

PUBLICACIONES 2012

1 "Aalto, S.; Garcia-Burillo, S.; Muller, S.; Winters, J. M.; van der Werf, P.; Henkel, C.; Costagliola, F.; Neri, R." Detection of HCN, HCO⁺, and HNC in the Mrk 231 molecular outflow Dense molecular gas in the AGN wind ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A44 DOI: 10.1051/0004-6361/201117919 Published: JAN 2012 IRAM: PdBI

2 "Abadie, J.; Abbott, B. P.; Abbott, R.; Abbott, T. D.; Abernathy, M.; Accadia, T.; Acernese, F.; Adams, C.; Adhikari, R.; Affeldt, C.; Agathos, M.; Ajith, P.; Allen, B.; Allen, G. S.; Ceron, E. Amador; Amariutei, D.; Amin, R. S.; Anderson, S. B.; Anderson," Implementation and testing of the first prompt search for gravitational wave transients with electromagnetic counterparts ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A124 DOI: 10.1051/0004-6361/201118219 Published: MAR 2012 ORM: LT

3 "Abadie, J; Abbott, BP; Abbott, R; Abbott, TD; Abernathy, M; Accadia, T; Acernese, F; Adams, C; Adhikari, R; Affeldt, C; Agathos, M; Agatsuma, K; Ajith, P; Allen, B; Ceron, EA; Amariutei, D; Anderson, SB; Anderson, WG; Arai, K; Arain, MA; Araya, MC; Aston," First low-latency LIGO plus Virgo search for binary inspirals and their electromagnetic counterparts ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A155 DOI: 10.1051/0004-6361/201218860 Published: MAY 2012 ORM: LT

4 "Abadie, J; Abbott, BP; Abbott, R; Abbott, TD; Abernathy, M; Accadia, T; Acernese, F; Adams, C; Adhikari, RX; Affeldt, C; Agathos, M; Agatsuma, K; Ajith, P; Allen, B; Ceron, EA; Amariutei, D; Anderson, SB; Anderson, WG; Arai, K; Arain, MA; Araya, MC; Aston" SEARCH FOR GRAVITATIONAL WAVES ASSOCIATED WITH GAMMA-RAY BURSTS DURING LIGO SCIENCE RUN 6 AND VIRGO SCIENCE RUNS 2 AND 3 ASTROPHYSICAL JOURNAL Volume: 760 Issue: 1 Article Number: 12 DOI: 10.1088/0004-637X/760/1/12 Published: NOV 20 2012 ESA: INTEGRAL

5 "Abramowski, A.; Acero, F.; Aharonian, F.; Akhperjanian, A. G.; Anton, G.; Balzer, A.; Barnacka, A.; de Almeida, U. Barres; Becherini, Y.; Becker, J.; Behera, B.; Bernloehr, K.; Birsin, E.; Biteau, J.; Bochow, A.; Boisson, C.; Bolmont, J.; Bordas, P.; Bruc" THE 2010 VERY HIGH ENERGY gamma-RAY FLARE AND 10 YEARS OF MULTI-WAVELENGTH OBSERVATIONS OF M 87 ASTROPHYSICAL JOURNAL Volume: 746 Issue: 2 Article Number: 151 DOI: 10.1088/0004-637X/746/2/151 Published: FEB 20 2012 CAY(EVN); ORM: MAGIC, LT; ESA: Hubble"

6 "Acke, B.; Min, M.; Dominik, C.; Vandenbussche, B.; Sibthorpe, B.; Waelkens, C.; Olofsson, G.; Degroote, P.; Smolders, K.; Pantin, E.; Barlow, M. J.; Blommaert, J. A. D. L.; Brandeker, A.; De Meester, W.; Dent, W. R. F.; Exter, K.; Di Francesco, J.; Fridlu" Herschel images of Fomalhaut An extrasolar Kuiper belt at the height of its dynamical activity ASTRONOMY & ASTROPHYSICS Volume: 540 Article Number: A125 DOI: 10.1051/0004-6361/201118581 Published: APR 2012 ESA: Herschel/PACS/SPIRE

7 "Ackermann, M.; Ajello, M.; Allafort, A.; Baldini, L.; Ballet, J.; Barbiellini, G.; Bastieri, D.; Bechtol, K.; Bellazzini, R.; Berenji, B.; Bloom, E. D.; Bonamente, E.; Borgland, A. W.; Bregeon, J.; Brigida, M.; Bruel, P.; Buehler, R.; Buson, S.; Caliandro" SEARCH FOR GAMMA-RAY EMISSION FROM X-RAY-SELECTED SEYFERT GALAXIES WITH FERMI-LAT ASTROPHYSICAL JOURNAL Volume: 747 Issue: 2 Article Number: 104 DOI: 10.1088/0004-637X/747/2/104 Published: MAR 10 2012
ESA: AKARI

8 "Ackermann, M.; Ajello, M.; Allafort, A.; Schady, P.; Baldini, L.; Ballet, J.; Barbiellini, G.; Bastieri, D.; Bellazzini, R.; Blandford, RD; Bloom, ED; Borgland, AW; Bottacini, E; Bouvier, A; Bregeon, J; Brigida, M; Bruel, P; Buehler, R; Buson, S; Caliandro, GA; Ca" The Imprint of the Extragalactic Background Light in the Gamma-Ray Spectra of Blazars SCIENCE Volume: 338 Issue: 6111 Pages: 1190-1192 DOI: 10.1126/science.1227160 Published: NOV 30 2012
ESO (La Silla): MPG 2.2m/GROND

9 "Ackermann, M.; Ajello, M.; Ballet, J.; Barbiellini, G.; Bastieri, D.; Bellazzini, R.; Blandford, RD; Bloom, ED; Bonamente, E; Borgland, AW; Bottacini, E; Bregeon, J; Brigida, M; Bruel, P; Buehler, R; Buson, S; Caliandro, GA; Cameron, RA; Caraveo, PA; Casandjian" MULTI-WAVELENGTH OBSERVATIONS OF BLAZAR AO 0235+164 IN THE 2008-2009 FLARING STATE ASTROPHYSICAL JOURNAL Volume: 751 Issue: 2 Article Number: 159 DOI: 10.1088/0004-637X/751/2/159 Published: JUN 1 2012
IRAM: PdBI, 30m; CAHA: 2.2m; ORM: KVA"

10 "Adams, Joseph D.; Herter, Terry L.; Osorio, Mayra; Macias, Enrique; Megeath, S. Thomas; Fischer, William J.; Ali, Babar; Calvet, Nuria; D'Alessio, Paola; De Buizer, James M.; Gull, George E.; Henderson, Charles P.; Keller, Luke D.; Morris, Mark R.; Remmin" FIRST SCIENCE OBSERVATIONS WITH SOFIA/FORCAST: PROPERTIES OF INTERMEDIATE-LUMINOSITY PROTOSTARS AND CIRCUMSTELLAR DISKS IN OMC-2 ASTROPHYSICAL JOURNAL LETTERS Volume: 749 Issue: 2 Article Number: L24 DOI: 10.1088/2041-8205/749/2/L24 Published: APR 20 2012
ESO: APEX; ESA: Herschel"

11 "Adibekyan, VZ; Mena, ED; Sousa, SG; Santos, NC; Israelian, G; Hernandez, JIG; Mayor, M; Hakobyan, AA" Exploring the alpha-enhancement of metal-poor planet-hosting stars. The Kepler and HARPS samples ASTRONOMY & ASTROPHYSICS Volume: 547 Article Number: A36 DOI: 10.1051/0004-6361/201220167 Published: NOV 2012
ESO (La Silla): 3.6m/HARPS

12 "Adibekyan, VZ; Santos, NC; Sousa, SG; Israelian, G; Mena, ED; Hernandez, JIG; Mayor, M; Lovis, C; Udry, S" Overabundance of alpha-elements in exoplanet-hosting stars ASTRONOMY & ASTROPHYSICS Volume: 543 Article Number: A89 DOI: 10.1051/0004-6361/201219564 Published: JUL 2012
ESO (La Silla). 3.6m/HARPS

13 "Adibekyan, VZ; Sousa, SG; Santos, NC; Mena, ED; Hernandez, JIG; Israelian, G; Mayor, M; Khachatryan, G" Chemical abundances of 1111 FGK stars from the HARPS GTO planet search program ASTRONOMY & ASTROPHYSICS Volume: 545 Article Number: A32 DOI: 10.1051/0004-6361/201219401 Published: SEP 2012
ESO (La Silla): 3.6m/HARPS

14 "Aghanim, N; Collaboration, P; Arnaud, M; Ashdown, M; Atrio-Barandela, F; Aumont, J; Baccigalupi, C; Balbi, A; Banday, AJ; Barreiro, RB; Bartlett, JG; Battaner, E; Benabed, K; Bernard, JP; Bersanelli, M; Bohringer, H; Bonaldi, A; Bond, JR; Borrill, J; Bouc" Planck intermediate results I. Further validation of new Planck clusters with XMM-Newton ASTRONOMY & ASTROPHYSICS Volume: 543 Article Number: A102 DOI: 10.1051/0004-6361/201118731 Published: JUL 2012
ESA: XMM-Newton, Planck; ESO (La Silla): MPG 2.2m; OT: IAC-80

15 "Agudo, I; Thum, C; Wiesemeyer, H; Molina, SN; Casadio, C; Gomez, JL; Emmanoulopoulos, D" 3C 286: a bright, compact, stable, and highly polarized calibrator for millimeter-wavelength observations ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A111 DOI: 10.1051/0004-6361/201218801 Published: MAY 2012
IAA-CSIC
IRAM: 30m

16 "Agueda, N; Lario, D; Ontiveros, V; Kilpua, E; Sanahuja, B; Vainio, R" Multi-spacecraft Study of the 8 November 2000 SEP Event: Electron Injection Histories 100 degrees Apart SOLAR PHYSICS Volume: 281 Issue: 1 Pages: 319-331 DOI: 10.1007/s11207-012-9959-y Published: NOV 2012
UB
ESA: Ulysses

17 "Aguirre, VS; Casagrande, L; Basu, S; Campante, TL; Chaplin, WJ; Huber, D; Miglio, A; Serenelli, AM; Ballot, J; Bedding, TR; Christensen-Dalsgaard, J; Creevey, OL; Elsworth, Y; Garcia, RA; Gilliland, RL; Hekker, S; Kjeldsen, H; Mathur, S; Metcalfe, TS; Mon" VERIFYING ASTEROSEISMICALLY DETERMINED PARAMETERS OF KEPLER STARS USING HIPPARCOS PARALLAXES: SELF-CONSISTENT STELLAR PROPERTIES AND DISTANCES ASTROPHYSICAL JOURNAL Volume: 757 Issue: 1 Article Number: 99 DOI: 10.1088/0004-637X/757/1/99 Published: SEP 20 2012
ESA: Hipparcos

18 "Agundez, M; Fonfria, JP; Cernicharo, J; Kahane, C; Daniel, F; Guelin, M" Molecular abundances in the inner layers of IRC+10216 ASTRONOMY & ASTROPHYSICS Volume: 543 Article Number: A48 DOI: 10.1051/0004-6361/201218963 Published: JUL 2012
CAB (INTA-CSIC)
IRAM: 30m

19 "Alegria, SR; Marin-Franch, A; Herrero, A" Discovery of a young and massive stellar cluster Spectrophotometric near-infrared study of Masgomas-1 ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A75 DOI: 10.1051/0004-6361/201118273 Published: MAY 2012
IAC; Unv La Laguna

ORM: WHT/LIRIS

20 "Aleksic, J.; Alvarez, E. A.; Antonelli, L. A.; Antoranz, P.; Asensio, M.; Backes, M.; Barrio, J. A.; Bastieri, D.; Becerra Gonzalez, J.; Bednarek, W.; Berdyugin, A.; Berger, K.; Bernardini, E.; Biland, A.; Blanch, O.; Bock, R. K.; Boller, A.; Bonnoli, G.;" DETECTION OF THE gamma-RAY BINARY LS I+61 degrees 303 IN A LOW-FLUX STATE AT VERY HIGH ENERGY gamma-RAYS WITH THE MAGIC TELESCOPES IN 2009 ASTROPHYSICAL JOURNAL Volume: 746 Issue: 1 Article Number: 80 DOI: 10.1088/0004-637X/746/1/80 Published: FEB 10 2012

IFAE

ORM: MAGIC

21 "Aleksic, J.; Alvarez, E. A.; Antonelli, L. A.; Antoranz, P.; Asensio, M.; Backes, M.; Barrio, J. A.; Bastieri, D.; Becerra Gonzalez, J.; Bednarek, W.; Berdyugin, A.; Berger, K.; Bernardini, E.; Biland, A.; Blanch, O.; Bock, R. K.; Boller, A.; Bonnoli, G.;" Phase-resolved energy spectra of the Crab pulsar in the range of 50-400 GeV measured with the MAGIC telescopes ASTRONOMY & ASTROPHYSICS Volume: 540 Article Number: A69 DOI: 10.1051/0004-6361/201118166 Published: APR 2012

IFAE

ORM: MAGIC

22 "Aleksic, J.; Alvarez, E. A.; Antonelli, L. A.; Antoranz, P.; Asensio, M.; Backes, M.; Barrio, J. A.; Bastieri, D.; Becerra Gonzalez, J.; Bednarek, W.; Berdyugin, A.; Berger, K.; Bernardini, E.; Biland, A.; Blanch, O.; Bock, R. K.; Boller, A.; Bonnoli, G.;" Discovery of VHE gamma-ray emission from the BL Lacertae object B3 2247+381 with the MAGIC telescopes ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A118 DOI: 10.1051/0004-6361/201117967 Published: MAR 2012

IFAE

ORM: MAGIC, KVA

23 "Aleksic, J.; Alvarez, E. A.; Antonelli, L. A.; Antoranz, P.; Asensio, M.; Backes, M.; Barrio, J. A.; Bastieri, D.; Becerra Gonzalez, J.; Bednarek, W.; Berdyugin, A.; Berger, K.; Bernardini, E.; Biland, A.; Blanch, O.; Bock, R. K.; Boller, A.; Bonnoli, G.;" PG 1553+113: FIVE YEARS OF OBSERVATIONS WITH MAGIC ASTROPHYSICAL JOURNAL Volume: 748 Issue: 1 Article Number: 46 DOI: 10.1088/0004-637X/748/1/46 Published: MAR 20 2012

IFAE

ORM: MAGIC

24 "Aleksic, J.; Alvarez, E. A.; Antonelli, L. A.; Antoranz, P.; Asensio, M.; Backes, M.; de Almeida, U. Barres; Barrio, J. A.; Bastieri, D.; Becerra Gonzalez, J.; Bednarek, W.; Berger, K.; Bernardini, E.; Biland, A.; Blanch, O.; Bock, R. K.; Boller, A.; Bonn" Detection of very-high energy gamma-ray emission from NGC 1275 by the MAGIC telescopes ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: L2 DOI: 10.1051/0004-6361/201118668 Published: MAR 2012

IFAE

ORM: MAGIC

25 "Aleksic, J; Alvarez, EA; Antonelli, LA; Antoranz, P; Ansoldi, S; Asensio, M; Backes, M; de Almeida, UB; Barrio, JA; Bastieri, D; Gonzalez, JB; Bednarek, W; Berger, K; Bernardini, E; Biland, A; Blanch, O; Bock, RK; Boller, A; Bonnoli, G; Tridon, DB; Bretz," Discovery of VHE gamma-rays from the blazar 1ES 1215+303 with the MAGIC telescopes and simultaneous multi-wavelength observations ASTRONOMY & ASTROPHYSICS Volume: 544 Article Number: A142 DOI: 10.1051/0004-6361/201219133 Published: AUG 2012

IFAE

ORM: MAGIC; KVA

26 "Aleksic, J; Alvarez, EA; Antonelli, LA; Antoranz, P; Asensio, M; Backes, M; Barrio, JA; Bastieri, D; Gonzalez, JB; Bednarek, W; Berdyugin, A; Berger, K; Bernardini, E; Biland, A; Blanch, O; Bock, RK; Boller, A; Bonnoli, G; Tridon, DB; Braun, I; Bretz, T;" MAGIC observations of the giant radio galaxy M 87 in a low-emission state between 2005 and 2007 ASTRONOMY & ASTROPHYSICS Volume: 544 Article Number: A96 DOI: 10.1051/0004-6361/201117827 Published: AUG 2012

IFAEORM: MAGIC

27 "Aleksic, J; Alvarez, EA; Antonelli, LA; Antoranz, P; Asensio, M; Backes, M; Barrio, JA; Bastieri, D; Gonzalez, JB; Bednarek, W; Berdyugin, A; Berger, K; Bernardini, E; Biland, A; Blanch, O; Bock, RK; Boller, A; Bonnoli, G; Tridon, DB; Braun, I; Bretz, T;" Mrk 421 active state in 2008: the MAGIC view, simultaneous multi-wavelength observations and SSC model constrained ASTRONOMY & ASTROPHYSICS Volume: 542 Article Number: A100 DOI: 10.1051/0004-6361/201117442 Published: JUN 2012

IFAE

ORM: MAGIC

28 "Aleksic, J; Alvarez, EA; Antonelli, LA; Antoranz, P; Asensio, M; Backes, M; de Almeida, UB; Barrio, JA; Bastieri, D; Gonzalez, JB; Bednarek, W; Berdyugin, A; Berger, K; Bernardini, E; Biland, A; Blanch, O; Bock, RK; Boller, A; Bonnoli, G; Tridon, DB; Brau" High zenith angle observations of PKS 2155-304 with the MAGIC-I telescope ASTRONOMY & ASTROPHYSICS Volume: 544 Article Number: A75 DOI: 10.1051/0004-6361/201218796 Published: AUG 2012

IFAE

ORM: MAGIC

29 "Aleksic, J; Alvarez, EA; Antonelli, LA; Antoranz, P; Asensio, M; Backes, M; de Almeida, UB; Barrio, JA; Bastieri, D; Gonzalez, JB; Bednarek, W; Berdyugin, A; Berger, K; Bernardini, E; Biland, A; Blanch, O; Bock, RK; Boller, A; Bonnoli, G; Tridon, DB; Brau" Constraining cosmic rays and magnetic fields in the Perseus galaxy cluster with TeV observations by the MAGIC telescopes ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A13 DOI: 10.1051/0004-6361/201218846 Published: MAY 2012

IFAE

ORM: MAGIC

30 "Aleksic, J; Alvarez, EA; Antonelli, LA; Antoranz, P; Asensio, M; Backes, M; de Almeida, UB; Barrio, JA; Bastieri, D; Gonzalez, JB; Bednarek, W; Berger, K; Bernardini, E; Biland, A; Blanch, O; Bock, RK; Boller, A; Bonnoli, G; Tridon, DB; Bosch-Ramon, V; Br" DETECTION OF

VHE gamma-RAYS FROM HESS J0632+057 DURING THE 2011 FEBRUARY X-RAY
OUTBURST WITH THE MAGIC TELESCOPES ASTROPHYSICAL JOURNAL LETTERS
Volume: 754 Issue: 1 Article Number: L10 DOI: 10.1088/2041-8205/754/1/L10 Published:
JUL 20 2012

IFAE

ORM: MAGIC

31 "Aleksic, J; Alvarez, EA; Antonelli, LA; Antoranz, P; Asensio, M; Backes, M; de Almeida,
UB; Barrio, JA; Bastieri, D; Gonzalez, JB; Bednarek, W; Berger, K; Bernardini, E; Biland, A;
Blanch, O; Bock, RK; Boller, A; Bonnoli, G; Tridon, DB; Bretz, T; Canellas" Morphological
and spectral properties of the W51 region measured with the MAGIC telescopes ASTRONOMY &
ASTROPHYSICS Volume: 541 Article Number: A99 DOI: 10.1051/0004-6361/201118502
Published: MAY 2012

IFAE

ORM: MAGIC

32 "Alfonso-Garzon, J; Domingo, A; Mas-Hesse, JM; Gimenez, A" The first INTEGRAL-
OMC catalogue of optically variable sources ASTRONOMY & ASTROPHYSICS Volume:
548 Article Number: A79 DOI: 10.1051/0004-6361/201220095 Published: DEC 2012

ESAC

ESA: INTEGRAL/OMC

33 "Almenara, J. M.; Alonso, R.; Rabus, M.; Lazaro, C.; Arevalo, M. J.; Belmonte, J. A.; Deeg,
H. J.; Brown, T. M.; Vazquez Ramio, H." An eclipsing post-common-envelope binary in the field
of the Kepler mission MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY
Volume: 420 Issue: 4 Pages: 3017-3025 DOI: 10.1111/j.1365-2966.2011.20175.x Published:
MAR 2012

IAC; Unv La Laguna

ORM: WHT/ISIS, INT, NOT,TNG/DOLORES

34 "Alonso-Herrero, A; Rosales-Ortega, FF; Sanchez, SF; Kennicutt, RC; Pereira-Santaella,
M; Diaz, AI" The NGC 7771+NGC 7770 minor merger: harassing the little one?
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 425
Issue: 1 Pages: L46-L50 DOI: 10.1111/j.1745-3933.2012.01297.x Published: SEP 2012

IFCA (CSIC-UC)

CAHA: 3.5m; ORM: NOT

35 "Alonso-Herrero, A; Sanchez-Portal, M; Almeida, CR; Pereira-Santaella, M; Esquej, P;
Garcia-Burillo, S; Castillo, M; Gonzalez-Martin, O; Levenson, N; Hatziminaoglou, E; Acosta-
Pulido, JA; Gonzalez-Serrano, JI; Povic, M; Packham, C; Perez-Garcia, AM" Probing the
nuclear and circumnuclear activity of NGC 1365 in the infrared MONTHLY NOTICES OF THE
ROYAL ASTRONOMICAL SOCIETY Volume: 425 Issue: 1 Pages: 311-324 DOI:
10.1111/j.1365-2966.2012.21464.x Published: SEP 2012

IFCA (CSIC-UC)

ESA: Herschel

- 36 "Alves, J; Bouy, H" Orion revisited I. The massive cluster in front of the Orion nebula cluster ASTRONOMY & ASTROPHYSICS Volume: 547 Article Number: A97 DOI: 10.1051/0004-6361/201220119 Published: NOV 2012
CAHA: 1.23m; ESA: XMM-Newton
- 37 "Amara, A; Lilly, S; Kovac, K; Rhodes, J; Massey, R; Zamorani, G; Carollo, CM; Contini, T; Kneib, JP; Le Fevre, O; Mainieri, V; Renzini, A; Scodreggio, M; Bardelli, S; Bolzonella, M; Bongiorno, A; Caputi, K; Cucciati, O; de la Torre, S; de Ravel, L; Franzet" The COSMOS density field: a reconstruction using both weak lensing and galaxy distributions MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 424 Issue: 1 Pages: 553-563 DOI: 10.1111/j.1365-2966.2012.21231.x Published: JUL 2012
ESA: Hubble (COSMOS); ESO (Paranal): VLT/VIMOS (zCOSMOS)
- 38 "Amorin, R.; Perez-Montero, E.; Vilchez, J. M.; Papaderos, P." THE STAR FORMATION HISTORY AND METAL CONTENT OF THE GREEN PEAS. NEW DETAILED GTC-OSIRIS SPECTROPHOTOMETRY OF THREE GALAXIES ASTROPHYSICAL JOURNAL Volume: 749 Issue: 2 Article Number: 185 DOI: 10.1088/0004-637X/749/2/185 Published: APR 2012
IAA-CSIC
GTC/OSIRIS; ESA: Hubble/WFPC2
- 39 "Amorin, R; Vilchez, JM; Hagele, GF; Firpo, V; Perez-Montero, E; Papaderos, P" COMPLEX GAS KINEMATICS IN COMPACT, RAPIDLY ASSEMBLING STAR-FORMING GALAXIES ASTROPHYSICAL JOURNAL LETTERS Volume: 754 Issue: 2 Article Number: L22 DOI: 10.1088/2041-8205/754/2/L22 Published: AUG 1 2012
IAA-CSIC
ORM: WHT/ISIS; ESA: Hubble/ACS
- 40 "Anderson, GE; Gaensler, BM; Slane, PO; Rea, N; Kaplan, DL; Posselt, B; Levin, L; Johnston, S; Murray, SS; Brogan, CL; Bailes, M; Bates, S; Benjamin, RA; Bhat, NDR; Burgay, M; Burke-Spolaor, S; Chakrabarty, D; D'Amico, N; Drake, JJ; Esposito, P; Grindlay, " MULTI-WAVELENGTH OBSERVATIONS OF THE RADIO MAGNETAR PSR J1622-4950 AND DISCOVERY OF ITS POSSIBLY ASSOCIATED SUPERNOVA REMNANT ASTROPHYSICAL JOURNAL Volume: 751 Issue: 1 Article Number: 53 DOI: 10.1088/0004-637X/751/1/53 Published: MAY 20 2012
ESA: XMM-Newton
- 41 "Anderson, L. D.; Zavagno, A.; Barlow, M. J.; Garcia-Lario, P.; Noriega-Crespo, A." Distinguishing between HII regions and planetary nebulae with Hi-GAL, WISE, MIPS GAL, and GLIMPSE ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A1 DOI: 10.1051/0004-6361/201117640 Published: JAN 2012
ESA: Herschel/PACS/SPIRE
- 42 "Apellaniz, JM; Rubio, M" Ultraviolet extinction toward a quiescent molecular cloud in the Small Magellanic Cloud ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A54 DOI: 10.1051/0004-6361/201118712 Published: MAY 2012
IAA-CSIC

ESA: Hubble; ESO (Paranal): VLT/ISAAC

43 "Ariste, AL; Leblanc, F; Casini, R; Sainz, RM; Gelly, B; Le Men, C" Resonance scattering polarization in the magnetosphere of Mercury ICARUS Volume: 220 Issue: 2 Pages: 1104-1111 DOI: 10.1016/j.icarus.2012.07.001 Published: AUG 2012
OT: THEMIS

44 "Arregui, Inigo; Oliver, Ramon; Luis Ballester, Jose" Prominence Oscillations LIVING REVIEWS IN SOLAR PHYSICS Volume: 9 Issue: 2 Article Number: 2 Published: 2012
UIB
ORM: SST, DOT; OT: VTT

45 "Arribas, S; Colina, L; Alonso-Herrero, A; Rosales-Ortega, FF; Monreal-Ibero, A; Garcia-Marin, M; Garcia-Burillo, S; Rodriguez-Zaurin, J" Integral field spectroscopy based H alpha sizes of local luminous and ultraluminous infrared galaxies A direct comparison with high-z massive star-forming galaxies ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A20 DOI: 10.1051/0004-6361/201118007 Published: MAY 2012
CAB (INTA-CSIC)
ORM: WHT/INTEGRAL; ESO (Paranal): VLT/VIMOS

46 "Asensio Ramos, A.; Manso Sainz, R.; Martinez Gonzalez, M. J.; Viticchie, B.; Suarez, D. Orozco; Socas-Navarro, H." MODEL SELECTION FOR SPECTROPOLARIMETRIC INVERSIONS ASTROPHYSICAL JOURNAL Volume: 748 Issue: 2 Article Number: 83 DOI: 10.1088/0004-637X/748/2/83 Published: APR 1 2012
ESA: Hinode

47 "Aungwerojwit, A; Gansicke, BT; Wheatley, PJ; Pyrzas, S; Staels, B; Krajci, T; Rodriguez-Gil, P" IPHAS J062746.41+014811.3: A DEEPLY ECLIPSING INTERMEDIATE POLAR ASTROPHYSICAL JOURNAL Volume: 758 Issue: 2 Article Number: 79 DOI: 10.1088/0004-637X/758/2/79 Published: OCT 20 2012
ORM: Mercator

48 "Bachelet, E; Fouque, P; Han, C; Gould, A; Albrow, MD; Beaulieu, JP; Bertin, E; Bond, IA; Christie, GW; Heyrovsky, D; Horne, K; Jorgensen, UG; Maoz, D; Mathiasen, M; Matsunaga, N; McCormick, J; Menzies, J; Nataf, D; Natusch, T; Oi, N; Renon, N; Tsapras, Y;" A brown dwarf orbiting an M-dwarf: MOA 2009-BLG-4111 ASTRONOMY & ASTROPHYSICS Volume: 547 Article Number: A55 DOI: 10.1051/0004-6361/201219765 Published: NOV 2012
OT: IAC80; ORM: LT

49 "Bachelet, E; Shin, IG; Han, C; Fouque, P; Gould, A; Menzies, JW; Beaulieu, JP; Bennett, DP; Bond, IA; Dong, S; Heyrovsky, D; Marquette, JB; Marshall, J; Skowron, J; Street, RA; Sumi, T; Udalski, A; Abe, L; Agabi, K; Albrow, MD; Allen, W; Bertin, E; Bos, M" MOA 2010-BLG-477Lb: CONSTRAINING THE MASS OF A MICROLENSING PLANET FROM MICROLENSING PARALLAX, ORBITAL MOTION, AND DETECTION OF BLENDED LIGHT ASTROPHYSICAL JOURNAL Volume: 754 Issue: 1 Article Number: 73 DOI: 10.1088/0004-637X/754/1/73 Published: JUL 20 2012

OT: IAC80; ORM: LT

50 "Balick, Bruce; Gomez, Thomas; Vinkovic, Dejan; Alcolea, Javier; Corradi, Romano L. M.; Frank, Adam" THE ILLUMINATION AND GROWTH OF CRL 2688: AN ANALYSIS OF NEW AND ARCHIVAL HUBBLE SPACE TELESCOPE OBSERVATIONS ASTROPHYSICAL JOURNAL Volume: 745 Issue: 2 Article Number: 188 DOI: 10.1088/0004-637X/745/2/188 Published: FEB 1 2012
ESA: Hubble/WFC3

51 "Ballo, L; Heras, FJH; Barcons, X; Carrera, FJ" Exploring X-ray and radio emission of type 1 AGN up to z similar to 2.3 ASTRONOMY & ASTROPHYSICS Volume: 545 Article Number: A66 DOI: 10.1051/0004-6361/201117464 Published: SEP 2012
IFCA (CSIC-UC)
ESA: XMM-Newton

52 "Balona, LA; Breger, M; Catanzaro, G; Cunha, MS; Handler, G; Kolaczowski, Z; Kurtz, DW; Murphy, S; Niemczura, E; Paparo, M; Smalley, B; Szabo, R; Uytterhoeven, K; Christiansen, JL; Uddin, K; Stumpe, MC" Unusual high-frequency oscillations in the Kepler delta Scuti star KIC 4840675 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY
ORM: NOT

53 "Barros, S. C. C.; Pollacco, D. L.; Gibson, N. P.; Keenan, F. P.; Skillen, I.; Steele, I. A." High-precision transit observations of the exoplanet WASP-13b with the RISE instrument MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 419 Issue: 2 Pages: 1248-1253 DOI: 10.1111/j.1365-2966.2011.19784.x Published: JAN 2012
ORM: LT/RISE

54 "Bayo, A; Barrado, D; Huelamo, N; Morales-Calderon, M; Melo, C; Stauffer, J; Stelzer, B" Spectroscopy of very low-mass stars and brown dwarfs in the Lambda Orionis star-forming region II. Rotation, activity and other properties of spectroscopically confirmed members of Collinder 69 ASTRONOMY & ASTROPHYSICS Volume: 547 Article Number: A80 DOI: 10.1051/0004-6361/201219374 Published: NOV 2012
ESO (Paranal): VLT/FLAMES; CAHA: 3.5m /TWIN

55 "Beardmore, AP; Osborne, JP; Page, KL; Hakala, PJ; Schwarz, GJ; Rauch, T; Balman, S; Evans, PA; Goad, MR; Ness, JU; Starrfield, S; Wagner, RM" The outburst of Nova CSS 081007:030559+054715 (HV Ceti) ASTRONOMY & ASTROPHYSICS Volume: 545 Article Number: A116 DOI: 10.1051/0004-6361/201219681 Published: SEP 2012 NO
ORM: NOT

56 "Beck, C; Rezaei, R; Puschmann, KG" The energy of waves in the photosphere and lower chromosphere II. Intensity statistics ASTRONOMY & ASTROPHYSICS Volume: 544 Article Number: A46 DOI: 10.1051/0004-6361/201219242 Published: AUG 2012
IAC; Unv La Laguna
OT: VTT/POLIS

- 57 "Beirao, P; Armus, L; Helou, G; Appleton, PN; Smith, JD; Croxall, KV; Murphy, EJ; Dale, DA; Draine, BT; Wolfire, MG; Sandstrom, KM; Aniano, G; Bolatto, AD; Groves, B; Brandl, BR; Schinnerer, E; Crocker, AF; Hinz, JL; Rix, HW; Kennicutt, RC; Calzetti, D; d" A STUDY OF HEATING AND COOLING OF THE ISM IN NGC 1097 WITH HERSCHEL-PACS AND SPITZER-IRSA
ASTROPHYSICAL JOURNAL Volume: 751 Issue: 2 Article Number: 144
DOI: 10.1088/0004-637X/751/2/144 Published: JUN 1 2012
ESA: Herschel/PACS
- 58 "Bell, EF; van der Wel, A; Papovich, C; Kocevski, D; Lotz, J; McIntosh, DH; Kartaltepe, J; Faber, SM; Ferguson, H; Koekemoer, A; Grogin, N; Wuyts, S; Cheung, E; Conselice, CJ; Dekel, A; Dunlop, JS; Giavalisco, M; Herrington, J; Koo, DC; McGrath, EJ; de Mel" WHAT TURNS GALAXIES OFF? THE DIFFERENT MORPHOLOGIES OF STAR-FORMING AND QUIESCENT GALAXIES SINCE z similar to 2 FROM CANDELS
ASTROPHYSICAL JOURNAL Volume: 753 Issue: 2 Article Number: 167 DOI: 10.1088/0004-637X/753/2/167 Published: JUL 10 2012
ESA: Hubble/WFC3
- 59 "Bellocchi, E; Arribas, S; Colina, L" "Studying the kinematic asymmetries of disks and post-coalescence mergers using a new "kinemetry" criterion"
ASTRONOMY & ASTROPHYSICS Volume: 542 Article Number: A54 DOI: 10.1051/0004-6361/201117894
Published: JUN 2012
CAB (INTA-CSIC)
ESO (Paranal): VLT/VIMOS
- 60 "Beltran, MT; Massi, F; Fontani, F; Codella, C; Lopez, R" Close encounters of the protostellar kind in IC 1396N
ASTRONOMY & ASTROPHYSICS Volume: 542
Article Number: L26 DOI: 10.1051/0004-6361/201219166 Published: JUN 2012
IRAM: PdBI
- 61 "Benedettini, M.; Busquet, G.; Lefloch, B.; Codella, C.; Cabrit, S.; Ceccarelli, C.; Giannini, T.; Nisini, B.; Vasta, M.; Cernicharo, J.; Lorenzani, A.; Di Giorgio, A. M." The CHESSE survey of the L1157-B1 shock: the dissociative jet shock as revealed by Herschel-PACS
ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: L3 DOI: 10.1051/0004-6361/201118732
Published: MAR 2012
ESA: Herschel/PACS
- 62 "Bernard, Edouard J.; Ferguson, Annette M. N.; Barker, Michael K.; Hidalgo, Sebastian L.; Ibat, Rodrigo A.; Irwin, Michael J.; Lewis, Geraint F.; McConnachie, Alan W.; Monelli, Matteo; Chapman, Scott C." The star formation history and dust content in the far outer disc of M31
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 420
Issue: 3 Pages: 2625-2643 DOI: 10.1111/j.1365-2966.2011.20234.x Published: MAR 2012
ESA: Hubble/ACS
- 63 "Bertini, I; Barbieri, C; Ho, TM; Lazzarin, M; Cremonese, G; Kuppens, M; Magrin, S; Marchi, S" Photometric observations of comet 81P/Wild 2 during the 2010 perihelion passage
ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A159 DOI: 10.1051/0004-6361/201118004
Published: MAY 2012
ORM: NOT/ALFOSC; OT: IAC-80

64 "Bertini, I; Sabolo, W; Gutierrez, PJ; Marzari, F; Snodgrass, C; Tubiana, C; Moissl, R; Pajola, M; Lowry, SC; Barbieri, C; Ferri, F; Davidsson, B; Sierks, H" Search for satellites near (21) Lutetia using OSIRIS/Rosetta images PLANETARY AND SPACE SCIENCE Volume: 66 Issue: 1 Special Issue: SI Pages: 64-70 DOI: 10.1016/j.pss.2011.12.022 Published: JUN 2012

ESA: Rosetta/OSIRIS

65 "Bethermin, M; Le Floch, E; Ilbert, O; Conley, A; Lagache, G; Amblard, A; Arumugam, V; Aussel, H; Berta, S; Bock, J; Boselli, A; Buat, V; Casey, CM; Castro-Rodriguez, N; Cava, A; Clements, DL; Cooray, A; Dowell, CD; Eales, S; Farrah, D; Franceschini, A; G" HerMES: deep number counts at 250 μ m, 350 μ m and 500 μ m in the COSMOS and GOODS-N fields and the build-up of the cosmic infrared background ASTRONOMY & ASTROPHYSICS Volume: 542 Article Number: A58 DOI: 10.1051/0004-6361/201118698 Published: JUN 2012

ESA: Herschel

66 "Bethge, C.; Beck, C.; Peter, H.; Lagg, A." Siphon flow in a cool magnetic loop ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A130 DOI: 10.1051/0004-6361/201118333 Published: JAN 2012

OT: VTT, ChroTel

67 "Bianchi, S; Panessa, F; Barcons, X; Carrera, FJ; La Franca, F; Matt, G; Onori, F; Wolter, A; Corral, A; Monaco, L; Ruiz, A; Brightman, M" Simultaneous X-ray and optical observations of true type 2 Seyfert galaxies MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 426 Issue: 4 Pages: 3225-3240 DOI: 10.1111/j.1365-2966.2012.21959.x Published: NOV 2012

ESA: XMM-Newton; CAHA: 2.2/CAFOS ;ESO (Paranal): VLT/FORS2; ESO (la Silla): NTT/EMMI; ORM: NOT/ALFOSC, TNG/NICS"

68 "Bilir, S.; Karaali, S.; Dagtekin, N. D.; Onal, O.; Ak, S.; Ak, T.; Cabrera-Lavers, A." Transformations from WISE to 2MASS, SDSS and BVI Photometric Systems: II. Transformation Equations for Red-Clump Stars PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF AUSTRALIA Volume: 29 Issue: 2 Pages: 121-131 DOI: 10.1071/AS11078 Published: 2012
ESA: Hipparcos

69 "Biller, B; Lacour, S; Juhasz, A; Benisty, M; Chauvin, G; Olofsson, J; Pott, JU; Muller, A; Sicilia-Aguilar, A; Bonnefoy, M; Tuthill, P; Thebault, P; Henning, T; Crida, A" A LIKELY CLOSE-IN LOW-MASS STELLAR COMPANION TO THE TRANSITIONAL DISK STAR HD 142527 ASTROPHYSICAL JOURNAL LETTERS Volume: 753 Issue: 2 Article Number: L38 DOI: 10.1088/2041-8205/753/2/L38 Published: JUL 10 2012
ESO (Paranal): VLT/NACO

70 "Billot, N; Morales-Calderon, M; Stauffer, JR; Megeath, ST; Whitney, B" HERSCHEL FAR-INFRARED PHOTOMETRIC MONITORING OF PROTOSTARS IN THE ORION NEBULA CLUSTER ASTROPHYSICAL JOURNAL LETTERS Volume: 753 Issue: 2 Article Number: L35 DOI: 10.1088/2041-8205/753/2/L35 Published: JUL 10 2012
ESA: Herschel/PACS

71 "Birkby, J; Nefs, B; Hodgkin, S; Kovacs, A; Sipocz, B; Pinfield, D; Snellen, I; Mislis, D; Murgas, F; Lodieu, N; de Mooij, E; Goulding, N; Cruz, P; Stoev, H; Cappetta, M; Palle, E; Barrado, D; Saglia, R; Martin, E; Pavlenko, Y" Discovery and characterization of detached M dwarf eclipsing binaries in the WFCAM Transit Survey MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 426 Issue: 2 Pages: 1507-1532 DOI: 10.1111/j.1365-2966.2012.21514.x Published: OCT 2012
ORM: INT/WFC, WHT/ISIS; OT: IAC80/CAMELOT

72 "Bisterzo, S.; Gallino, R.; Straniero, O.; Cristallo, S.; Kaeppler, F." The s-process in low-metallicity stars - III. Individual analysis of CEMP-s and CEMP-s/r with asymptotic giant branch models MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 422 Issue: 1 Pages: 849-884 DOI: 10.1111/j.1365-2966.2012.20670.x Published: MAY 2012
ESO (Paranal): VLT/UVES

73 "Biver, N.; Crovisier, J.; Bockelee-Morvan, D.; Szutowicz, S.; Lis, D. C.; Hartogh, P.; de Val-Borro, M.; Moreno, R.; Boissier, J.; Kidger, M.; Kuppers, M.; Paubert, G.; Dello Russo, N.; Vervack, R.; Weaver, H." Ammonia and other parent molecules in comet 10P/Tempel 2 from Herschel/HIFI and ground-based radio observations ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A68 DOI: 10.1051/0004-6361/201118447 Published: MAR 2012
ESA: Herschel/HIFI; IRAM: 30m

74 "Bjerkeli, P; Liseau, R; Larsson, B; Rydbeck, G; Nisini, B; Tafalla, M; Antonucci, S; Benedettini, M; Bergman, P; Cabrit, S; Giannini, T; Melnick, G; Neufeld, D; Santangelo, G; van Dishoeck, EF" H₂O line mapping at high spatial and spectral resolution Herschel observations of the VLA 1623 outflow ASTRONOMY & ASTROPHYSICS Volume: 546 Article Number: A29 DOI: 10.1051/0004-6361/201219776 Published: OCT 2012
ESA: Herschel/HIFI/PACS

75 "Bockelee-Morvan, D; Biver, N; Swinyard, B; de Val-Borro, M; Crovisier, J; Hartogh, P; Lis, DC; Moreno, R; Szutowicz, S; Lellouch, E; Emprechtinger, M; Blake, GA; Courtin, R; Jarchow, C; Kidger, M; Kuppers, M; Rengel, M; Davis, GR; Fulton, T; Naylor, D; Si" Herschel measurements of the D/H and O-16/O-18 ratios in water in the Oort-cloud comet C/2009 P1 (Garradd) ASTRONOMY & ASTROPHYSICS Volume: 544 Article Number: L15 DOI: 10.1051/0004-6361/201219744 Published: AUG 2012
ESA: Herschel/HIFI

76 "Boffin, HMJ; Miszalski, B; Rauch, T; Jones, D; Corradi, RLM; Napiwotzki, R; Day-Jones, AC; Koppen, J" An Interacting Binary System Powers Precessing Outflows of an Evolved Star SCIENCE Volume: 338 Issue: 6108 Pages: 773-775 DOI: 10.1126/science.1225386 Published: NOV 9 2012
ESO (Paranal): VLT/FORS2

77 "Bond, Nicholas A.; Benford, Dominic J.; Gardner, Jonathan P.; Amblard, Alexandre; Fleuren, Simone; Blain, Andrew W.; Dunne, Loretta; Smith, Daniel J. B.; Maddox, Steve J.; Hoyos, Carlos; Baes, Maarten; Bonfield, David; Bourne, Nathan; Bridge, Carrie; Butt" THE

INFRARED PROPERTIES OF SOURCES MATCHED IN THE WISE ALL-SKY AND
HERSCHEL ATLAS SURVEYS ASTROPHYSICAL JOURNAL LETTERS Volume: 750
Issue: 1 Article Number: L18 DOI: 10.1088/2041-8205/750/1/L18 Published: MAY 1 2012
ESA: Herschel

78 "Bondi, M.; Perez-Torres, M. A.; Herrero-Illana, R.; Alberdi, A." The nuclear starburst in
Arp 299-A: from the 5.0 GHz VLBI radio light-curves to its core-collapse supernova rate
ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A134 DOI:
10.1051/0004-6361/201118446 Published: MAR 2012
CAY: 40m (EVN)

79 "Bonet, J. A.; Cabello, I.; Sanchez Almeida, J." Center-to-limb variation of the area
covered by magnetic bright points in the quiet Sun ASTRONOMY & ASTROPHYSICS
Volume: 539 Article Number: A6 DOI: 10.1051/0004-6361/201118215 Published: MAR 2012
IAC; Unv La Laguna
ORM: SST

80 "Bonifacio, P; Sbordone, L; Caffau, E; Ludwig, HG; Spite, M; Hernandez, JIG; Behara,
NT" Chemical abundances of distant extremely metal-poor unevolved stars ASTRONOMY &
ASTROPHYSICS Volume: 542 Article Number: A87 DOI: 10.1051/0004-6361/201219004
Published: JUN 2012
ESO (Paranal): VLT/UVES

81 "Borguet, BCJ; Edmonds, D; Arav, N; Benn, C; Chamberlain, C" BAL PHOSPHORUS
ABUNDANCE AND EVIDENCE FOR IMMENSE IONIC COLUMN DENSITIES IN QUASAR
OUTFLOWS: VLT/X-SHOOTER OBSERVATIONS OF QUASAR SDSS J1512+1119
ASTROPHYSICAL JOURNAL Volume: 758 Issue: 1 Article Number: 69 DOI:
10.1088/0004-637X/758/1/69 Published: OCT 10 2012
ESO (Paranal): VLT/X-Shooter

82 "Boschin, W.; Girardi, M.; Barrena, R.; Nonino, M." Abell 1758N from an optical
point of view: new insights on a merging cluster with diffuse radio emission ASTRONOMY &
ASTROPHYSICS Volume: 540 Article Number: A43 DOI: 10.1051/0004-6361/201118076
Published: APR 2012
ORM: TNG

83 "Boschin, W; Girardi, M; Barrena, R" Structure of Abell 1995 from optical and X-ray
data: a galaxy cluster with an elongated radio halo ASTRONOMY & ASTROPHYSICS
Volume: 547 Article Number: A44 DOI: 10.1051/0004-6361/201219508 Published: NOV
2012
ORM: TNG/DOLORES, INT

84 "Bourne, N.; Maddox, S. J.; Dunne, L.; Auld, R.; Baes, M.; Baldry, I. K.; Bonfield, D. G.;
Cooray, A.; Croom, S. M.; Dariush, A.; de Zotti, G.; Driver, S. P.; Dye, S.; Eales, S.; Gomez, H. L.;
Gonzalez-Nuevo, J.; Hopkins, A. M.; Ibar, E.; Jarvis, M. J.; La" Herschel -ATLAS/GAMA: a
census of dust in optically selected galaxies from stacking at submillimetre wavelengths
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 421
Issue: 4 Pages: 3027-3059 DOI: 10.1111/j.1365-2966.2012.20528.x Published: APR 2012

ESA: Herschel; ESO (Paranal): VST, VISTA

85 "Bozza, V; Dominik, M; Rattenbury, NJ; Jorgensen, UG; Tsapras, Y; Bramich, DM; Udalski, A; Bond, IA; Liebig, C; Cassan, A; Fouque, P; Fukui, A; Hundertmark, M; Shin, IG; Lee, SH; Choi, JY; Park, SY; Gould, A; Allan, A; Mao, S; Wyrzykowski, L; Street, RA; B" OGLE-2008-BLG-510: first automated real-time detection of a weak microlensing anomaly - brown dwarf or stellar binary? MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 424 Issue: 2 Pages: 902-918 DOI: 10.1111/j.1365-2966.2012.21233.x Published: AUG 2012
ORM: LT

86 "Bradley, L. D.; Bouwens, R. J.; Zitrin, A.; Smit, R.; Coe, D.; Ford, H. C.; Zheng, W.; Illingworth, G. D.; Benitez, N.; Broadhurst, T. J." THROUGH THE LOOKING GLASS: BRIGHT, HIGHLY MAGNIFIED GALAXY CANDIDATES AT z similar to 7 BEHIND A1703 ASTROPHYSICAL JOURNAL Volume: 747 Issue: 1 Article Number: 3 DOI: 10.1088/0004-637X/747/1/3 Published: MAR 1 2012
ESA: Hubble/WFC3

87 "Braine, J; Gratier, P; Kramer, C; Israel, FP; van der Tak, F; Mookerjee, B; Boquien, M; Tabatabaei, F; van der Werf, P; Henkel, C" Spectrally resolved CII emission in M 33 (HerM33es) Physical conditions and kinematics around BCLMP 691 ASTRONOMY & ASTROPHYSICS Volume: 544 Article Number: A55 DOI: 10.1051/0004-6361/201219360 Published: AUG 2012
ESA: Herschel/HIFI

88 "Brandl, BR; Martin-Hernandez, NL; Schaerer, D; Rosenberg, M; van der Werf, PP" High resolution IR observations of the starburst ring in NGC 7552 One ring to rule them all? ASTRONOMY & ASTROPHYSICS Volume: 543 Article Number: A61 DOI: 10.1051/0004-6361/201117568 Published: JUL 2012
ESO (Paranal): VLT/VISIR/SINFONI; ESA: ISO

89 "Bressert, E; Bastian, N; Evans, CJ; Sana, H; Henault-Brunet, V; Goodwin, SP; Parker, RJ; Gieles, M; Bestenlehner, JM; Vink, JS; Taylor, WD; Crowther, PA; Longmore, SN; Grafener, G; Apellaniz, JM; De Koter, A; Cantiello, M; Kruijssen, JMD" The VLT-FLAMES Tarantula Survey IV. Candidates for isolated high-mass star formation in 30 Doradus ASTRONOMY & ASTROPHYSICS Volume: 542 Article Number: A49 DOI: 10.1051/0004-6361/201117247 Published: JUN 2012
ESO (Paranal): VLT/FLAMES; ESA: Hubble

90 "Brogaard, K; VandenBerg, DA; Bruntt, H; Grundahl, F; Frandsen, S; Bedin, LR; Milone, AP; Dotter, A; Feiden, GA; Stetson, PB; Sandquist, E; Miglio, A; Stello, D; Jessen-Hansen, J" Age and helium content of the open cluster NGC 6791 from multiple eclipsing binary members II. Age dependencies and new insights ASTRONOMY & ASTROPHYSICS Volume: 543 Article Number: A106 DOI: 10.1051/0004-6361/201219196 Published: JUL 2012
ESO (Paranal): VLT/UVES; ORM: NOT

91 "Broomhall, AM; Salabert, D; Chaplin, WJ; Garcia, RA; Elsworth, Y; Howe, R; Mathur, S" Misleading variations in estimated rotational frequency splittings of solar p modes: consequences for helioseismology and asteroseismology MONTHLY NOTICES OF THE ROYAL

ASTRONOMICAL SOCIETY Volume: 422 Issue: 4 Pages: 3564-3573 DOI:
10.1111/j.1365-2966.2012.20868.x Published: JUN 2012
ESA: SOHO

92 "Bruntt, H; Basu, S; Smalley, B; Chaplin, WJ; Verner, GA; Bedding, TR; Catala, C;
Gazzano, JC; Molenda-Zakowicz, J; Thygesen, AO; Uytterhoeven, K; Hekker, S; Huber, D;
Karoff, C; Mathur, S; Mosser, B; Appourchaux, T; Campante, TL; Elsworth, Y; Garcia, RA;
"Accurate fundamental parameters and detailed abundance patterns from spectroscopy of 93 solar-
type Kepler targets MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY
Volume: 423 Issue: 1 Pages: 122-131 DOI: 10.1111/j.1365-2966.2012.20686.x Published:
JUN 2012
ORM: Mercator/HERMES, NOT/FIES; ESO (La Silla): 3.6m/HARPS

93 "Bufano, F; Pian, E; Sollerman, J; Benetti, S; Pignata, G; Valenti, S; Covino, S; D'Avanzo,
P; Malesani, D; Cappellaro, E; Della Valle, M; Fynbo, J; Hjorth, J; Mazzali, PA; Reichart, DE;
Starling, RLC; Turatto, M; Vergani, SD; Wiersema, K; Amati, L; Bersie"THE HIGHLY
ENERGETIC EXPANSION OF SN 2010bh ASSOCIATED WITH GRB 100316D
ASTROPHYSICAL JOURNAL Volume: 753 Issue: 1 Article Number: 67 DOI:
10.1088/0004-637X/753/1/67 Published: JUL 1 2012
ESO (Paranal): VLT

94 "Bujarrabal, V.; Alcolea, J.; Soria-Ruiz, R.; Planesas, P.; Teyssier, D.; Cernicharo, J.;
Decin, L.; Dominik, C.; Justtanont, K.; de Koter, A.; Marston, A. P.; Melnick, G.; Menten, K. M.;
Neufeld, D. A.; Olofsson, H.; Schmidt, M.; Schoier, F. L.; Szczerba," Herschel/HIFI
observations of molecular emission in protoplanetary nebulae and young planetary nebulae
ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A8 DOI:
10.1051/0004-6361/201117646 Published: JAN 2012
OAN-IGN
ESA: Herschel/HIFI

95 "Bussmann, RS; Gurwell, MA; Fu, H; Smith, DJB; Dye, S; Auld, R; Baes, M; Baker, AJ;
Bonfield, D; Cava, A; Clements, DL; Cooray, A; Coppin, K; Dannerbauer, H; Dariush, A; De
Zotti, G; Dunne, L; Eales, S; Fritz, J; Hopwood, R; Ibar, E; Ivison, RJ; Jarvis, MJ" A
DETAILED GRAVITATIONAL LENS MODEL BASED ON SUBMILLIMETER ARRAY AND
KECK ADAPTIVE OPTICS IMAGING OF A HERSCHEL-ATLAS SUBMILLIMETER
GALAXY AT $z=4.243$ ASTROPHYSICAL JOURNAL Volume: 756 Issue: 2 Article
Number: 134 DOI: 10.1088/0004-637X/756/2/134 Published: SEP 10 2012
ESA: Herschel

96 "Caballero, JA; Cabrera-Lavers, A; Garcia-Alvarez, D; Pascual, S" Stars and brown
dwarfs in the sigma Orionis cluster (Research Note) III. OSIRIS/GTC low-resolution spectroscopy
of variable sources ASTRONOMY & ASTROPHYSICS Volume: 546 Article Number:
A59 DOI: 10.1051/0004-6361/201219626 Published: OCT 2012
CAB (INTA-CSIC)
GTC/OSIRIS

- 97 "Caballero, JA; Montes, D" COOL DWARFS IN WIDE MULTIPLE SYSTEMS PAPER 2: A DISTANT M8.5V COMPANION TO HD 212168 AB OBSERVATORY Volume: 132 Issue: 1228 Pages: 176-182 Published: JUN 2012
CAB (INTA-CSIC)
ESA: Hipparcos
- 98 "Cairos, LM; Caon, N; Lorenzo, BG; Kelz, A; Roth, M; Papaderos, P; Streicher, O" Mapping luminous blue compact galaxies with VIRUS-P Morphology, line ratios, and kinematics ASTRONOMY & ASTROPHYSICS Volume: 547 Article Number: A24 DOI: 10.1051/0004-6361/201219598 Published: NOV 2012
ORM: WHT/INTEGRAL; CAHA: 3.5m/CAFOS
- 99 "Calamida, A; Monelli, M; Milone, AP; Bono, G; Pietrinferni, A; Lagioia, EP" A new visual - near-infrared diagnostic to estimate the metallicity of cluster and field dwarf stars ASTRONOMY & ASTROPHYSICS Volume: 544 Article Number: A152 DOI: 10.1051/0004-6361/201219712 Published: AUG 2012
ORM: NOT; ESA: Hubble
- 100 "Cappetta, M; Saglia, RP; Birkby, JL; Koppenhoefer, J; Pinfield, DJ; Hodgkin, ST; Cruz, P; Kovacs, G; Sipocz, B; Barrado, D; Nefs, B; Pavlenko, YV; Fossati, L; del Burgo, C; Martin, EL; Snellen, I; Barnes, J; Bayo, A; Campbell, DA; Catalan, S; Galvez-Ortiz" The first planet detected in the WTS: an inflated hot Jupiter in a 3.35 d orbit around a late F star MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 427 Issue: 3 Pages: 1877-1890 DOI: 10.1111/j.1365-2966.2012.21937.x Published: DEC 2012
ORM: INT/WFC, WHT/ISIS; CAHA: 2.2m/CAFOS
- 101 "Carballo-Bello, Julio A.; Gieles, Mark; Sollima, Antonio; Kozlov, Sergey; Martinez-Delgado, David; Penarrubia, Jorge" Outer density profiles of 19 Galactic globular clusters from deep and wide-field imaging MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 419 Issue: 1 Pages: 14-28 DOI: 10.1111/j.1365-2966.2011.19663.x Published: JAN 2012
IAC; Unv La Laguna
ORM: INT/WFC; ESO (La Silla): MPG 2.2m/WFI
- 102 "Carone, L.; Gandolfi, D.; Cabrera, J.; Hatzes, A. P.; Deeg, H. J.; Csizmadia, Sz.; Paetzold, M.; Weingrill, J.; Aigrain, S.; Alonso, R.; Alapini, A.; Almenara, J. -M.; Auvergne, M.; Baglin, A.; Barge, P.; Bonomo, A. S.; Borde, P.; Bouchy, F.; Bruntt, H.;" Planetary transit candidates in the CoRoT LRA01 field ASTRONOMY & ASTROPHYSICS Volume: 538 Article Number: A112 DOI: 10.1051/0004-6361/201116968 Published: FEB 2012
ESA: CoRoT; ESO (Paranal): VLT/FLAMES/GIRAFFE/CRIFES; ESO (La Silla): 3.6m/HARPS; OT: IAC-80/CAMELOT, TCS/FastCam; ORM: NOT/FIES
- 103 Carrera, R Radial velocities and metallicities from infrared Ca II triplet spectroscopy of open clusters ASTRONOMY & ASTROPHYSICS Volume: 544 Article Number: A109 DOI: 10.1051/0004-6361/201219625 Published: AUG 2012 "IAC; Unv La Laguna"
ORM: INT

104 "Carry, B; Kaasalainen, M; Merline, WJ; Muller, TG; Jorda, L; Drummond, JD; Berthier, J; O'Rourke, L; Durech, J; Kuppers, M; Conrad, A; Tamblyn, P; Dumas, C; Sierks, H" Shape modeling technique KOALA validated by ESA Rosetta at (21) Lutetia PLANETARY AND SPACE SCIENCE Volume: 66 Issue: 1 Special Issue: SI Pages: 200-212 DOI: 10.1016/j.pss.2011.12.018 Published: JUN 2012

ESAC

ESA: Rosetta/OSIRIS

105 "Carry, B; Snodgrass, C; Lacerda, P; Hainaut, O; Dumas, C" Characterisation of candidate members of (136108) Haumea's family ASTRONOMY & ASTROPHYSICS Volume: 544 DOI: 10.1051/0004-6361/201219044 Published: AUG 2012

ESAC

ESO (Paranal): VLT; ESO (La Silla): NTT/EFOSC2

106 "Carry, Benoit; Vernazza, Pierre; Dumas, Christophe; Merline, William J.; Mousis, Olivier; Rousselot, Philippe; Jehin, Emmanuel; Manfroid, Jean; Fulchignoni, Marcello; Zucconi, Jean-Marc" The remarkable surface homogeneity of the Dawn mission target (1) Ceres ICARUS Volume: 217 Issue: 1 Pages: 20-26 DOI: 10.1016/j.icarus.2011.10.015 Published: JAN 2012

ESAC

ESO (Paranal): VLT/SINFONI

107 "Carter, M.; Lazareff, B.; Maier, D.; Chenu, J. -Y.; Fontana, A. -L.; Bortolotti, Y.; Boucher, C.; Navarrini, A.; Blanchet, S.; Greve, A.; John, D.; Kramer, C.; Morel, F.; Navarro, S.; Penalver, J.; Schuster, K. F.; Thum, C." The EMIR multi-band mm-wave receiver for the IRAM 30-m telescope ASTRONOMY & ASTROPHYSICS Volume: 538 Article Number: A89 DOI: 10.1051/0004-6361/201118452 Published: FEB 2012

IRAM: 30m/EMIR

108 "Casares, J.; Ribo, M.; Ribas, I.; Paredes, J. M.; Vilardell, F.; Negueruela, I." On the binary nature of the gamma-ray sources AGL J2241+4454 (= MWC 656) and HESS J0632+057 (= MWC 148) MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 421 Issue: 2 Pages: 1103-1112 DOI: 10.1111/j.1365-2966.2011.20368.x Published: APR 2012

IAC; Unv La Laguna

ORM: LT, INT, WHT, Mercator; OT: STELLA

109 "Caselli, P; Keto, E; Bergin, EA; Tafalla, M; Aikawa, Y; Douglas, T; Pagani, L; Yildiz, UA; van der Tak, FFS; Walmsley, CM; Codella, C; Nisini, B; Kristensen, LE; van Dishoeck, EF" FIRST DETECTION OF WATER VAPOR IN A PRE-STELLAR CORE ASTROPHYSICAL JOURNAL LETTERS Volume: 759 Issue: 2 Article Number: L37 DOI: 10.1088/2041-8205/759/2/L37 Published: NOV 10 2012

ESA: Herschel/HIFI

110 "Casey, CM; Berta, S; Bethermin, M; Bock, J; Bridge, C; Budynkiewicz, J; Burgarella, D; Chapin, E; Chapman, SC; Clements, DL; Conley, A; Conselice, CJ; Cooray, A; Farrah, D; Hatziminaoglou, E; Ivison, RJ; le Floc'h, E; Lutz, D; Magdis, G; Magnelli, B; Oliv" A REDSHIFT SURVEY OF HERSCHEL FAR-INFRARED SELECTED STARBURSTS AND IMPLICATIONS FOR OBSCURED STAR FORMATION ASTROPHYSICAL JOURNAL

Volume: 761 Issue: 2 Article Number: 140 DOI: 10.1088/0004-637X/761/2/140 Published:
DEC 20 2012
ESA: Herschel (HerMES project)

111 "Casey, CM; Berta, S; Bethermin, M; Bock, J; Bridge, C; Burgarella, D; Chapin, E;
Chapman, SC; Clements, DL; Conley, A; Conselice, CJ; Cooray, A; Farrah, D; Hatziminaoglou, E;
Iverson, RJ; le Floch, E; Lutz, D; Magdis, G; Magnelli, B; Oliver, SJ; Page, MJ;" A POPULATION
OF $z > 2$ FAR-INFRARED HERSCHEL-SpIRE-SELECTED STARBURSTS
ASTROPHYSICAL JOURNAL Volume: 761 Issue: 2 Article Number: 139 DOI:
10.1088/0004-637X/761/2/139 Published: DEC 20 2012
ESA: Herschel (HerMES project)

112 "Castello-Mor, N; Barcons, X; Ballo, L; Carrera, FJ; Ward, MJ; Jin, C" The X-ray
luminous galaxies optically classified as star forming are mostly narrow line Seyfert 1 s
ASTRONOMY & ASTROPHYSICS Volume: 544 Article Number: A48 DOI:
10.1051/0004-6361/201118301 Published: AUG 2012
IFCA (CSIC-UC)
ESA: XMM-Newton

113 "Castro, N; Urbaneja, MA; Herrero, A; Garcia, M; Simon-Diaz, S; Bresolin, F; Pietrzynski,
G; Kudritzki, RP; Gieren, W" The ARAUCARIA project: Grid-based quantitative
spectroscopic study of massive blue stars in NGC 55 ASTRONOMY & ASTROPHYSICS
Volume: 542 Article Number: A79 DOI: 10.1051/0004-6361/201118253 Published: JUN
2012
ESO (Paranal): VLT/FORS2

114 "Castro-Carrizo, A; Neri, R; Bujarrabal, V; Chesneau, O; Cox, P; Bachiller, R" Two short
mass-loss events that unveil the binary heart of Minkowski's Butterfly Nebula ASTRONOMY &
ASTROPHYSICS Volume: 545 Article Number: A1 DOI: 10.1051/0004-6361/201118726
Published: SEP 2012
IRAM: PdBI, 30m

115 "Cavarroc, C.; Moutou, C.; Gandolfi, D.; Tingley, B.; Ollivier, M.; Aigrain, S.; Alonso, R.;
Almenara, J. -M.; Auvergne, M.; Baglin, A.; Barge, P.; Bonomo, A. S.; Borde, P.; Bouchy, F.;
Cabrera, J.; Carpano, S.; Carone, L.; Cochran, W. D.; Csizmadia, S.; D" Transiting exoplanets
from the CoRoT space mission Resolving the nature of transit candidates for the LRA03 and SRa03
fields ASTROPHYSICS AND SPACE SCIENCE Volume: 337 Issue: 2 Pages: 511-529 DOI:
10.1007/s10509-011-0897-1 Published: FEB 2012
ESA: CoRoT; ESO (Paranal): VLT/NACO/HIRES/HARPS/CRIRES; OT: IAC-80, OGS; ORM:
NOT/FIES

116 "Cedres, B; Cepa, J; Bongiovanni, A; Castaneda, H; Sanchez-Portal, M; Tomita, A"
Two-dimensional metallicity distribution of the ionized gas in NGC 628 and NGC 6946
ASTRONOMY & ASTROPHYSICS Volume: 545 Article Number: A43 DOI:
10.1051/0004-6361/201219571 Published: SEP 2012
IAC; Unv La Laguna
ORM: NOT/ALFOSC

- 117 "Cernicharo, J; Marcelino, N; Roueff, E; Gerin, M; Jimenez-Escobar, A; Caro, GMM" DISCOVERY OF THE METHOXY RADICAL, CH₃O, TOWARD B1: DUST GRAIN AND GAS-PHASE CHEMISTRY IN COLD DARK CLOUDS ASTROPHYSICAL JOURNAL LETTERS Volume: 759 Issue: 2 Article Number: L43 DOI: 10.1088/2041-8205/759/2/L43 Published: NOV 10 2012
CAB (INTA-CSIC)
IRAM: 30m
- 118 "Cerrigone, L; Menten, KM; Kaminski, T" CO observations of water-maser post-asymptotic giant branch stars and detection of a high-velocity outflow in IRAS 15452-5459 ASTRONOMY & ASTROPHYSICS Volume: 542 Article Number: A15 DOI: 10.1051/0004-6361/201118683 Published: JUN 2012
CAB (INTA-CSIC)
ESO: APEX/LABOCA
- 119 "Chavez, R; Terlevich, E; Terlevich, R; Plionis, M; Bresolin, F; Basilakos, S; Melnick, J" Determining the Hubble constant using giant extragalactic H II regions and H II galaxies MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 425 Issue: 1 Pages: L56-L60 DOI: 10.1111/j.1745-3933.2012.01299.x Published: SEP 2012
ESO (Paranal): VLT/UVES
- 120 "Choi, JY; Shin, IG; Park, SY; Han, C; Gould, A; Sumi, T; Udalski, A; Beaulieu, JP; Street, R; Dominik, M; Allen, W; Almeida, LA; Bos, M; Christie, GW; Depoy, DL; Dong, S; Drummond, J; Gal-Yam, A; Gaudi, BS; Henderson, CB; Hung, LW; Jablonski, F; Janczak, " CHARACTERIZING LENSES AND LENSED STARS OF HIGH-MAGNIFICATION SINGLE-LENS GRAVITATIONAL MICROLENSING EVENTS WITH LENSES PASSING OVER SOURCE STARS ASTROPHYSICAL JOURNAL Volume: 751 Issue: 1 Article Number: 41 DOI: 10.1088/0004-637X/751/1/41 Published: MAY 20 2012
ORM: LT
- 121 "Cicone, C; Feruglio, C; Maiolino, R; Fiore, F; Piconcelli, E; Menci, N; Aussel, H; Sturm, E" The physics and the structure of the quasar-driven outflow in Mrk 231 ASTRONOMY & ASTROPHYSICS Volume: 543 Article Number: A99 DOI: 10.1051/0004-6361/201218793 Published: JUL 2012
IRAM: PdBI
- 122 "Cid, C; Cremades, H; Aran, A; Mandrini, C; Sanahuja, B; Schmieder, B; Menvielle, M; Rodriguez, L; Saiz, E; Cerrato, Y; Dasso, S; Jacobs, C; Lathuillere, C; Zhukov, A" Can a halo CME from the limb be geoeffective? JOURNAL OF GEOPHYSICAL RESEARCH-SPACE PHYSICS Volume: 117 Article Number: A11102 DOI: 10.1029/2012JA017536 Published: NOV 2 2012
UAH
ESA: SOHO/LASCO/C2
- 123 "Civano, F; Elvis, M; Lanzuisi, G; Aldcroft, T; Trichas, M; Bongiorno, A; Brusa, M; Blecha, L; Comastri, A; Loeb, A; Salvato, M; Fruscione, A; Koekemoer, A; Komossa, S; Gilli, R; Mainieri, V; Piconcelli, E; Vignali, C" CHANDRA HIGH-RESOLUTION OBSERVATIONS OF CID-42, A CANDIDATE RECOILING SUPERMASSIVE BLACK HOLE

ASTROPHYSICAL JOURNAL Volume: 752 Issue: 1 Article Number: 49 DOI:
10.1088/0004-637X/752/1/49 Published: JUN 10 2012
ESA: Hubble/ACS

124 "Claire, MW; Sheets, J; Cohen, M; Ribas, I; Meadows, VS; Catling, DC" THE
EVOLUTION OF SOLAR FLUX FROM 0.1 nm TO 160 μ m: QUANTITATIVE ESTIMATES
FOR PLANETARY STUDIES ASTROPHYSICAL JOURNAL Volume: 757 Issue: 1
Article Number: 95 DOI: 10.1088/0004-637X/757/1/95 Published: SEP 20 2012
ESA: Hubble

125 "Claret, A; Hauschildt, PH; Witte, S" New limb-darkening coefficients for
PHOENIX/1D model atmospheres I. Calculations for 1500 K \leq T-eff \leq 4800 K Kepler, CoRoT,
Spitzer, uvby, UBVRIJHK, Sloan, and 2MASS photometric systems ASTRONOMY &
ASTROPHYSICS Volume: 546 Article Number: A14 DOI: 10.1051/0004-6361/201219849
Published: OCT 2012
IAA-CISC
ESA: CoRoT

126 "Clark, JS; Castro, N; Garcia, M; Herrero, A; Najarro, F; Negueruela, I; Ritchie, BW;
Smith, KT" On the nature of candidate luminous blue variables in M 33 ASTRONOMY &
ASTROPHYSICS Volume: 541 Article Number: A145 DOI: 10.1051/0004-
6361/201117472 Published: MAY 2012
ORM: WHT

127 "Clark, JS; Najarro, F; Negueruela, I; Ritchie, BW; Urbaneja, MA; Howarth, ID" On
the nature of the galactic early-B hypergiants ASTRONOMY & ASTROPHYSICS
Volume: 541 Article Number: A146 DOI: 10.1051/0004-6361/201118440 Published:
MAY 2012
ORM: WHT/ISIS, INT; ESO (Paranal): VLT/UVES; ESO (La Silla): NTT/EMMI, MPG
2.2m/FEROS

128 "Clement, B.; Cuby, J. -G.; Courbin, F.; Fontana, A.; Freudling, W.; Fynbo, J.; Gallego, J.;
Hibon, P.; Kneib, J. -P.; Le Fevre, O.; Lidman, C.; McMahon, R.; Milvang-Jensen, B.; Moller, P.;
Moorwood, A.; Nilsson, K. K.; Pentericci, L.; Venemans, B.; Villar" Evolution of the observed
Ly alpha luminosity function from $z=6.5$ to $z=7.7$: evidence for the epoch of reionization?
ASTRONOMY & ASTROPHYSICS Volume: 538 Article Number: A66 DOI:
10.1051/0004-6361/201117312 Published: FEB 2012
ESO (Paranal): VLT/HAWK-I

129 "Clerc, N; Sadibekova, T; Pierre, M; Pacaud, F; Le Fevre, JP; Adami, C; Altieri, B;
Valtchanov, I" The cosmological analysis of X-ray cluster surveys - II. Application of the CR-HR
method to the XMM archive MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL
SOCIETY Volume: 423 Issue: 4 Pages: 3561-3583 DOI: 10.1111/j.1365-
2966.2012.21153.x Published: JUL 2012
ESA:XMM-Newton

- 130 "Cobo, B. Ruiz; Puschmann, K. G." TWIST, WRITHE, AND HELICITY IN THE INNER PENUMBRA OF A SUNSPOT ASTROPHYSICAL JOURNAL Volume: 745 Issue: 2 Article Number: 141 DOI: 10.1088/0004-637X/745/2/141 Published: FEB 1 2012
ESA: Hinode
- 131 "Codella, C.; Ceccarelli, C.; Bottinelli, S.; Salez, M.; Viti, S.; Lefloch, B.; Cabrit, S.; Caux, E.; Faure, A.; Vasta, M.; Wiesenfeld, L." FIRST DETECTION OF HYDROGEN CHLORIDE TOWARD PROTOSTELLAR SHOCKS ASTROPHYSICAL JOURNAL Volume: 744 Issue: 2 Article Number: 164 DOI: 10.1088/0004-637X/744/2/164 Published: JAN 10 2012
ESA: Herschel/HIFI
- 132 "Codella, C.; Ceccarelli, C.; Lefloch, B.; Fontani, F.; Busquet, G.; Caselli, P.; Kahane, C.; Lis, D.; Taquet, V.; Vasta, M.; Viti, S.; Wiesenfeld, L." THE HERSCHEL AND IRAM CHESS SPECTRAL SURVEYS OF THE PROTOSTELLAR SHOCK L1157-B1: FOSSIL DEUTERATION ASTROPHYSICAL JOURNAL LETTERS Volume: 757 Issue: 1 Article Number: L9 DOI: 10.1088/2041-8205/757/1/L9 Published: SEP 20 2012
ESA: Herschel/HIFI; IRAM: 30 m
- 133 "Coe, D.; Umetsu, K.; Zitrin, A.; Donahue, M.; Medezinski, E.; Postman, M.; Carrasco, M.; Anguita, T.; Geller, M.J.; Rines, K.J.; Diaferio, A.; Kurtz, M.J.; Bradley, L.; Koekemoer, A.; Zheng, W.; Nonino, M.; Molino, A.; Mahdavi, A.; Lemze, D.; Infante, L.; Ogaz, S.; Melchior, P." CLASH: PRECISE NEW CONSTRAINTS ON THE MASS PROFILE OF THE GALAXY CLUSTER A2261 ASTROPHYSICAL JOURNAL Volume: 757 Issue: 1 Article Number: 22 DOI: 10.1088/0004-637X/757/1/22 Published: SEP 20 2012
ESA: Hubble/ACS/WFC3
- 134 "Colina, L.; Pereira-Santaella, M.; Alonso-Herrero, A.; Bedregal, A. G.; Arribas, S." SPATIALLY RESOLVED [Fe II] 1.64 μ m EMISSION IN NGC 5135: CLUES FOR UNDERSTANDING THE ORIGIN OF THE HARD X-RAYS IN LUMINOUS INFRARED GALAXIES ASTROPHYSICAL JOURNAL Volume: 749 Issue: 2 Article Number: 116 DOI: 10.1088/0004-637X/749/2/116 Published: APR 2012
CAB (INTA-CSIC)
ESO (Paranal): VLT/SINFONI
- 135 "Colon, Knicole D.; Ford, Eric B.; Redfield, Seth; Fortney, Jonathan J.; Shabram, Megan; Deeg, Hans J.; Mahadevan, Suvrath" Probing potassium in the atmosphere of HD 80606b with tunable filter transit spectrophotometry from the Gran Telescopio Canarias MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 419 Issue: 3 Pages: 2233-2250 DOI: 10.1111/j.1365-2966.2011.19878.x Published: JAN 2012
GTC/OSIRIS
- 136 "Combes, F.; Boquien, M.; Kramer, C.; Xilouris, E. M.; Bertoldi, F.; Braine, J.; Buchbender, C.; Calzetti, D.; Gratier, P.; Israel, F.; Koribalski, B.; Lord, S.; Quintana-Lacaci, G.; Relano, M.; Roellig, M.; Stacey, G.; Tabatabaei, F. S.; Tilanus, R. P. J." Dust and gas power spectrum in M 33 (HERM33ES) ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A67 DOI: 10.1051/0004-6361/201118282 Published: MAR 2012
ESA: Herschel

137 "Combes, F.; Rex, M.; Rawle, T. D.; Egami, E.; Boone, F.; Smail, I.; Richard, J.; Ivison, R. J.; Gurwell, M.; Casey, C. M.; Omont, A.; Alba, A. Berciano; Dessauges-Zavadsky, M.; Edge, A. C.; Fazio, G. G.; Kneib, J. -P.; Okabe, N.; Pello, R.; Perez-Gonzalez" A bright $z=5.2$ lensed submillimeter galaxy in the field of Abell 773 HLSJ091828.6+514223 ASTRONOMY & ASTROPHYSICS Volume: 538 Article Number: L4 DOI: 10.1051/0004-6361/201118750
Published: FEB 2012

ESA: Herschel/SPIRE; IRAM: 30m

138 "Contini, T.; Garilli, B.; Le Fevre, O.; Kissler-Patig, M.; Amram, P.; Epinat, B.; Moulta, J.; Paoro, L.; Queyrel, J.; Tasca, L.; Tresse, L.; Vergani, D.; Lopez-Sanjuan, C.; Perez-Montero, E." MASSIV: Mass Assembly Survey with SINFONI in VVDS I. Survey description and global properties of the $0.9 < z < 1.8$ galaxy sample ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A91 DOI: 10.1051/0004-6361/201117541 Published: MAR 2012

ESO (Paranal): VLT/VIMOS/SINFONI

139 "Contreras, CS; Sahai, R" OPACOS: OVRO POST-AGB CO (1-0) EMISSION SURVEY. I. DATA AND DERIVED NEBULAR PARAMETERS ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES Volume: 203 Issue: 1 Article Number: 16 DOI: 10.1088/0067-0049/203/1/16 Published: NOV 2012

CAB (INTA-CSIC)

ESA: Hubble; AKARI

140 "Cornelisse, R.; D'Avanzo, P.; Campana, S.; Casares, J.; Charles, P. A.; Israel, G.; Munoz-Darias, T.; O'Brien, K.; Steeghs, D.; Stella, L.; Torres, M. A. P." The nature of the X-ray transient MAXI J0556-332 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 420 Issue: 4 Pages: 3538-3544 DOI: 10.1111/j.1365-2966.2011.20274.x Published: MAR 2012 "IAC; Unv La Laguna" ESO (Paranal): VLT/FORS2/X-Shooter

141 Corradi, R. L. M. THE SEARCH FOR SYMBIOTIC STARS IN THE IPHAS SURVEY BALTIC ASTRONOMY Volume: 21 Issue: 1-2 Pages: 32-38 Published: 2012

IAC; Unv La Laguna

ORM: INT/WFC

142 "Corsini, EM; Mendez-Abreu, J; Pastorello, N; Dalla Bonta, E; Morelli, L; Beifiori, A; Pizzella, A; Bertola, F" Polar bulges and polar nuclear discs: the case of NGC 4698 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 423 Issue: 1 Pages: L79-L83 DOI: 10.1111/j.1745-3933.2012.01261.x Published: JUN 2012

ESA: Hubble/WFPC2

143 "Creevey, O. L.; Dogan, G.; Frasca, A.; Thygesen, A. O.; Basu, S.; Bhattacharya, J.; Biazzo, K.; Brandao, I. M.; Bruntt, H.; Mazumdar, A.; Niemczura, E.; Shrotriya, T.; Sousa, S. G.; Stello, D.; Subramaniam, A.; Campante, T. L.; Handberg, R.; Mathur, S.; B" Fundamental properties of five Kepler stars using global asteroseismic quantities and ground-based observations ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A111 DOI: 10.1051/0004-6361/201117037 Published: JAN 2012

IAC; Unv La Laguna

ORM: NOT

144 "Dai, YS; Bergeron, J; Elvis, M; Omont, A; Huang, JS; Bock, J; Cooray, A; Fazio, G; Hatziminaoglou, E; Ibar, E; Magdis, GE; Oliver, SJ; Page, MJ; Perez-Fournon, I; Rigopoulou, D; Roseboom, IG; Scott, D; Symeonidis, M; Trichas, M; Vieira, JD; Willmer, CNA; " A
POPULATION OF DUST-RICH QUASARS AT z similar to 1.5
ASTROPHYSICAL JOURNAL Volume: 753 Issue: 1 Article Number: 33 DOI:
10.1088/0004-637X/753/1/33 Published: JUL 1 2012
ESA: Herschel

145 "Dalda, A. Sainz; Martinez-Sykora, J.; Bellot Rubio, L.; Title, A."STUDY OF SINGLE-
LOBED CIRCULAR POLARIZATION PROFILES IN THE QUIET SUN
ASTROPHYSICAL JOURNAL Volume: 748 Issue: 1 Article Number: 38 DOI:
10.1088/0004-637X/748/1/38 Published: MAR 20 2012
ESA: Hinode/SOT

146 "Daniel, F; Agundez, M; Cernicharo, J; De Beck, E; Lombaert, R; Decin, L; Kahane, C;
Guelin, M; Muller, HSP" Herschel/HIFI observation of highly excited rotational lines of HNC
toward IRC +10 216 ASTRONOMY & ASTROPHYSICS Volume: 542 Article Number:
A37 DOI: 10.1051/0004-6361/201118449 Published: JUN 2012
CAB (INTA-CSIC)
ESA: Herschel/HIFI

147 "Dauser, T.; Svoboda, J.; Schartel, N.; Wilms, J.; Dovciak, M.; Ehle, M.; Karas, V.; Santos-
Lleo, M.; Marshall, H. L." Spectral analysis of 1H 0707-495 with XMM-Newton MONTHLY
NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 422 Issue: 3 Pages:
1914-1921 DOI: 10.1111/j.1365-2966.2011.20356.x Published: MAY 2012
ESA: XMM-Newton

148 "Davies, Ben; Clark, J. S.; Trombly, Christine; Figer, Donald F.; Najarro, Francisco;
Crowther, Paul A.; Kudritzki, Rolf-Peter; Thompson, Mark; Urquhart, James S.; Hindson, Luke"
The G305 star-forming complex: the central star clusters Danks 1 and Danks 2 MONTHLY
NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 419 Issue: 3 Pages:
1871-1886 DOI: 10.1111/j.1365-2966.2011.19736.x Published: JAN 2012
ESO (Paranal): VLT/ISAAC; ESA: Hubble/NICMOS"

149 "Davies, Ben; de la Fuente, Diego; Najarro, Francisco; Hinton, Jim A.; Trombly, Christine;
Figer, Donald F.; Puga, Elena" A newly discovered young massive star cluster at the far end
of the Galactic Bar MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY
Volume: 419 Issue: 3 Pages: 1860-1870 DOI: 10.1111/j.1365-2966.2011.19840.x Published:
JAN 2012
ESO (Paranal): VLT/ISAAC; ESA: Hubble/NICMOS

150 "De Beck, E.; Lombaert, R.; Agundez, M.; Daniel, F.; Decin, L.; Cernicharo, J.; Mueller, H.
S. P.; Min, M.; Royer, P.; Vandenbussche, B.; de Koter, A.; Waters, L. B. F. M.; Groenewegen, M.
A. T.; Barlow, M. J.; Guelin, M.; Kahane, C.; Pearson, J. C.; Encre" On the physical structure
of IRC+10216 Ground-based and Herschel observations of CO and C2H ASTRONOMY &
ASTROPHYSICS Volume: 539 Article Number: A108 DOI: 10.1051/0004-
6361/201117635 Published: MAR 2012

ESA: Herschel/HIFI/SPIRE/PACS; IRAM. 30m

151 "de Leon, J.; Pinilla-Alonso, N.; Campins, H.; Licandro, J.; Marzo, G. A." Near-infrared spectroscopic survey of B-type asteroids: Compositional analysis ICARUS Volume: 218 Issue: 1 Pages: 196-206 DOI: 10.1016/j.icarus.2011.11.024 Published: MAR 2012 IAA-CSIC
ORM: TNG/NICS

152 "de Lorenzo-Caceres, A.; Vazdekis, A.; Aguerri, J. A. L.; Corsini, E. M.; Debattista, Victor P." Constraining the formation of inner bars: photometry, kinematics and stellar populations in NGC 357 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 420 Issue: 2 Pages: 1092-1106 DOI: 10.1111/j.1365-2966.2011.20100.x Published: FEB 2012 IAC; Unv La Laguna
ESA. Hubble; ESO (La Silla); NTT/EMMI"

153 "De Luca, M; Gupta, H; Neufeld, D; Gerin, M; Teyssier, D; Drouin, BJ; Pearson, JC; Lis, DC; Monje, R; Phillips, TG; Goicoechea, JR; Godard, B; Falgarone, E; Coutens, A; Bell, TA" HERSCHEL/HIFI DISCOVERY OF HCL+ IN THE INTERSTELLAR MEDIUM ASTROPHYSICAL JOURNAL LETTERS Volume: 751 Issue: 2 Article Number: L37 DOI: 10.1088/2041-8205/751/2/L37 Published: JUN 1 2012
ESA: Herschel/HIFI

154 "de Oliveira, C. Alves; Moraux, E.; Bouvier, J.; Bouy, H." Spectroscopy of new brown dwarf members of rho Ophiuchi and an updated initial mass function ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A151 DOI: 10.1051/0004-6361/201118230 Published: MAR 2012
ESO (Paranal): VLT/ISAAC; GTC

155 "de Putter, R; Mena, O; Giusarma, E; Ho, S; Cuesta, A; Seo, HJ; Ross, AJ; White, M; Bizyaev, D; Brewington, H; Kirkby, D; Malanushenko, E; Malanushenko, V; Oravetz, D; Pan, KK; Percival, WJ; Ross, NP; Schneider, DP; Shelden, A; Simmons, A; Snedden, S" NEW NEUTRINO MASS BOUNDS FROM SDSS-III DATA RELEASE 8 PHOTOMETRIC LUMINOUS GALAXIES ASTROPHYSICAL JOURNAL Volume: 761 Issue: 1 Article Number: 12 DOI: 10.1088/0004-637X/761/1/12 Published: DEC 10 2012
IEEC-UB
ESA: Hubble

156 "de Ugarte Postigo, A.; Lundgren, A.; Martin, S.; Garcia-Appadoo, D.; de Gregorio Monsalvo, I.; Peck, A.; Michalowski, M. J.; Thoene, C. C.; Campana, S.; Gorosabel, J.; Tanvir, N. R.; Wiersema, K.; Castro-Tirado, A. J.; Schulze, S.; De Breuck, C.; Petitpas" Pre-ALMA observations of GRBs in the mm/submm range ASTRONOMY & ASTROPHYSICS Volume: 538 Article Number: A44 DOI: 10.1051/0004-6361/201117848 Published: FEB 2012 IAA-CSIC
ESO: APEX/LABOCA; IRAM: PdBI, 30m

157 "de Val-Borro, M; Rezac, L; Hartogh, P; Biver, N; Bockelee-Morvan, D; Crovisier, J; Koppers, M; Lis, DC; Szutowicz, S; Blake, GA; Emprechtinger, M; Jarchow, C; Jehin, E; Kidger, M; Lara, LM; Lellouch, E; Moreno, R; Rengel, M" An upper limit for the water outgassing rate of

the main-belt comet 176P/LINEAR observed with Herschel/HIFI ASTRONOMY & ASTROPHYSICS Volume: 546 Article Number: L4 DOI: 10.1051/0004-6361/201220169
Published: OCT 2012
ESA: Herschel/HIFI

158 "Deason, A. J.; Belokurov, V.; Evans, N. W.; Kuposov, S. E.; Cooke, R. J.; Penarrubia, J.; Laporte, C. F. P.; Fellhauer, M.; Walker, M. G.; Olszewski, E. W." The cold veil of the Milky Way stellar halo MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 425 Issue: 4 Pages: 2840-2853 DOI: 10.1111/j.1365-2966.2012.21639.x Published: OCT 2012
ESO (Paranal): VLT/FORS2; ORM: WHT

159 "Debes, JH; Kilic, M; Faedi, F; Shkolnik, EL; Lopez-Morales, M; Weinberger, AJ; Slesnick, C; West, RG" DETECTION OF WEAK CIRCUMSTELLAR GAS AROUND THE DAZ WHITE DWARF WD 1124-293: EVIDENCE FOR THE ACCRETION OF MULTIPLE ASTEROIDS ASTROPHYSICAL JOURNAL Volume: 754 Issue: 1 Article Number: 59 DOI: 10.1088/0004-637X/754/1/59 Published: JUL 20 2012
ESO (Paranal): VLT/UVES

160 "Degenaar, N; Wijnands, R; Cackett, EM; Homan, J; in't Zand, JJM; Kuulkers, E; Maccarone, TJ; van der Klis, M" A four-year XMM-Newton/Chandra monitoring campaign of the Galactic centre: analysing the X-ray transients ASTRONOMY & ASTROPHYSICS Volume: 545 Article Number: A49 DOI: 10.1051/0004-6361/201219470 Published: SEP 2012
ESA: XMM-Newton

161 "Deleuil, M.; Bonomo, A. S.; Ferraz-Mello, S.; Erikson, A.; Bouchy, F.; Havel, M.; Aigrain, S.; Almenara, J. -M.; Alonso, R.; Auvergne, M.; Baglin, A.; Barge, P.; Borde, P.; Bruntt, H.; Cabrera, J.; Carpano, S.; Cavarroc, C.; Csizmadia, Sz; Damiani, C.; De" Transiting exoplanets from the CoRoT space mission XX. CoRoT-20b: A very high density, high eccentricity transiting giant planet ASTRONOMY & ASTROPHYSICS Volume: 538 Article Number: A145 DOI: 10.1051/0004-6361/201117681 Published: FEB 2012
ESA: CoRoT; ESO (La Silla): 3.6m/HARPS; ORM: NOT/FIES, INT

162 "Delgado Mena, E.; Israelian, G.; Gonzalez Hernandez, J. I.; Santos, N. C.; Rebolo, R." Be ABUNDANCES IN COOL MAIN-SEQUENCE STARS WITH EXOPLANETS ASTROPHYSICAL JOURNAL Volume: 746 Issue: 1 DOI: 10.1088/0004-637X/746/1/47
Published: FEB 10 2012
IAC; Unv La Laguna
ESO (Paranal): VLT/UVES

163 "Diamond-Stanic, AM; Moustakas, J; Tremonti, CA; Coil, AL; Hickox, RC; Robaina, AR; Rudnick, GH; Sell, PH" HIGH-VELOCITY OUTFLOWS WITHOUT AGN FEEDBACK: EDDINGTON-LIMITED STAR FORMATION IN COMPACT MASSIVE GALAXIES ASTROPHYSICAL JOURNAL LETTERS Volume: 755 Issue: 2 Article Number: L26 DOI: 10.1088/2041-8205/755/2/L26 Published: AUG 20 2012
ESA: Hubble

- 164 "Diaz-Sanchez, A; Perez-Garrido, A; Villo, I; Rebolo, R; Perez-Prieto, JA; Oscoz, A; Hildebrandt, SR; Lopez, R; Rodriguez, LF" High-resolution optical imaging of the core of the globular cluster M15 with FastCam MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 423 Issue: 3 Pages: 2260-2269 DOI: 10.1111/j.1365-2966.2012.21034.x Published: JUL 2012
Unv P. de Cartagena
ESA: Hubble; ORM: NOT
- 165 "Dobbie, P. D.; Baxter, R.; Kuelebi, B.; Parker, Q. A.; Koester, D.; Jordan, S.; Lodieu, N.; Euchner, F." Two new young, wide, magnetic plus non-magnetic double-degenerate binary systems MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 421 Issue: 1 Pages: 202-212 DOI: 10.1111/j.1365-2966.2012.20291.x Published: MAR 2012
ESO (Paranal): VLT; ORM: WHT
- 166 "Dobbie, PD; Day-Jones, A; Williams, KA; Casewell, SL; Burleigh, MR; Lodieu, N; Parker, QA; Baxter, R" Further investigation of white dwarfs in the open clusters NGC 2287 and NGC 3532 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 423 Issue: 3 Pages: 2815-2828 DOI: 10.1111/j.1365-2966.2012.21090.x Published: JUL 2012
ESO (La Silla): MPG 2.2m/WFI; ESO (Paranal): VLT/FORS2
- 167 "Donaldson, JK; Roberge, A; Chen, CH; Augereau, JC; Dent, WRF; Eiroa, C; Krivov, AV; Mathews, GS; Meeus, G; Menard, F; Riviere-Marichalar, P; Sandell, G" HERSCHEL PACS OBSERVATIONS AND MODELING OF DEBRIS DISKS IN THE TUCANA-HOROLOGIUM ASSOCIATION ASTROPHYSICAL JOURNAL Volume: 753 Issue: 2 Article Number: 147 DOI: 10.1088/0004-637X/753/2/147 Published: JUL 10 2012
ESA: Herschel; AKARI; Hipparcos
- 168 "Drahus, M; Jewitt, D; Guilbert-Lepoutre, A; Waniak, W; Sievers, A" THE SOURCES OF HCN AND CH₃OH AND THE ROTATIONAL TEMPERATURE IN COMET 103P/HARTLEY 2 FROM TIME-RESOLVED MILLIMETER SPECTROSCOPY ASTROPHYSICAL JOURNAL Volume: 756 Issue: 1 Article Number: 80 DOI: 10.1088/0004-637X/756/1/80 Published: SEP 1 2012
IRAM: 30m
- 169 "Eckart, A.; Garcia-Marin, M.; Vogel, S. N.; Teuben, P.; Morris, M. R.; Baganoff, F.; Dexter, J.; Schoedel, R.; Witzel, G.; Valencia-S, M.; Karas, V.; Kunneriath, D.; Straubmeier, C.; Moser, L.; Sabha, N.; Buchholz, R.; Zamaninasab, M.; Muzic, K.; Moultaqa" Millimeter to X-ray flares from Sagittarius A ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A52 DOI: 10.1051/0004-6361/201117779 Published: JAN 2012
ESO (Paranal): VLT/NACO; ESO: APEX/LABOCA
- 170 "Eibe, MT; Cuesta, L; Ullan, A; Perez-Verde, A; Navas, J" Analysis of variations in transit time and transit duration in WASP-3. Evidence of secular perturbations reconsidered MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 423 Issue: 2 Pages: 1381-1389 DOI: 10.1111/j.1365-2966.2012.20962.x Published: JUN 2012
CAHA: 50-cm robotic telescope

171 "Eichner, T; Seitz, S; Bauer, A" Golden gravitational lensing systems from the Sloan Lens ACS Survey - II. SDSS J1430+4105: a precise inner total mass profile from lensing alone MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 427 Issue: 3 Pages: 1918-1939 DOI: 10.1111/j.1365-2966.2012.22003.x Published: DEC 2012 ESA: Hubble/WFPC2/WFC3/ACS

172 "Elvis, M; Hao, H; Civano, F; Brusa, M; Salvato, M; Bongiorno, A; Capak, P; Zamorani, G; Comastri, A; Jahnke, K; Lusso, E; Mainieri, V; Trump, JR; Ho, LC; Aussel, H; Cappelluti, N; Cisternas, M; Frayer, D; Gilli, R; Hasinger, G; Huchra, JP; Impey, CD; Koek" SPECTRAL ENERGY DISTRIBUTIONS OF TYPE 1 ACTIVE GALACTIC NUCLEI IN THE COSMOS SURVEY. I. THE XMM-COSMOS SAMPLE ASTROPHYSICAL JOURNAL Volume: 759 Issue: 1 Article Number: 6 DOI: 10.1088/0004-637X/759/1/6 Published: NOV 1 2012 ESA: XMM-Newton (COSMOS), Hubble; CAHA:¿?

173 "Elyiv, A.; Clerc, N.; Plionis, M.; Surdej, J.; Pierre, M.; Basilakos, S.; Chiappetti, L.; Gandhi, P.; Gosset, E.; Melnyk, O.; Pacaud, F." Angular correlation functions of X-ray point-like sources in the full exposure XMM-LSS field ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A131 DOI: 10.1051/0004-6361/201117983 Published: JAN 2012 ESA: XMM-Newton (XMM-LSS)

174 "Erikson, A.; Santerne, A.; Renner, S.; Barge, P.; Aigrain, S.; Alapini, A.; Almenara, J. -M.; Alonso, R.; Auvergne, M.; Baglin, A.; Benz, W.; Bonomo, A. S.; Borde, P.; Bouchy, F.; Bruntt, H.; Cabrera, J.; Carone, L.; Carpano, S.; Csizmadia, Sz.; Deleuil, " Planetary transit candidates in the CoRoT-SRc01 field ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A14 DOI: 10.1051/0004-6361/201116934 Published: MAR 2012 ESA: CoRoT; ESO (Paranal): VLT/FLAMES/UVES; ESO (La Silla): 3.6m/HARPS; OT: IAC-80

175 "Erroz-Ferrer, S; Knapen, JH; Font, J; Beckman, JE; Falcon-Barroso, J; Sanchez-Gallego, JR; Athanassoula, E; Bosma, A; Gadotti, DA; Munoz-Mateos, JC; Sheth, K; Buta, RJ; Comeron, S; de Paz, AG; Hinz, JL; Ho, LC; Kim, T; Laine, J; Laurikainen, E; Madore, BF" H alpha kinematics of S(4)G spiral galaxies - I. NGC 864 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 427 Issue: 4 Pages: 2938-2949 DOI: 10.1111/j.1365-2966.2012.21768.x Published: DEC 2012 IAC; Unv La Laguna ORM: WHT/ACAM

176 "Ertel, S; Wolf, S; Marshall, JP; Eiroa, C; Augereau, JC; Krivov, AV; Lohne, T; Absil, O; Ardila, D; Arevalo, M; Bayo, A; Bryden, G; del Burgo, C; Greaves, J; Kennedy, G; Lebreton, J; Liseau, R; Maldonado, J; Montesinos, B; Mora, A; Pilbratt, GL; Sanz-Forc" A peculiar class of debris disks from Herschel/DUNES A steep fall off in the far infrared ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A148 DOI: 10.1051/0004-6361/201118077 Published: MAY 2012 ESA: Herschel/PACS

177 "Esquej, P; Alonso-Herrero, A; Perez-Garcia, AM; Pereira-Santaella, M; Rigopoulou, D; Sanchez-Portal, M; Castillo, M; Almeida, CR; Coia, D; Altieri, B; Acosta-Pulido, JA; Conversi, L; Gonzalez-Serrano, JI; Hatziminaoglou, E; Povic, M; Rodriguez-Espinosa, J" The starburst-

active galactic nucleus connection in the merger galaxy Mrk 938: an infrared and X-ray view
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 423
Issue: 1 Pages: 185-196 DOI: 10.1111/j.1365-2966.2012.20779.x Published: JUN 2012
CAB (INTA-CSIC)
ESA: Herschel, XMM-Newton

178 "Estalella, R; Lopez, R; Anglada, G; Gomez, G; Riera, A; Carrasco-Gonzalez, C" THE
COUNTERJET OF HH 30: NEW LIGHT ON ITS BINARY DRIVING SOURCE
ASTRONOMICAL JOURNAL Volume: 144 Issue: 2 Article Number: 61 DOI:
10.1088/0004-6256/144/2/61 Published: AUG 2012
IEEC-UB
ORM: INT, NOT, WHT

179 "Evans, A; Gehrz, RD; Helton, LA; Starrfield, S; Bode, MF; Osborne, JP; Banerjee, DPK;
Ness, JU; Walter, FM; Woodward, CE; Kuulkers, E; Eyres, SPS; Oliveira, JM; Ashok, NM;
Krautter, J; O'Brien, TJ; Page, KL; Rushton, MT" Infrared observations of the recurrent nova T
Pyxidis: ancient dust basks in the warm glow of the 2011 outburst MONTHLY NOTICES OF THE
ROYAL ASTRONOMICAL SOCIETY Volume: 424 Issue: 1 Pages: L69-L73 DOI:
10.1111/j.1745-3933.2012.01289.x Published: JUL 2012
ESA: Herschel

180 "Fabian, A. C.; Zoghbi, A.; Wilkins, D.; Dwelly, T.; Uttley, P.; Schartel, N.; Miniutti, G.;
Gallo, L.; Grupe, D.; Komossa, S.; Santos-Lleo, M." 1H 0707-495 in 2011: an X-ray source
within a gravitational radius of the event horizon MONTHLY NOTICES OF THE ROYAL
ASTRONOMICAL SOCIETY Volume: 419 Issue: 1 Pages: 116-123 DOI:
10.1111/j.1365-2966.2011.19676.x Published: JAN 2012
ESA: XMM-Newton

181 "Fabrizio, M; Merle, T; Thevenin, F; Nonino, M; Bono, G; Stetson, PB; Ferraro, I;
Iannicola, G; Monelli, M; Walker, AR; Buonanno, R; Caputo, F; Corsi, CE; Dall'Ora, M;
Degl'Innocenti, S; Francois, P; Gilmozzi, R; Marconi, M; Pietrinferni, A; Moroni, PGP; P" The
Carina Project. V. The Impact of NLTE Effects on the Iron Content PUBLICATIONS OF
THE ASTRONOMICAL SOCIETY OF THE PACIFIC Volume: 124 Issue: 916 Pages: 519-
534 DOI: 10.1086/666480 Published: JUN 2012
ESO (Paranal): VLT/UVES

182 "Falocco, S.; Carrera, F. J.; Corral, A.; Laird, E.; Nandra, K.; Barcons, X.; Page, M. J.;
Digby-North, J." Averaging the AGN X-ray spectra from deep Chandra fields
ASTRONOMY & ASTROPHYSICS Volume: 538 Article Number: A83 DOI:
10.1051/0004-6361/201117965 Published: FEB 2012
IFCA (CSIC-UC)
ESA: Hubble (AEGIS)

183 "Fang, M.; van Boekel, R.; King, R. R.; Henning, Th.; Bouwman, J.; Doi, Y.; Okamoto, Y.
K.; Roccatagliata, V.; Sicilia-Aguilar, A." Star formation and disk properties in Pismis 24
ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A119 DOI:
10.1051/0004-6361/201015914 Published: MAR 2012
ESO (Paranal): VLT/VIMOS; ESA: Hubble

- 184 "Fasano, G.; Vanzella, E.; Dressler, A.; Poggianti, B. M.; Moles, M.; Bettoni, D.; Valentinuzzi, T.; Moretti, A.; D'Onofrio, M.; Varela, J.; Couch, W. J.; Kjaergaard, P.; Fritz, J.; Omizzolo, A.; Cava, A." Morphology of galaxies in the WINGS clusters MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 420 Issue: 2 Pages: 926-948 DOI: 10.1111/j.1365-2966.2011.19798.x Published: FEB 2012
ESO (La Silla): MPG 2.2m/WFI; ORM: INT/WFC
- 185 "Fernandez-Martin, A; Martin-Gordon, D; Vilchez, JM; Montero, EP; Riera, A; Sanchez, SF" Ionization structure and chemical abundances of the Wolf-Rayet nebula NGC6888 with integral field spectroscopy ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A119 DOI: 10.1051/0004-6361/201118421 Published: MAY 2012
IAA-CSIC
CAHA: 3.5m/PMAS; ORM: INT/WFC
- 186 "Ferre-Mateu, A; Vazdekis, A; Trujillo, I; Sanchez-Blazquez, P; Ricciardelli, E; de la Rosa, IG" Young ages and other intriguing properties of massive compact galaxies in the local Universe MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 423 Issue: 1 Pages: 632-646 DOI: 10.1111/j.1365-2966.2012.20897.x Published: JUN 2012
IAC; Unv La Laguna
ORM: WHT/ISIS
- 187 "Ferrero, R. Freire; Duran, C. Morales; Halbwachs, J. -L.; Cubeiro, A. M. Cabo" HIGH IONIZATION SPECIES IN THE NEARBY INTERSTELLAR MEDIUM FROM AN EXHAUSTIVE ANALYSIS OF THE IUE INES DATABASE ASTRONOMICAL JOURNAL Volume: 143 Issue: 2 Article Number: 28 DOI: 10.1088/0004-6256/143/2/28 Published: FEB 2012
ESA: IUE
- 188 "Filgas, R; Greiner, J; Schady, P; Postigo, AD; Oates, SR; Nardini, M; Kruhler, T; Panaitescu, A; Kann, DA; Klose, S; Afonso, PMJ; Allen, WH; Castro-Tirado, AJ; Christie, GW; Dong, S; Elliott, J; Natusch, T; Guelbenzu, AN; Olivares, EF; Rau, A; Rossi, A; S" GRB 091029: at the limit of the fireball scenario ASTRONOMY & ASTROPHYSICS Volume: 546 Article Number: A101 DOI: 10.1051/0004-6361/201219583 Published: OCT 2012
ESO (La Silla): MPG 2.2m/GROND
- 189 "Fischer, WJ; Megeath, ST; Tobin, JJ; Stutz, AM; Ali, B; Remming, I; Kounkel, M; Stanke, T; Osorio, M; Henning, T; Manoj, P; Wilson, TL" MULTIWAVELENGTH OBSERVATIONS OF V2775 Ori, AN OUTBURSTING PROTOSTAR IN L 1641: EXPLORING THE EDGE OF THE FU ORIONIS REGIME ASTROPHYSICAL JOURNAL Volume: 756 Issue: 1 Article Number: 99 DOI: 10.1088/0004-637X/756/1/99 Published: SEP 1 2012
ESA: Hubble, Herschel/PACS; ESO: APEX/LABOCA
- 190 "Fleming, SW; Ge, J; Barnes, R; Beatty, TG; Crepp, JR; De Lee, N; Esposito, M; Femenia, B; Ferreira, L; Gary, B; Gaudi, BS; Ghezzi, L; Hernandez, JIG; Hebb, L; Jiang, P; Lee, B; Nelson, B; De Mello, GFP; Shappee, BJ; Stassun, K; Thompson, TA; Tofflemire, B" VERY LOW MASS STELLAR AND SUBSTELLAR COMPANIONS TO SOLAR-LIKE STARS FROM

MARVELS. II. A SHORT-PERIOD COMPANION ORBITING AN F STAR WITH EVIDENCE OF A STELLAR TERTIARY AND SIGNIFICANT MUTUAL INCLINATION
ASTRONOMICAL JOURNAL Volume: 144 Issue: 3 Article Number: 72 DOI:
10.1088/0004-6256/144/3/72 Published: SEP 2012
ORM: TNG; SuperWasp; OT: TCS

191 "Fletcher, LN; Hesman, BE; Achterberg, RK; Irwin, PGJ; Bjoraker, G; Gorius, N; Hurley, J; Sinclair, J; Orton, GS; Legarreta, J; Garcia-Melendo, E; Sanchez-Lavega, A; Read, PL; Simon-Miller, AA; Flasar, FM" The origin and evolution of Saturn's 2011-2012 stratospheric vortex
ICARUS Volume: 221 Issue: 2 Pages: 560-586 DOI: 10.1016/j.icarus.2012.08.024
Published: NOV-DEC 2012
ESA: Cassini/CIRS; ESO (Paranal): VLT/VISIR

192 "Fleuren, S; Sutherland, W; Dunne, L; Smith, DJB; Maddox, SJ; Gonzalez-Nuevo, J; Findlay, J; Auld, R; Baes, M; Bond, NA; Bonfield, DG; Bourne, N; Cooray, A; Buttiglione, S; Cava, A; Dariush, A; De Zotti, G; Driver, SP; Dye, S; Eales, S; Fritz, J; Gunawardh" Herschel-ATLAS: VISTA VIKING near-infrared counterparts in the Phase 1 GAMA 9-h data
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 423
Issue: 3 Pages: 2407-2424 DOI: 10.1111/j.1365-2966.2012.21048.x Published: JUL 2012
ESA: Herschel; ESO (Paranal): VISTA

193 "Florido, E; Perez, I; Zurita, A; Sanchez-Blazquez, P" Ionised gas abundances in barred spiral galaxies
ASTRONOMY & ASTROPHYSICS Volume: 543 Article Number: A150
DOI: 10.1051/0004-6361/201118292 Published: JUL 2012
Univ Granada
ORM: INT

194 "Folkes, SL; Pinfield, DJ; Jones, HRA; Kurtev, R; Zhang, Z; Galvez-Ortiz, MC; Marocco, F; Day-Jones, AC; Clarke, JRA" Identifying ultra-cool dwarfs at low Galactic latitudes: a southern candidate catalogue
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 427 Issue: 4 Pages: 3280-3319 DOI: 10.1111/j.1365-2966.2012.21132.x Published: DEC 2012
ESO (La Silla): NTT/SOFI; ESA: Hipparcos

195 "Foschini, L; Angelakis, E; Fuhrmann, L; Ghisellini, G; Hovatta, T; Lahteenmaki, A; Lister, ML; Braito, V; Gallo, L; Hamilton, TS; Kino, M; Komossa, S; Pushkarev, AB; Thompson, DJ; Tibolla, O; Tramacere, A; Carraminana, A; Carrasco, L; Falcone, A; Girolett" Radio-to-gamma-ray monitoring of the narrow-line Seyfert 1 galaxy PMN J0948+0022 from 2008 to 2011
ASTRONOMY & ASTROPHYSICS Volume: 548 Article Number: A106 DOI:
10.1051/0004-6361/201220225 Published: DEC 2012
IRAM: 30m

196 "Frau, P.; Girart, J. M.; Beltran, M. T." Chemical differentiation toward the Pipe nebula starless cores
ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: L9
DOI: 10.1051/0004-6361/201118612 Published: JAN 2012
ICC (IEEC-CSIC)
IRAM: 30m

- 197 "Frau, P; Girart, JM; Beltran, MT; Padovani, M; Busquet, G; Morata, O; Masque, JM; Alves, FO; Sanchez-Monge, A; Franco, GAP; Estalella, R" YOUNG STARLESS CORES EMBEDDED IN THE MAGNETICALLY DOMINATED PIPE NEBULA. II. EXTENDED DATA SET ASTROPHYSICAL JOURNAL Volume: 759 Issue: 1 Article Number: 3 DOI: 10.1088/0004-637X/759/1/3 Published: NOV 1 20
ICE (CSIC-IEEC)
IRAM: 30m
- 198 "Frohlich, HE; Frasca, A; Catanzaro, G; Bonanno, A; Corsaro, E; Molenda-Zakowicz, J; Klutsch, A; Montes, D" Magnetic activity and differential rotation in the young Sun-like stars KIC 7985370 and KIC 7765135 ASTRONOMY & ASTROPHYSICS Volume: 543 Article Number: A146 DOI: 10.1051/0004-6361/201219167 Published: JUL 2012
ORM: TNG; CAHA: 2.2m/FOCES
- 199 "Frye, BL; Hurley, M; Bowen, DV; Meurer, G; Sharon, K; Straughn, A; Coe, D; Broadhurst, T; Guhathakurta, P" SPATIALLY RESOLVED HST GRISM SPECTROSCOPY OF A LENSED EMISSION LINE GALAXY AT z similar to 1 ASTROPHYSICAL JOURNAL Volume: 754 Issue: 1 Article Number: 17 DOI: 10.1088/0004-637X/754/1/17 Published: JUL 20 2012
ESA: Hubble/ACS; ORM: NOT
- 200 "Fu, H; Jullo, E; Cooray, A; Bussmann, RS; Ivison, RJ; Perez-Fournon, I; Djorgovski, SG; Scoville, N; Yan, L; Riechers, DA; Aguirre, J; Auld, R; Baes, M; Baker, AJ; Bradford, M; Cava, A; Clements, DL; Dannerbauer, H; Dariush, A; De Zotti, G; Dole, H; Dunne" A COMPREHENSIVE VIEW OF A STRONGLY LENSED PLANCK-ASSOCIATED SUBMILLIMETER GALAXY ASTROPHYSICAL JOURNAL Volume: 753 Issue: 2 Article Number: 134 DOI: 10.1088/0004-637X/753/2/134 Published: JUL 10 2012
ORM: WHT; ESA: Herschel; IRAM: 30m/MAMBO; ESO: APEX/LABOCA
- 201 "Fuente, A.; Caselli, P.; McCoey, C.; Cernicharo, J.; Johnstone, D.; Fich, M.; van Kempen, T.; van Dishoeck, E.; Yildiz, U.; Visser, R.; Kristensen, L.; Alonso-Albi, T.; Herpin, F.; Tisi, S." The abundance of (CO)-O-18 and HDO in the envelope and hot core of the intermediate mass protostar NGC 7129 FIRS 2 ASTRONOMY & ASTROPHYSICS Volume: 540 Article Number: A75 DOI: 10.1051/0004-6361/201118478 Published: APR 2012
UAH
ESA: Herschel/HIFI
- 202 "Fuente, A; Cernicharo, J; Agundez, M" WARM HCN IN THE PLANET FORMATION ZONE OF GV TAU N ASTROPHYSICAL JOURNAL LETTERS Volume: 754 Issue: 1 Article Number: L6 DOI: 10.1088/2041-8205/754/1/L6 Published: JUL 20 2012
IRAM: PdBI
- 203 "Fuhrmann, K; Chini, R" MULTIPLICITY AMONG F-TYPE STARS ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES Volume: 203 Issue: 2 Article Number: 30 DOI: 10.1088/0067-0049/203/2/30 Published: DEC 2012
ING
ESA: Hipparcos

204 "Fusco, F; Buonanno, R; Bono, G; Cassisi, S; Monelli, M; Pietrinferni, A" Distance and reddening of the Local Group dwarf irregular galaxy NGC 6822 ASTRONOMY & ASTROPHYSICS Volume: 548 Article Number: A129 DOI: 10.1051/0004-6361/201220554 Published: DEC 2012
ESA: Hubble/ACS

205 "Galbany, L; Miquel, R; Ostman, L; Brown, PJ; Cinabro, D; D'Andrea, CB; Frieman, J; Jha, SW; Marriner, J; Nichol, RC; Nordin, J; Olmstead, MD; Sako, M; Schneider, DP; Smith, M; Sollerman, J; Pan, K; Snedden, S; Bizyaev, D; Brewington, H; Malanushenko, E; M" TYPE Ia SUPERNOVA PROPERTIES AS A FUNCTION OF THE DISTANCE TO THE HOST GALAXY IN THE SDSS-II SN SURVEY ASTROPHYSICAL JOURNAL Volume: 755 Issue: 2 Article Number: 125 DOI: 10.1088/0004-637X/755/2/125 Published: AUG 20 2012
UAB
ORM: WHT, NOT, TNG

206 "Gall, EEE; Taubenberger, S; Kromer, M; Sim, SA; Benetti, S; Blanc, G; Elias-Rosa, N; Hillebrandt, W" Interpreting the near-infrared spectra of the 'golden standard' Type Ia supernova 2005cf MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 427 Issue: 2 Pages: 994-1003 DOI: 10.1111/j.1365-2966.2012.21999.x Published: DEC 2012
ESO (Paranal): VLT/ISAAC; ORM: TNG

207 "Gamen, R; Arias, JI; Barba, RH; Morrell, NI; Walborn, NR; Sota, A; Apellaniz, JM; Alfaro, EJ" The discovery of a shell-like event in the O-type star HD 120678 ASTRONOMY & ASTROPHYSICS Volume: 546 Article Number: A92 DOI: 10.1051/0004-6361/201118725 Published: OCT 2012
ESO (La Silla): MPG 2.2m/FEROS

208 "Garcia, F; Combi, JA; Albacete-Colombo, JF; Romero, GE; Bocchino, F; Lopez-Santiago, J" On the origin of the jet-like radio/X-ray morphology of G290.1-0.8 ASTRONOMY & ASTROPHYSICS Volume: 546 Article Number: A91 DOI: 10.1051/0004-6361/201218959 Published: OCT 2012
ESA: XMM-Newton

209 "Garcia-Benito, R; Perez-Montero, E" Auto-consistent metallicity and star formation history of the nearest blue compact dwarf galaxy NGC 6789 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 423 Issue: 1 Pages: 406-421 DOI: 10.1111/j.1365-2966.2012.20885.x Published: JUN 2012
IAA-CSIC
ESA: Hubble/WFPC2; ORM: WHT/ISIS

210 "Garcia-Burillo, S.; Usero, A.; Alonso-Herrero, A.; Gracia-Carpio, J.; Pereira-Santaella, M.; Colina, L.; Planesas, P.; Arribas, S." Star-formation laws in luminous infrared galaxies New observational constraints on models ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A8 DOI: 10.1051/0004-6361/201117838 Published: MAR 2012
OAN-IGN
IRAM: 30m

- 211 "Garcia-Hernandez, DA; Rao, NK; Lambert, DL" HIGH-RESOLUTION OPTICAL SPECTROSCOPY OF DY Cen: DIFFUSE INTERSTELLAR BANDS IN A PROTO-FULLERENE CIRCUMSTELLAR ENVIRONMENT? ASTROPHYSICAL JOURNAL LETTERS Volume: 759 Issue: 1 Article Number: L21 DOI: 10.1088/2041-8205/759/1/L21 Published: NOV 1 2012
IAC; Unv La Laguna
ESO (Paranal): VLT/UVES
- 212 "Gauza, B; Bejar, VJS; Rebolo, R; Ramirez, KP; Osorio, MRZ; Perez-Garrido, A; Lodieu, N; Pinfield, DJ; McMahon, RG; Gonzalez-Solares, E; Emerson, JP; Boudreault, S; Banerji, M" A new L dwarf member of the moderately metal poor triple system HD 221356 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 427 Issue: 3 Pages: 2457-2463 DOI: 10.1111/j.1365-2966.2012.22113.x Published: DEC 2012
IAC; Unv La Laguna
ESO (Paranal): VISTA; OT: IAC80, TCS; ORM: WHT
- 213 "Genzel, R.; Tacconi, L. J.; Combes, F.; Bolatto, A.; Neri, R.; Sternberg, A.; Cooper, M. C.; Bouche, N.; Bournaud, F.; Burkert, A.; Comerford, J.; Cox, P.; Davis, M.; Schreiber, N. M. Foerster; Garcia-Burillo, S.; Gracia-Carpio, J.; Lutz, D.; Naab, T.; Ne" THE METALLICITY DEPENDENCE OF THE CO -> H-2 CONVERSION FACTOR IN $z \geq 1$ STAR-FORMING GALAXIES ASTROPHYSICAL JOURNAL Volume: 746 Issue: 1 Article Number: 69 DOI: 10.1088/0004-637X/746/1/69 Published: FEB 10 2012
IRAM: PdBI
- 214 "Getman, KV; Feigelson, ED; Sicilia-Aguilar, A; Broos, PS; Kuhn, MA; Garmire, GP" The Elephant Trunk Nebula and the Trumpler 37 cluster: contribution of triggered star formation to the total population of an H II region MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 426 Issue: 4 Pages: 2917-2943 DOI: 10.1111/j.1365-2966.2012.21879.x Published: NOV 2012
CAHA: 3.5m/LAICA
- 215 "Gil-Merino, Rodrigo; Goicoechea, Luis J.; Shalyapin, Vyacheslav N.; Braga, Vittorio F." ACCRETION ONTO THE SUPERMASSIVE BLACK HOLE IN THE HIGH-REDSHIFT RADIO-LOUD AGN 0957+561 ASTROPHYSICAL JOURNAL Volume: 744 Issue: 1 Article Number: 47 DOI: 10.1088/0004-637X/744/1/47 Published: JAN 1 2012
Unv Cantabria
ORM: LT
- 216 "Gilmore, RC; Somerville, RS; Primack, JR; Dominguez, A" Semi-analytic modelling of the extragalactic background light and consequences for extragalactic gamma-ray spectra MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 422 Issue: 4 Pages: 3189-3207 DOI: 10.1111/j.1365-2966.2012.20841.x Published: JUN 2012
ORM: MAGIC; ESA: Hubble
- 217 "Ginard, D; Gonzalez-Garcia, M; Fuente, A; Cernicharo, J; Alonso-Albi, T; Pilleri, P; Gerin, M; Garcia-Burillo, S; Ossenkopf, V; Rizzo, JR; Kramer, C; Goicoechea, JR; Pety, J; Berne, O; Joblin, C" Spectral line survey of the ultracompact HII region Monoceros R2

ASTRONOMY & ASTROPHYSICS Volume: 543 Article Number: A27 DOI:
10.1051/0004-6361/201118347 Published: JUL 2012
OAN
IRAM: 30m

218 "Giommi, P; Polenta, G; Lahteenmaki, A; Thompson, DJ; Capalbi, M; Cutini, S; Gasparrini, D; Gonzalez-Nuevo, J; Leon-Tavares, J; Lopez-Caniego, M; Mazziotta, MN; Monte, C; Perri, M; Raino, S; Tosti, G; Tramacere, A; Verrecchia, F; Aller, HD; Aller, MF; Ange" Simultaneous Planck, Swift, and Fermi observations of X-ray and gamma-ray selected blazars ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A160 DOI: 10.1051/0004-6361/201117825 Published: MAY 2012
IRAM: 30m; ESO: APEX/LABOCA; ESA: Planck

219 "Giroletti, M.; Hada, K.; Giovannini, G.; Casadio, C.; Beilicke, M.; Cesarini, A.; Cheung, C. C.; Doi, A.; Krawczynski, H.; Kino, M.; Lee, N. P.; Nagai, H." The kinematic of HST-1 in the jet of M 87 ASTRONOMY & ASTROPHYSICS Volume: 538 Article Number: L10 DOI: 10.1051/0004-6361/201218794 Published: FEB 2012
CAY: 40m (EVN)

220 "Godard, B.; Falgarone, E.; Gerin, M.; Lis, D. C.; De Luca, M.; Black, J. H.; Goicoechea, J. R.; Cernicharo, J.; Neufeld, D. A.; Menten, K. M.; Emprechtinger, M." Comparative study of CH+ and SH+ absorption lines observed towards distant star-forming regions ASTRONOMY & ASTROPHYSICS Volume: 540 Article Number: A87 DOI: 10.1051/0004-6361/201117664 Published: APR 2012
CAB (INTA-CSIC)
ESA: Herschel/HIFI

221 "Goesmann, F; McKenna-Lawlor, S; Roll, R; Bredehoft, JH; Meierhenrich, U; Raulin, F; Thiemann, W; Caro, GMM; Szopa, C" Interpretation of COSAC mass spectrometer data acquired during Rosetta's Lutetia fly-by 10 July 2010 PLANETARY AND SPACE SCIENCE Volume: 66 Issue: 1 Special Issue: SI Pages: 187-191 DOI: 10.1016/j.pss.2012.01.012 Published: JUN 2012
ESA: Rosetta/OSIRIS

222 "Goicoechea, JR; Cernicharo, J; Karska, A; Herczeg, GJ; Polehampton, ET; Wampfler, SF; Kristensen, LE; van Dishoeck, EF; Etxaluze, M; Berne, O; Visser, R" The complete far-infrared and submillimeter spectrum of the Class 0 protostar Serpens SMM1 obtained with Herschel Characterizing UV-irradiated shocks heating and chemistry ASTRONOMY & ASTROPHYSICS Volume: 548 Article Number: A77 DOI: 10.1051/0004-6361/201219912 Published: DEC 2012
CAB (INTA-CSIC)
ESA: Herschel/PACS/SPIRE

223 "Golovin, A.; Galvez-Ortiz, M. C.; Hernan-Obispo, M.; Andreev, M.; Barnes, J. R.; Montes, D.; Pavlenko, E.; Pandey, J. C.; Martinez-Arnaiz, R.; Medhi, B. J.; Parihar, P. S.; Henden, A.; Sergeev, A.; Zaitsev, S. V.; Karpov, N." FR Cnc revisited: photometry, polarimetry and spectroscopy MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 421 Issue: 1 Pages: 132-148 DOI: 10.1111/j.1365-2966.2011.20262.x Published: MAR 2012

ORM: NOT, TNG, INT; CAHA: 2.2m

224 "Gomez de Castro, Ana I.; Marcos-Arenal, Pablo" EXTENDED MAGNETOSPHERES IN PRE-MAIN-SEQUENCE EVOLUTION: FROM T TAURI STARS TO THE BROWN DWARF LIMIT ASTROPHYSICAL JOURNAL Volume: 749 Issue: 2 Article Number: 190 DOI: 10.1088/0004-637X/749/2/190 Published: APR 2012

UCM

ESA: Hubble, IUE

225 "Gondoin, P; Gandolfi, D; Fridlund, M; Frasca, A; Guenther, EW; Hatzes, A; Deeg, HJ; Parviainen, H; Eigmuller, P; Deleuil, M" From CoRoT 102899501 to the Sun A time evolution model of chromospheric activity on the main sequence ASTRONOMY & ASTROPHYSICS Volume: 548 Article Number: A15 DOI: 10.1051/0004-6361/201219101 Published: DEC 2012

ESA: CoRoT; ORM: NOT; INT/WFC

226 "Gonzalez Hernandez, Jonay I.; Rebolo, Rafael; Casares, Jorge" THE FAST SPIRAL-IN OF THE COMPANION STAR TO THE BLACK HOLE XTE J1118+480 ASTROPHYSICAL JOURNAL LETTERS Volume: 744 Issue: 2 Article Number: L25 DOI: 10.1088/2041-8205/744/2/L25 Published: JAN 10 2012

IAC; Unv La Laguna

GTC/OSIRIS

227 "Gonzalez, JGR; Puls, J; Massey, P; Najarro, F" Nitrogen line spectroscopy in O-stars III. The earliest O-stars ASTRONOMY & ASTROPHYSICS Volume: 543 Article Number: A95 DOI: 10.1051/0004-6361/201218955 Published: JUL 2012 NO

ESO (Paranal): VLT/FLAMES; ESA: Hubble

228 "Gonzalez, MJM; Ramos, AA; Sainz, RM; Beck, C; Belluzzi, L" ANOMALOUS CIRCULAR POLARIZATION PROFILES IN THE He I 1083.0 nm MULTIPLET FROM SOLAR SPICULES ASTROPHYSICAL JOURNAL Volume: 759 Issue: 1 Article Number: 16 DOI: 10.1088/0004-637X/759/1/16 Published: NOV 1 2012

IAC; Unv La Laguna

OT: VTT

229 "Gonzalez-Alfonso, E; Fischer, J; Gracia-Carpio, J; Sturm, E; Hailey-Dunsheath, S; Lutz, D; Poglitsch, A; Contursi, A; Feuchtgruber, H; Veilleux, S; Spoon, HWW; Verma, A; Christopher, N; Davies, R; Sternberg, A; Genzel, R; Tacconi, L" Herschel/PACS spectroscopy of NGC 4418 and Arp 220: H₂O, (H₂O)-O-18, OH, (OH)-O-18, OI, HCN, and NH₃ ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A4 DOI: 10.1051/0004-6361/201118029 Published: MAY 2012

UAH

ESA: Herschel/PACS

230 "Gonzalez-Fernandez, C.; Negueruela, I." A third cluster of red supergiants in the vicinity of the massive cluster RSGC3 ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A100 DOI: 10.1051/0004-6361/201118090 Published: MAR 2012

Unv Alicante

ESO (Paranal): VLT/ISAAC

231 "Gonzalez-Fernandez, C; Lopez-Corredoira, M; Amores, EB; Minniti, D; Lucas, P; Toledo, I" The long bar as seen by the VVV survey I. Colour-magnitude diagrams ASTRONOMY & ASTROPHYSICS Volume: 546 Article Number: A107 DOI: 10.1051/0004-6361/201219756 Published: OCT 2012

Unv Alicante

ESO (Paranal): VISTA

232 "Gonzalez-Galan, A.; Kuulkers, E.; Kretschmar, P.; Larsson, S.; Postnov, K.; Kochetkova, A.; Finger, M. H." Spin period evolution of GX 1+4 ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A66 DOI: 10.1051/0004-6361/201117893 Published: JAN 2012

Unv Alicante

ESA: INTEGRAL

233 "Gonzalez-Martin, O; Vaughan, S" X-ray variability of 104 active galactic nuclei XMM-Newton power-spectrum density profiles ASTRONOMY & ASTROPHYSICS Volume: 544 Article Number: A80 DOI: 10.1051/0004-6361/201219008 Published: AUG 2012

IAC; Unv La Laguna

ESA: XMM-Newton

234 "Gonzalez-Nuevo, J.; Lapi, A.; Fleuren, S.; Bressan, S.; Danese, L.; De Zotti, G.; Negrello, M.; Cai, Z. -Y.; Fan, L.; Sutherland, W.; Baes, M.; Baker, A. J.; Clements, L.; Cooray, A.; Dannerbauer, H.; Dunne, L.; Dye, S.; Eales, S.; Frayer, D. T.; Harris, " HERSCHEL-ATLAS: TOWARD A SAMPLE OF similar to 1000 STRONGLY LENSED GALAXIES ASTROPHYSICAL JOURNAL Volume: 749 Issue: 1 Article Number: 65 DOI: 10.1088/0004-637X/749/1/65 Published: APR 10 2012

IFCA (CSIC-UC)

ESA: Herschel; ESO (Paranal): VISTA

235 "Gorbovskoy, E. S.; Lipunova, G. V.; Lipunov, V. M.; Kornilov, V. G.; Belinski, A. A.; Shatskiy, N. I.; Tyurina, N. V.; Kuvshinov, D. A.; Balanutsa, P. V.; Chazov, V. V.; Kuznetsov, A.; Zimmukhov, D. S.; Kornilov, M. V.; Sankovich, A. V.; Krylov, A.; Ivano" Prompt, early and afterglow optical observations of five γ -ray bursts: GRB 100901A, GRB 100902A, GRB 100905A, GRB 100906A and GRB 101020A MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 421 Issue: 3 Pages: 1874-1890 DOI: 10.1111/j.1365-2966.2012.20195.xPublished: APR 2012

ORM: NOT

236 "Goto, M.; Carmona, A.; Linz, H.; Stecklum, B.; Henning, Th.; Meeus, G.; Usuda, T." KINEMATICS OF IONIZED GAS AT 0.01 AU OF TW Hya ASTROPHYSICAL JOURNAL Volume: 748 Issue: 1 Article Number: 6 DOI: 10.1088/0004-637X/748/1/6 Published: MAR 20 2012

ESO (Paranal): VLT/SINFONI

- 237 "Goto, M.; van der Plas, G.; van den Ancker, M.; Dullemond, C. P.; Carmona, A.; Henning, Th.; Meeus, G.; Linz, H.; Stecklum, B." Warm gas at 50 AU in the disk around Herbig Be star HD 100546 ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A81 DOI: 10.1051/0004-6361/201117528 Published: MAR 2012
ESO (Paranal): VLT/CRIRES
- 238 "Goździewski, K; Nasiroglu, I; Slowikowska, A; Beuermann, K; Kanbach, G; Gauza, B; Maciejewski, AJ; Schwarz, R; Schwöpe, AD; Hinse, TC; Haghighipour, N; Burwitz, V; Slonina, M; Rau, A" On the HU Aquarii planetary system hypothesis MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 425 Issue: 2 Pages: 930-949 DOI: 10.1111/j.1365-2966.2012.21341.x Published: SEP 2012
OT: TCS/WFC
- 239 "Gratier, P; Braine, J; Rodriguez-Fernandez, NJ; Schuster, KF; Kramer, C; Corbelli, E; Combes, F; Brouillet, N; van der Werf, PP; Rollig, M" Giant molecular clouds in the Local Group galaxy M33 ASTRONOMY & ASTROPHYSICS Volume: 542 Article Number: A108 DOI: 10.1051/0004-6361/201116612 Published: JUN 2012
IRAM: 30 m
- 240 "Greiss, S; Steeghs, D; Gansicke, BT; Martin, EL; Groot, PJ; Irwin, MJ; Gonzalez-Solares, E; Greimel, R; Knigge, C; Ostensen, RH; Verbeek, K; Drew, JE; Drake, J; Jonker, PG; Ripepi, V; Scaringi, S; Southworth, J; Still, M; Wright, NJ; Farnhill, H; van Haaf" INITIAL DATA RELEASE OF THE KEPLER-INT SURVEY ASTRONOMICAL JOURNAL Volume: 144 Issue: 1 Article Number: 24 DOI: 10.1088/0004-6256/144/1/24 Published: JUL 2012
ORM: INT/WFC
- 241 "Grigahcène, A.; Dupret, M-A; Sousa, S. G.; Monteiro, M. J. P. F. G.; Garrido, R.; Scuflaire, R.; Gabriel, M." Towards an effective asteroseismology of solar-like stars: time-dependent convection effects on pulsation frequencies
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 422 Issue: 1 Pages: L43-L47 DOI: 10.1111/j.1745-3933.2012.01233.x Published: MAY 2012
ESO (La Silla): 3.6m/HARPS
- 242 "Groenewegen, MAT; Barlow, MJ; Blommaert, JADL; Cernicharo, J; Decin, L; Gomez, HL; Hargrave, PC; Kerschbaum, F; Ladjal, D; Lim, TL; Matsuura, M; Olofsson, G; Sibthorpe, B; Swinyard, BM; Ueta, T; Yates, J" An independent distance estimate to CW Leonis
ASTRONOMY & ASTROPHYSICS Volume: 543 Article Number: L8 DOI: 10.1051/0004-6361/201219604 Published: JUL 2012
ESA: Herschel
- 243 "Gruel, N.; Guzman, R.; Cristobal-Hornillos, D.; Sanchez-Blazquez, P." Stellar velocity dispersion of luminous compact galaxies at intermediate redshift MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 420 Issue: 1 Pages: 346-351 DOI: 10.1111/j.1365-2966.2011.20038.x Published: FEB 2012
CEFCA; IAA-CSIC
ESO (Paranal): VLT/FORS

- 244 "Grupe, Dirk; Komossa, S.; Gallo, Luigi C.; Longinotti, Anna Lia; Fabian, Andrew C.; Pradhan, Anil K.; Gruberbauer, Michael; Xu, Dawei" A REMARKABLE LONG-TERM LIGHT CURVE AND DEEP, LOW-STATE SPECTROSCOPY: SWIFT AND XMM-NEWTON MONITORING OF THE NLS1 GALAXY Mkn 335 ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES Volume: 199 Issue: 2 Article Number: 28 DOI: 10.1088/0067-0049/199/2/28 Published: APR 2012
ESA: XMM-Newton
- 245 "Guainazzi, M; La Parola, V; Miniutti, G; Segreto, A; Longinotti, AL" The X-ray variability history of Markarian 3 ASTRONOMY & ASTROPHYSICS Volume: 547 Article Number: A31 DOI: 10.1051/0004-6361/201219946 Published: NOV 2012
ESAC
ESA: XMM-Newton/EPIC, Suzaku
- 246 "Guarcello, MG; Wright, NJ; Drake, JJ; Garcia-Alvarez, D; Drew, JE; Aldcroft, T; Kashyap, VL" OPTICAL PHOTOMETRIC GTC/OSIRIS OBSERVATIONS OF THE YOUNG MASSIVE ASSOCIATION CYGNUS OB2 ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES Volume: 202 Issue: 2 Article Number: 19 DOI: 10.1088/0067-0049/202/2/19 Published: OCT 2012
GTC/OSIRIS
- 247 "Guenther, E. W.; Diaz, R. F.; Gazzano, J. -C.; Mazeh, T.; Rouan, D.; Gibson, N.; Csizmadia, Sz.; Aigrain, S.; Alonso, R.; Almenara, J. M.; Auvergne, M.; Baglin, A.; Barge, P.; Bonomo, A. S.; Borde, P.; Bouchy, F.; Bruntt, H.; Cabrera, J.; Carone, L.; Carp" Transiting exoplanets from the CoRoT space mission XXI. CoRoT-19b: a low density planet orbiting an old inactive F9V-star ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A136 DOI: 10.1051/0004-6361/201117706 Published: JAN 2012
ESA: CoRoT; ORM: NOT/FIES; ESO (La Silla): 3.6m/HARPS
- 248 "Guerrero, M. A.; Miranda, L. F." NGC 6778: a disrupted planetary nebula around a binary central star ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A47 DOI: 10.1051/0004-6361/201117923 Published: MAR 2012
IAA-CSIC
ORM: NOT/ALFOSC, TNG
- 249 "Guerrero, MA; Ruiz, N; Hamann, WR; Chu, YH; Todt, H; Schonberner, D; Oskinova, L; Gruendl, RA; Steffen, M; Blair, WP; Toala, JA" REBIRTH OF X-RAY EMISSION FROM THE BORN-AGAIN PLANETARY NEBULA A30 ASTROPHYSICAL JOURNAL Volume: 755 Issue: 2 Article Number: 129 DOI: 10.1088/0004-637X/755/2/129 Published: AUG 20 2012
IAA-CSIC
ESA: Hubble, XMM-Newton; ESO (Paranal): VLT
- 250 "Guillard, P.; Boulanger, F.; des Forets, G. Pineau; Falgarone, E.; Gusdorf, A.; Cluver, M. E.; Appleton, P. N.; Lisenfeld, U.; Duc, P. -A.; Ogle, P. M.; Xu, C. K." TURBULENT MOLECULAR GAS AND STAR FORMATION IN THE SHOCKED INTERGALACTIC MEDIUM OF STEPHAN'S QUINTET ASTROPHYSICAL JOURNAL Volume: 749 Issue: 2 Article Number: 158 DOI: 10.1088/0004-637X/749/2/158 Published: APR 2012

IRAM: 30m; ESO: APEX

251 "Gupta, AC; Krichbaum, TP; Wiita, PJ; Rani, B; Sokolovsky, KV; Mohan, P; Mangalam, A; Marchili, N; Fuhrmann, L; Agudo, I; Bach, U; Bachev, R; Bottcher, M; Gabanyi, KE; Gaur, H; Hawkins, K; Kimeridze, GN; Kurtanidze, OM; Kurtanidze, SO; Lee, CU; Liu, X; McB"
Multiwavelength intraday variability of the BL Lacertae S5 0716+714 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 425 Issue: 2 Pages: 1357-1370
DOI: 10.1111/j.1365-2966.2012.21550.x Published: SEP 2012

IRAM: 30m

252 "Guzman, V; Pety, J; Gratier, P; Goicoechea, JR; Gerin, M; Roueff, E; Teyssier, D" The IRAM-30m line survey of the Horsehead PDR I. CF+ as a tracer of C+ and as a measure of the fluorine abundance ASTRONOMY & ASTROPHYSICS Volume: 543 Article Number: L1 DOI: 10.1051/0004-6361/201219449 Published: JUL 2012

IRAM: 30m

253 "Haberl, F; Sturm, R; Ballet, J; Bomans, DJ; Buckley, DAH; Coe, MJ; Corbet, R; Ehle, M; Filipovic, MD; Gilfanov, M; Hatzidimitriou, D; La Palombara, N; Mereghetti, S; Pietsch, W; Snowden, S; Tiengo, A" The XMM-Newton survey of the Small Magellanic Cloud ASTRONOMY & ASTROPHYSICS Volume: 545 Article Number: A128 DOI: 10.1051/0004-6361/201219758 Published: SEP 2012

ESA: XMM-Newton

254 "Hadasch, D.; Torres, D. F.; Tanaka, T.; Corbet, R. H. D.; Hill, A. B.; Dubois, R.; Dubus, G.; Glanzman, T.; Corbel, S.; Li, J.; Chen, Y. P.; Zhang, S.; Caliandro, G. A.; Kerr, M.; Richards, J. L.; Max-Moerbeck, W.; Readhead, A.; Pooley, G." LONG-TERM MONITORING OF THE HIGH-ENERGY gamma-RAY EMISSION FROM LS I+61 degrees 303 AND LS 5039 ASTROPHYSICAL JOURNAL Volume: 749 Issue: 1 Article Number: 54 DOI: 10.1088/0004-637X/749/1/54 Published: APR 10 2012

IIEC-CSIC

ORM: MAGIC

255 "Hailey-Dunsheath, S; Sturm, E; Fischer, J; Sternberg, A; Gracia-Carpio, J; Davies, R; Gonzalez-Alfonso, E; Mark, D; Poglitsch, A; Contursi, A; Genzel, R; Lutz, D; Tacconi, L; Veilleux, S; Verma, A; de Jong, JA" HERSCHEL-PACS OBSERVATIONS OF FAR-IR CO LINE EMISSION IN NGC 1068: HIGHLY EXCITED MOLECULAR GAS IN THE CIRCUMNUCLEAR DISK ASTROPHYSICAL JOURNAL Volume: 755 Issue: 1 Article Number: 57 DOI: 10.1088/0004-637X/755/1/57 Published: AUG 10 2012

ESA: Herschel; IIRAM: PdBI; ESO (Paranal) VLT/SINFONI

256 "Hainaut, O. R.; Kleyna, J.; Sarid, G.; Hermalyn, B.; Zenn, A.; Meech, K. J.; Schultz, P. H.; Hsieh, H.; Trancho, G.; Pittichova, J.; Yang, B." P/2010 A2 LINEAR I. An impact in the asteroid main belt ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A69 DOI: 10.1051/0004-6361/201118147 Published: JAN 2012

ESO (La Silla): NTT/EFOSC2

257 "Handler, G; Shobbrook, RR; Uytterhoeven, K; Briquet, M; Neiner, C; Tshenye, T; Ngwato, B; van Winckel, H; Guggenberger, E; Raskin, G; Rodriguez, E; Mazumdar, A; Barban, C; Lorenz, D; Vandenbussche, B; Sahin, T; Medupe, R; Aerts, C" A multisite photometric study of two unusual beta Cep stars: the magnetic V2052 Oph and the massive rapid rotator V986 Oph MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 424 Issue: 3 Pages: 2380-2391 DOI: 10.1111/j.1365-2966.2012.21414.x Published: AUG 2012 ORM: Mercator

258 "Harris, AI; Baker, AJ; Frayer, DT; Smail, I; Swinbank, AM; Riechers, DA; van der Werf, PP; Auld, R; Baes, M; Busmann, RS; Buttiglione, S; Cava, A; Clements, DL; Cooray, A; Dannerbauer, H; Dariush, A; De Zotti, G; Dunne, L; Dye, S; Eales, S; Fritz, J; Gon" BLIND DETECTIONS OF CO J=1-0 IN 11 H-ATLAS GALAXIES AT $z=2.1-3.5$ WITH THE GBT/ZPECTROMETER ASTROPHYSICAL JOURNAL Volume: 752 Issue: 2 Article Number: 152 DOI: 10.1088/0004-637X/752/2/152 Published: JUN 20 2012 ESA: Herschel/SPIRE

259 "Harrison, CD; Miller, CJ; Richards, JW; Lloyd-Davies, EJ; Hoyle, B; Romer, AK; Mehrrens, N; Hilton, M; Stott, JP; Capozzi, D; Collins, CA; Deadman, PJ; Liddle, AR; Sahlen, M; Stanford, SA; Viana, PTP" THE XMM CLUSTER SURVEY: THE STELLAR MASS ASSEMBLY OF FOSSIL GALAXIES ASTROPHYSICAL JOURNAL Volume: 752 Issue: 1 Article Number: 12 DOI: 10.1088/0004-637X/752/1/12 Published: JUN 10 2012 ESA: XMM-Newton

260 "Harrison, CM; Alexander, DM; Mullaney, JR; Altieri, B; Coia, D; Charmandaris, V; Daddi, E; Dannerbauer, H; Dasyra, K; Del Moro, A; Dickinson, M; Hickox, RC; Ivison, RJ; Kartaltepe, J; Le Floch, E; Leiton, R; Magnelli, B; Popesso, P; Rovilos, E; Rosario, " NO CLEAR SUBMILLIMETER SIGNATURE OF SUPPRESSED STAR FORMATION AMONG X-RAY LUMINOUS ACTIVE GALACTIC NUCLEI ASTROPHYSICAL JOURNAL LETTERS Volume: 760 Issue: 1 Article Number: L15 DOI: 10.1088/2041-8205/760/1/L15 Published: NOV 20 2012 ESA: Herschel/SPIRE

261 "Harvey, Paul M.; Henning, Thomas; Menard, Francois; Wolf, Sebastian; Liu, Yao; Cieza, Lucas A.; Evans, Neal J., II; Pascucci, Ilaria; Merin, Bruno; Pinte, Christophe" A HERSCHEL SEARCH FOR COLD DUST IN BROWN DWARF DISKS: FIRST RESULTS ASTROPHYSICAL JOURNAL LETTERS Volume: 744 Issue: 1 Article Number: L1 DOI: 10.1088/2041-8205/744/1/L1 Published: JAN 1 2012 ESA: Herschel

262 "Haswell, CA; Fossati, L; Ayres, T; France, K; Froning, CS; Holmes, S; Kolb, UC; Busuttil, R; Street, RA; Hebb, L; Cameron, AC; Enoch, B; Burwitz, V; Rodriguez, J; West, RG; Pollacco, D; Wheatley, PJ; Carter, A" NEAR-ULTRAVIOLET ABSORPTION, CHROMOSPHERIC ACTIVITY, AND STAR-PLANET INTERACTIONS IN THE WASP-12 SYSTEM ASTROPHYSICAL JOURNAL Volume: 760 Issue: 1 Article Number: 79 DOI: 10.1088/0004-637X/760/1/79 Published: NOV 20 2012 ESA: Hubble

- 263 "Hayashida, M; Madejski, GM; Nalewajko, K; Sikora, M; Wehrle, AE; Ogle, P; Collmar, W; Larsson, S; Fukazawa, Y; Itoh, R; Chiang, J; Stawarz, L; Blandford, RD; Richards, JL; Max-Moerbeck, W; Readhead, A; Buehler, R; Cavazzuti, E; Ciprini, S; Gehrels, N; Rei" THE STRUCTURE AND EMISSION MODEL OF THE RELATIVISTIC JET IN THE QUASAR 3C 279 INFERRED FROM RADIO TO HIGH-ENERGY gamma-RAY OBSERVATIONS IN 2008-2010 ASTROPHYSICAL JOURNAL Volume: 754 Issue: 2 Article Number: 114 DOI: 10.1088/0004-637X/754/2/114 Published: AUG 1 2012
ESA: XMM-Newton; Suzaku; CAHA: 2.2m; ORM: KVA; LT
- 264 "Henault-Brunet, V.; Oskinova, L. M.; Guerrero, M. A.; Sun, W.; Chu, Y. -H.; Evans, C. J.; Gallagher, J. S., III; Gruendl, R. A.; Reyes-Iturbide, J." Discovery of a Be/X-ray pulsar binary and associated supernova remnant in the Wing of the Small Magellanic Cloud MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 420 Issue: 1 Pages: L13-L17 DOI: 10.1111/j.1745-3933.2011.01183.x Published: FEB 2012
ESA: XMM-Newton; ESO (Paranal): VLT/FLAMES
- 265 "Henault-Brunet, V; Evans, CJ; Sana, H; Gieles, M; Bastian, N; Apellaniz, JM; Markova, N; Taylor, WD; Bressert, E; Crowther, PA; van Loon, JT" The VLT-FLAMES Tarantula Survey VII. A low velocity dispersion for the young massive cluster R136 ASTRONOMY & ASTROPHYSICS Volume: 546 Article Number: A73 DOI: 10.1051/0004-6361/201219471
Published: OCT 2012
ESO (Paranal). VLT/FLAMES
- 266 "Henault-Brunet, V; Gieles, M; Evans, CJ; Sana, H; Bastian, N; Apellaniz, JM; Taylor, WD; Markova, N; Bressert, E; de Koter, A; van Loon, JT" The VLT-FLAMES Tarantula Survey VI. Evidence for rotation of the young massive cluster R136 ASTRONOMY & ASTROPHYSICS Volume: 545 Article Number: L1 DOI: 10.1051/0004-6361/201219472
Published: SEP 2012
ESO (Paranal): VLT/FLAMES
- 267 "Hennemann, M; Motte, F; Schneider, N; Didelon, P; Hill, T; Arzoumanian, D; Bontemps, S; Csengeri, T; Andre, P; Konyves, V; Louvet, F; Marston, A; Men'shchikov, A; Minier, V; Luong, QN; Palmeirim, P; Peretto, N; Sauvage, M; Zavagno, A; Anderson, LD; Bernar" The spine of the swan: a Herschel study of the DR21 ridge and filaments in Cygnus X ASTRONOMY & ASTROPHYSICS Volume: 543 Article Number: L3 DOI: 10.1051/0004-6361/201219429
Published: JUL 2012
ESA: Herschel
- 268 "Henze, M; Pietsch, W; Haberl, F; Hernanz, M; Sala, G; Della Valle, M; Stiele, H" M31N 2008-05d: a M 31 disk nova with a dipping supersoft X-ray light curve ASTRONOMY & ASTROPHYSICS Volume: 544 Article Number: A44 DOI: 10.1051/0004-6361/201219488
Published: AUG 2012
ESA: XMM-Newton
- 269 "Hermes, JJ; Kilic, M; Brown, WR; Winget, DE; Prieto, CA; Gianninas, A; Mukadam, AS; Cabrera-Lavers, A; Kenyon, SJ" RAPID ORBITAL DECAY IN THE 12.75-MINUTE BINARY WHITE DWARF J0651+2844 ASTROPHYSICAL JOURNAL LETTERS Volume:

757 Issue: 2 Article Number: L21 DOI: 10.1088/2041-8205/757/2/L21 Published: OCT 1 2012
GTC/OSIRIS

270 Hernan-Caballero, A Automated measurement of redshifts from mid-infrared low-resolution spectroscopy MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 427 Issue: 1 Pages: 816-827 DOI: 10.1111/j.1365-2966.2012.22047.x
Published: NOV 2012
IFCA (CSIC-UC)
ESA: ISO, AKARI

271 "Hernandez, JIG; Ruiz-Lapuente, P; Tabernero, HM; Montes, D; Canal, R; Mendez, J; Bedin, LR" No surviving evolved companions of the progenitor of SN 1006 NATURE Volume: 489 Issue: 7417 Pages: 533-536 DOI: 10.1038/nature11447 Published: SEP 27 2012
IAC; Unv La Laguna
ESO (Paranal): VLT/UVES

272 "Hernandez-Pajares, M; Garcia-Rigo, A; Juan, JM; Sanz, J; Monte, E; Aragon-Angel, A" GNSS measurement of EUV photons flux rate during strong and mid solar flares SPACE WEATHER-THE INTERNATIONAL JOURNAL OF RESEARCH AND APPLICATIONS Volume: 10 Article Number: S12001 DOI: 10.1029/2012SW000826 Published: DEC 12 2012
UPC
ESA: Soho

273 "Herrero, A; Garcia, M; Puls, J; Uytterhoeven, K; Najarro, F; Lennon, DJ; Rivero-Gonzalez, JG" A peculiar Of star in the Local Group galaxy IC 1613 ASTRONOMY & ASTROPHYSICS Volume: 543 Article Number: A85 DOI: 10.1051/0004-6361/201118383
Published: JUL 2012 "IAC; Unv La Laguna" ESO (Paranal): VLT/VIMOS

274 "Herzberg, W; Uytterhoeven, K; Roth, M" Ground-based multi-color photometry of the ? Doradus-d Scuti hybrid star KIC 6761539 ASTRONOMISCHE NACHRICHTEN Volume: 333 Issue: 10 Special Issue: SI Pages: 1077-1079 DOI: 10.1002/asna.201211818 Published: DEC 2012
OT: IAC80/CAMELOT

275 "Hilton, M; Conselice, CJ; Roseboom, IG; Burgarella, D; Buat, V; Berta, S; Bethermin, M; Bock, J; Chapman, SC; Clements, DL; Conley, A; Conversi, L; Cooray, A; Farrah, D; Ibar, E; Magdis, G; Magnelli, B; Marsden, G; Nordon, R; Oliver, SJ; Page, MJ; Popesso" Herschel observations of a z similar to 2 stellar mass selected galaxy sample drawn from the GOODS NICMOS Survey MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 425 Issue: 1 Pages: 540-555 DOI: 10.1111/j.1365-2966.2012.21499.x Published: SEP 2012
ESA: Hubble

276 "Hilton, M; Romer, AK; Kay, ST; Mehrrens, N; Lloyd-Davies, EJ; Thomas, PA; Short, CJ; Mayers, JA; Rooney, PJ; Stott, JP; Collins, CA; Harrison, CD; Hoyle, B; Liddle, AR; Mann, RG; Miller, CJ; Sahlen, M; Viana, PTP; Davidson, M; Hosmer, M; Nichol, RC; Sabir" The XMM Cluster Survey: evidence for energy injection at high redshift from evolution of the X-ray

luminosity-temperature relation MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 424 Issue: 3 Pages: 2086-2096 DOI: 10.1111/j.1365-2966.2012.21359.x Published: AUG 2012
ESA: XMM-Newton

277 "Hjorth, J; Malesani, D; Jakobsson, P; Jaunsen, AO; Fynbo, JPU; Gorosabel, J; Kruhler, T; Levan, AJ; Michalowski, MJ; Milvang-Jensen, B; Moller, P; Schulze, S; Tanvir, NR; Watson, D" THE OPTICALLY UNBIASED GAMMA-RAY BURST HOST (TOUGH) SURVEY. I. SURVEY DESIGN AND CATALOGS ASTROPHYSICAL JOURNAL Volume: 756 Issue: 2 Article Number: 187 DOI: 10.1088/0004-637X/756/2/187 Published: SEP 10 2012
ESO (Paranal): VLT/FORS1/FORS2/ISAAC/X-Shooter

278 "Ho, S; Cuesta, A; Seo, HJ; de Putter, R; Ross, AJ; White, M; Padmanabhan, N; Saito, S; Schlegel, DJ; Schlafly, E; Seljak, U; Hernandez-Monteagudo, C; Sanchez, AG; Percival, WJ; Blanton, M; Skibba, R; Schneider, D; Reid, B; Mena, O; Viel, M; Eisenstein, DJ" CLUSTERING OF SLOAN DIGITAL SKY SURVEY III PHOTOMETRIC LUMINOUS GALAXIES: THE MEASUREMENT, SYSTEMATICS, AND COSMOLOGICAL IMPLICATIONS ASTROPHYSICAL JOURNAL Volume: 761 Issue: 1 Article Number: 14 DOI: 10.1088/0004-637X/761/1/14 Published: DEC 10 2012
ESA: Hubble

279 "Hollenbach, D; Kaufman, MJ; Neufeld, D; Wolfire, M; Goicoechea, JR" THE CHEMISTRY OF INTERSTELLAR OH⁺, H₂O⁺, AND H₃O⁺: INFERRING THE COSMIC-RAY IONIZATION RATES FROM OBSERVATIONS OF MOLECULAR IONS ASTROPHYSICAL JOURNAL Volume: 754 Issue: 2 Article Number: 105 DOI: 10.1088/0004-637X/754/2/105 Published: AUG 1 2012
ESA: Herschel

280 "Honig, SF; Kishimoto, M; Antonucci, R; Marconi, A; Prieto, MA; Tristram, K; Weigelt, G" PARSEC-SCALE DUST EMISSION FROM THE POLAR REGION IN THE TYPE 2 NUCLEUS OF NGC 424 ASTROPHYSICAL JOURNAL Volume: 755 Issue: 2 Article Number: 149 DOI: 10.1088/0004-637X/755/2/149 Published: AUG 20 2012
ESO (Paranal): VLT/ISAAC, VLT/MIDI

281 "Houdebine, ER; Butler, CJ; Garcia-Alvarez, D; Telting, J" Observation and modelling of main-sequence star chromospheres - XIX. FIES and FEROS observations of dM1 stars MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 426 Issue: 2 Pages: 1591-1605 DOI: 10.1111/j.1365-2966.2012.21787.x Published: OCT 2012
ORM: NOT/FIES; ESO (La Silla): MPG 2.2m/FEROS; ESA: Hipparcos

282 "Hoyos, Carlos; Aragon-Salamanca, Alfonso; Gray, Meghan E.; Maltby, David T.; Bell, Eric F.; Barazza, Fabio D.; Boehm, Asmus; Haeussler, Boris; Jahnke, Knud; Jogee, Shardha; Lane, Kyle P.; McIntosh, Daniel H.; Wolf, Christian" A new automatic method to identify galaxy mergers - I. Description and application to the Space Telescope A901/902 Galaxy Evolution Survey MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 419 Issue: 3 Pages: 2703-2724 DOI: 10.1111/j.1365-2966.2011.19918.x Published: JAN 2012
UAM
ESA: Hubble/ACS, XMM-Newton

- 283 "Huber, D; Ireland, MJ; Bedding, TR; Brandao, IM; Piau, L; Maestro, V; White, TR; Bruntt, H; Casagrande, L; Molenda-Zakowicz, J; Aguirre, VS; Sousa, SG; Barclay, T; Burke, CJ; Chaplin, WJ; Christensen-Dalsgaard, J; Cunha, MS; De Ridder, J; Farrington, CD; "FUNDAMENTAL PROPERTIES OF STARS USING ASTEROSEISMOLOGY FROM KEPLER AND CoRoT AND INTERFEROMETRY FROM THE CHARA ARRAY ASTROPHYSICAL JOURNAL Volume: 760 Issue: 1 Article Number: 32 DOI: 10.1088/0004-637X/760/1/32 Published: NOV 20 2012
ESA: CoRoT
- 284 "Hueso, R.; Peralta, J.; Sanchez-Lavega, A." Assessing the long-term variability of Venus winds at cloud level from VIRTIS-Venus Express ICARUS Volume: 217 Issue: 2 Special Issue: SI Pages: 585-598 DOI: 10.1016/j.icarus.2011.04.020 Published: FEB 2012
UPV
ESA: Venus Express/VIRTIS
- 285 "Husemann, B; Kamann, S; Sandin, C; Sanchez, SF; Garcia-Benito, R; Mast, D" PyCosmic: a robust method to detect cosmics in CALIFA and other fiber-fed integral-field spectroscopy datasets ASTRONOMY & ASTROPHYSICS Volume: 545 Article Number: A137 DOI: 10.1051/0004-6361/201220102 Published: SEP 2012
CAHA: 3.5m/PMAS; ESO (Paranal): VLT/VIMOS
- 286 "Iglesias-Groth, Susana; Gonzalez Hernandez, Jonay; Manchado, A." A search for naphthalene in diffuse interstellar clouds MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 420 Issue: 4 Pages: 2785-2792 DOI: 10.1111/j.1365-2966.2011.19846.x Published: MAR 2012
IAC; Unv La Laguna
ESO (Paranal): VLT/UVES
- 287 "Iglesias-Paramo, J.; Lopez-Martin, L.; Vilchez, J. M.; Petropoulou, V.; Sulentic, J. W." New insights on Stephan's Quintet: exploring the shock in three dimensions ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A127 DOI: 10.1051/0004-6361/201118055 Published: MAR 2012
IAA-CSIC; CAHA
CAHA: 3.5m/PMAS
- 288 "Indriolo, N; Neufeld, DA; Gerin, M; Geballe, TR; Black, JH; Menten, KM; Goicoechea, JR" CHEMICAL ANALYSIS OF A DIFFUSE CLOUD ALONG A LINE OF SIGHT TOWARD W51: MOLECULAR FRACTION AND COSMIC-RAY IONIZATION RATE ASTROPHYSICAL JOURNAL Volume: 758 Issue: 2 Article Number: 83 DOI: 10.1088/0004-637X/758/2/83 Published: OCT 20 2012
ESA: Herschel/HIFI
- 289 "Inserra, C.; Turatto, M.; Pastorello, A.; Pumo, M. L.; Baron, E.; Benetti, S.; Cappellaro, E.; Taubenberger, S.; Bufano, F.; Elias-Rosa, N.; Zampieri, L.; Harutyunyan, A.; Moskvitin, A. S.; Nissinen, M.; Stanishev, V.; Tsvetkov, D. Y.; Hentunen, V. P.; Ko" The bright Type IIP SN 2009bw, showing signs of interaction MONTHLY NOTICES OF THE ROYAL

ASTRONOMICAL SOCIETY Volume: 422 Issue: 2 Pages: 1122-1139 DOI:
10.1111/j.1365-2966.2012.20685.x Published: MAY 2012
ORM: LT/RATcam, NOT/ALFOSC, TNG/DOLORES; CAHA: 2.2m/CAFOS

290 "Ishigaki, MN; Parthasarathy, M; Reddy, BE; Garcia-Lario, P; Takeda, Y; Aoki, W; Garcia-Hernandez, DA; Manchado, A" The chemical composition of the post-asymptotic giant branch F supergiant CRL 2688 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 425 Issue: 2 Pages: 997-1006 DOI: 10.1111/j.1365-2966.2012.21393.x Published: SEP 2012
ORM: WHT

291 "Iwasawa, K.; Mainieri, V.; Brusa, M.; Comastri, A.; Gilli, R.; Vignali, C.; Hasinger, G.; Sanders, D. B.; Cappelluti, N.; Impey, C. D.; Koekemoer, A.; Lanzuisi, G.; Lusso, E.; Merloni, A.; Salvato, M.; Taniguchi, Y.; Trump, J. R." Fe K emission from active galaxies in the COSMOS field ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A86 DOI: 10.1051/0004-6361/201118203 Published: JAN 2012
ICC (IEEC-UB)
ESA: XMM-Newton

292 "Iwasawa, K; Gilli, R; Vignali, C; Comastri, A; Brandt, WN; Ranalli, P; Vito, F; Cappelluti, N; Carrera, FJ; Falocco, S; Georgantopoulos, I; Mainieri, V; Paolillo, M" The XMM deep survey in the CDF-S II. A 9-20 keV selection of heavily obscured active galaxies at $z > 1.7$ ASTRONOMY & ASTROPHYSICS Volume: 546 Article Number: A84 DOI: 10.1051/0004-6361/201220036 Published: OCT 2012
ESA: XMM-Newton

293 "Janz, J.; Laurikainen, E.; Lisker, T.; Salo, H.; Peletier, R. F.; Niemi, S. -M.; den Brok, M.; Toloba, E.; Falcon-Barroso, J.; Boselli, A.; Hensler, G." DISSECTING EARLY-TYPE DWARF GALAXIES INTO THEIR MULTIPLE COMPONENTS ASTROPHYSICAL JOURNAL LETTERS Volume: 745 Issue: 2 Article Number: L24 DOI: 10.1088/2041-8205/745/2/L24 Published: FEB 1 2012
ORM: NOT; ESO (La Silla): NTT

294 "Jimenez-Bailon, E.; Chavushyan, V.; Schartel, N.; Santos-Lleo, M.; Huerta, E. M.; Krongold, Y." ON THE NATURE OF HARD X-RAY EXTRAGALACTIC SOURCES OBSERVED WITH XMM-NEWTON ASTRONOMICAL JOURNAL Volume: 143 Issue: 3 Article Number: 64 DOI: 10.1088/0004-6256/143/3/64 Published: MAR 2012
ESA: XMM-Newton

295 "Jimenez-Esteban, F. M.; Caballero, J. A.; Dorda, R.; Miles-Paez, P. A.; Solano, E." Identification of red high proper-motion objects in Tycho-2 and 2MASS catalogues using Virtual Observatory tools ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A86 DOI: 10.1051/0004-6361/201118375 Published: MAR 2012
CAB (INTA-CSIC)
ESA: Hipparcos, AKARI; CAHA: 2.2m/CAFOS

- 296 "Jimenez-Esteban, FM; Cabrera-Lavers, A; Cardiel, N; Alacid, JM" Deep blank-field catalogue for medium- and large-sized telescopes MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 427 Issue: 1 Pages: 679-687 DOI: 10.1111/j.1365-2966.2012.21883.x Published: NOV 2012
CAB (INTA-CSIC)
GTC/OSIRIS
- 297 "Joergens, V; Pohl, A; Sicilia-Aguilar, A; Henning, T" The bipolar outflow and disk of the brown dwarf ISO 217 ASTRONOMY & ASTROPHYSICS Volume: 543 Article Number: A151 DOI: 10.1051/0004-6361/201219206 Published: JUL 2012
ESO (Paranal): VLT/UVES
- 298 "Johnston, E. J.; Aragon-Salamanca, A.; Merrifield, M. R.; Bedregal, A. G." Spectroscopic bulge-disc decomposition: a new method to study the evolution of lenticular galaxies MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 422 Issue: 3 Pages: 2590-2599 DOI: 10.1111/j.1365-2966.2012.20813.x Published: MAY 2012
ESO (Paranal): VLT/FORS2
- 299 "Jonker, PG; Heida, M; Torres, MAP; Miller-Jones, JCA; Fabian, AC; Ratti, EM; Miniutti, G; Walton, DJ; Roberts, TP" THE NATURE OF THE BRIGHT ULX X-2 IN NGC 3921: A CHANDRA POSITION AND HST CANDIDATE COUNTERPART ASTROPHYSICAL JOURNAL Volume: 758 Issue: 1 Article Number: 28 DOI: 10.1088/0004-637X/758/1/28
Published: OCT 10 2012
ESA: Hubble/WFPC2/WFPC3
- 300 "Juhász, A.; Dullemond, C. P.; van Boekel, R.; Bouwman, J.; Abraham, P.; Acosta-Pulido, J. A.; Henning, Th.; Kospal, A.; Sicilia-Aguilar, A.; Jones, A.; Moor, A.; Mosoni, L.; Regaly, Zs.; Szokoly, Gy.; Sipos, N." THE 2008 OUTBURST OF EX Lup-SILICATE CRYSTALS IN MOTION ASTROPHYSICAL JOURNAL Volume: 744 Issue: 2 Article Number: 118 DOI: 10.1088/0004-637X/744/2/118 Published: JAN 10 2012
ESO (La Silla): MPG 2.2m/GROND/WFI, NTT/SOFI; ESO (Paranal): VLT/VISIR, VLT/MIDI; ESO: APEX/LABOCA
- 301 "Justtanont, K.; Khouri, T.; Maercker, M.; Alcolea, J.; Decin, L.; Olofsson, H.; Schoier, F. L.; Bujarrabal, V.; Marston, A. P.; Teyssier, D.; Cernicharo, J.; Dominik, C.; de Koter, A.; Melnick, G.; Menten, K. M.; Neufeld, D.; Planesas, P.; Schmidt, M.; Sz" Herschel/HIFI observations of O-rich AGB stars: molecular inventory ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A144 DOI: 10.1051/0004-6361/201117524 Published: JAN 2012
ESA: Herschel/HIFI
- 302 "Kankare, E.; Mattila, S.; Ryder, S.; Vaeisaenen, P.; Alberdi, A.; Alonso-Herrero, A.; Colina, L.; Efstathiou, A.; Kotilainen, J.; Melinder, J.; Perez-Torres, M. -A.; Romero-Canizales, C.; Takalo, A." DISCOVERY OF TWO SUPERNOVAE IN THE NUCLEAR REGIONS OF THE LUMINOUS INFRARED GALAXY IC 883 ASTROPHYSICAL JOURNAL LETTERS Volume: 744 Issue: 2 Article Number: L19 DOI: 10.1088/2041-8205/744/2/L19 Published: JAN 10 2012

ESA: Hubble; ORM: NOT

303 "Kartaltepe, JS; Dickinson, M; Alexander, DM; Bell, EF; Dahlen, T; Elbaz, D; Faber, SM; Lotz, J; McIntosh, DH; Wiklind, T; Altieri, B; Aussel, H; Bethermin, M; Bournaud, F; Charmandaris, V; Conselice, CJ; Cooray, A; Dannerbauer, H; Dave, R; Dunlop, J; Deke" GOODS-HERSCHEL AND CANDELS: THE MORPHOLOGIES OF ULTRALUMINOUS INFRARED GALAXIES AT z similar to 2 ASTROPHYSICAL JOURNAL Volume: 757 Issue: 1 Article Number: 23 DOI: 10.1088/0004-637X/757/1/23 Published: SEP 20 2012
ESA: Hubble/WFC3, Herschel/PACS

304 "Katsukawa, Y; Suarez, DO" POWER SPECTRA OF VELOCITIES AND MAGNETIC FIELDS ON THE SOLAR SURFACE AND THEIR DEPENDENCE ON THE UNSIGNED MAGNETIC FLUX DENSITY ASTROPHYSICAL JOURNAL Volume: 758 Issue: 2 Article Number: 139 DOI: 10.1088/0004-637X/758/2/139 Published: OCT 20 2012
ESA: Hinode

305 "Kauffmann, Guinevere; Li, Cheng; Fu, Jian; Saintonge, Amelie; Catinella, Barbara; Tacconi, Linda J.; Kramer, Carsten; Genzel, Reinhard; Moran, Sean; Schiminovich, David" COLD GASS, an IRAM legacy survey of molecular gas in massive galaxies - III. Comparison with semi-analytic models of galaxy formation MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 422 Issue: 2 Pages: 997-1006 DOI: 10.1111/j.1365-2966.2012.20672.x Published: MAY 2012
IRAM: 30m

306 "Kaur, A.; Henze, M.; Haberl, F.; Pietsch, W.; Greiner, J.; Rau, A.; Hartmann, D. H.; Sala, G.; Hernanz, M." CXOM31 J004253.1+411422: the first ultraluminous X-ray transient in M 31 ASTRONOMY & ASTROPHYSICS Volume: 538 Article Number: A49 DOI: 10.1051/0004-6361/201118025 Published: FEB 2012
ESA: XMM-Newton

307 "Kaur, Ramanpreet; Kaper, Lex; Ellerbroek, Lucas E.; Russell, David M.; Altamirano, Diego; Wijnands, Rudy; Yang, Yi-Jung; D'Avanzo, Paolo; Postigo, Antonio de Ugarte; Flores, Hector; Fynbo, Johan P. U.; Goldoni, Paolo; Thoene, Christina C.; van der Horst, " VERY LARGE TELESCOPE/X-SHOOTER SPECTROSCOPY OF THE CANDIDATE BLACK HOLE X-RAY BINARY MAXI J1659-152 IN OUTBURST ASTROPHYSICAL JOURNAL LETTERS Volume: 746 Issue: 2 Article Number: L23 DOI: 10.1088/2041-8205/746/2/L23 Published: FEB 20 2012
ESO (Paranal): VLT/X-Shooter

308 "Kehrig, C.; Monreal-Ibero, A.; Papaderos, P.; Vilchez, J. M.; Gomes, J. M.; Masegosa, J.; Sanchez, S. F.; Lehnert, M. D.; Cid Fernandes, R.; Bland-Hawthorn, J.; Bomans, D. J.; Marquez, I.; Mast, D.; Aguerri, J. A. L.; Lopez-Sanchez, A. R.; Marino, R. A.;" The ionized gas in the CALIFA early-type galaxies I. Mapping two representative cases: NGC 6762 and NGC 5966 ASTRONOMY & ASTROPHYSICS Volume: 540 Article Number: A11 DOI: 10.1051/0004-6361/201118357 Published: APR 2012
IAA-CSIC
CAHA: 3.5m/PMAS

309 "Kepler, SO; Pelisoli, I; Pecanha, V; Costa, JES; Fraga, L; Hermes, JJ; Winget, DE; Castanheira, B; Corsico, AH; Romero, AD; Althaus, L; Kleinman, SJ; Nitta, A; Koester, D; Kulebi, B; Jordan, S; Kanaan, A" SEISMOLOGY OF A MASSIVE PULSATING HYDROGEN ATMOSPHERE WHITE DWARF ASTROPHYSICAL JOURNAL Volume: 757 Issue: 2 Article Number: 177 DOI: 10.1088/0004-637X/757/2/177 Published: OCT 1 2012 ESO (Paranal): VLT

310 "Kim, S; Wardlow, JL; Cooray, A; Fleuren, S; Sutherland, W; Khostovan, AA; Auld, R; Baes, M; Bussmann, RS; Buttiglione, S; Cava, A; Clements, D; Dariush, A; De Zotti, G; Dunne, L; Dye, S; Eales, S; Fritz, J; Hopwood, R; Ibar, E; Ivison, R; Jarvis, M; Maddo" SPITZER-IRAC IDENTIFICATION OF HERSCHEL-ATLAS SPIRE SOURCES ASTROPHYSICAL JOURNAL Volume: 756 Issue: 1 Article Number: 28 DOI: 10.1088/0004-637X/756/1/28 Published: SEP 1 2012 ESA: Herschel/SPIRE; ESO (Paranal): VISTA

311 "King, IR; Bedin, LR; Cassisi, S; Milone, AP; Bellini, A; Piotto, G; Anderson, J; Pietrinferni, A; Cordier, D" HUBBLE SPACE TELESCOPE OBSERVATIONS OF AN OUTER FIELD IN OMEGA CENTAURI: A DEFINITIVE HELIUM ABUNDANCE ASTRONOMICAL JOURNAL Volume: 144 Issue: 1 Article Number: 5 DOI: 10.1088/0004-6256/144/1/5 Published: JUL 2012 ESA: Hubble/ACS/WFC

312 "Kirkpatrick, A; Pope, A; Alexander, DM; Charmandaris, V; Daddi, E; Dickinson, M; Elbaz, D; Gabor, J; Hwang, HS; Ivison, R; Mullaney, J; Pannella, M; Scott, D; Altieri, B; Aussel, H; Bournaud, F; Buat, V; Coia, D; Dannerbauer, H; Dasyra, K; Kartaltepe, J; " GOODS-HERSCHEL: IMPACT OF ACTIVE GALACTIC NUCLEI AND STAR FORMATION ACTIVITY ON INFRARED SPECTRAL ENERGY DISTRIBUTIONS AT HIGH REDSHIFT ASTROPHYSICAL JOURNAL Volume: 759 Issue: 2 Article Number: 139 DOI: 10.1088/0004-637X/759/2/139 Published: NOV 10 2012 ESA: Herschel/PACS/SPIRE; ESO (Paranal): VLT/ISAAC; ESO: APEX/LABOCA

313 "Klochkov, D; Doroshenko, V; Santangelo, A; Staubert, R; Ferrigno, C; Kretschmar, P; Caballero, I; Wilms, J; Kreykenbohm, I; Pottschmidt, K; Rothschild, RE; Wilson-Hodge, CA; Puhlhofer, G" Outburst of GX 304-1 monitored with INTEGRAL: positive correlation between the cyclotron line energy and flux ASTRONOMY & ASTROPHYSICS Volume: 542 Article Number: L28 DOI: 10.1051/0004-6361/201219385 Published: JUN 2012 ESA: INTEGRAL

314 "Knobel, C; Lilly, SJ; Carollo, CM; Contini, T; Kneib, JP; Le Fevre, O; Mainieri, V; Renzini, A; Scodreggio, M; Zamorani, G; Bardelli, S; Bolzonella, M; Bongiorno, A; Caputi, K; Cucciati, O; de la Torre, S; de Ravel, L; Franzetti, P; Garilli, B; Iovino, A; " A GROUP-GALAXY CROSS-CORRELATION FUNCTION ANALYSIS IN zCOSMOS ASTROPHYSICAL JOURNAL Volume: 755 Issue: 1 Article Number: 48 DOI: 10.1088/0004-637X/755/1/48 Published: AUG 10 2012 ESO (Paranal) VLT

- 315 "Knobel, C; Lilly, SJ; Iovino, A; Kovac, K; Bschorr, TJ; Presotto, V; Oesch, PA; Kampczyk, P; Carollo, CM; Contini, T; Kneib, JP; Le Fevre, O; Mainieri, V; Renzini, A; Scodreggio, M; Zamorani, G; Bardelli, S; Bolzonella, M; Bongiorno, A; Caputi, K; Cucciati" THE zCOSMOS 20k GROUP CATALOG ASTROPHYSICAL JOURNAL Volume: 753 Issue: 2 Article Number: 121 DOI: 10.1088/0004-637X/753/2/121 Published: JUL 10 2012 ESA (Paranal): VLT/VIMOS
- 316 "Kocevski, Dale D.; Faber, S. M.; Mozena, Mark; Koekemoer, Anton M.; Nandra, Kirpal; Rangel, Cyprian; Laird, Elise S.; Brusa, Marcella; Wuyts, Stijn; Trump, Jonathan R.; Koo, David C.; Somerville, Rachel S.; Bell, Eric F.; Lotz, Jennifer M.; Alexander, Dav" CANDELS: CONSTRAINING THE AGN-MERGER CONNECTION WITH HOST MORPHOLOGIES AT z similar to 2 ASTROPHYSICAL JOURNAL Volume: 744 Issue: 2 Article Number: 148 DOI: 10.1088/0004-637X/744/2/148 Published: JAN 10 2012 ESA: Hubble/WFC3
- 317 "Kospal, A; Abraham, P; Acosta-Pulido, JA; Dullemond, CP; Henning, T; Kun, M; Leinert, C; Moor, A; Turner, NJ" MID-INFRARED SPECTRAL VARIABILITY ATLAS OF YOUNG STELLAR OBJECTS ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES Volume: 201 Issue: 2 Article Number: 11 DOI: 10.1088/0067-0049/201/2/11 Published: AUG 2012 ESA: ISO/ISOPHOT-S
- 318 "Kospal, A; Prusti, T; Cox, NLJ; Pilbratt, GL; Andre, P; de Oliveira, CA; Winston, E; Merin, B; Ribas, A; Royer, P; Vavrek, R; Waelkens, C" The dusty environment of HD 97300 as seen by Herschel and Spitzer ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A71 DOI: 10.1051/0004-6361/201218823 Published: MAY 2012 ESA: Herschel
- 319 "Kostik, R; Khomenko, EV" Properties of convective motions in facular regions ASTRONOMY & ASTROPHYSICS Volume: 545 Article Number: A22 DOI: 10.1051/0004-6361/201219534 Published: SEP 2012 OT: VTT
- 320 "Kourkchi, E.; Khosroshahi, H. G.; Carter, D.; Karick, A. M.; Marmol-Queralto, E.; Chiboucas, K.; Tully, R. B.; Mobasher, B.; Guzman, R.; Matkovic, A.; Gruel, N." Dwarf galaxies in the Coma cluster - I. Velocity dispersion measurements MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 420 Issue: 4 Pages: 2819-2834 DOI: 10.1111/j.1365-2966.2011.19899.x Published: MAR 2012 ESA: Hubble
- 321 "Krauss, S.; Fichtinger, B.; Lammer, H.; Hausleitner, W.; Kulikov, Yu. N.; Ribas, I.; Shematovich, V. I.; Bisikalo, D.; Lichtenegger, H. I. M.; Zaqarashvili, T. V.; Khodachenko, M. L.; Hanslmeier, A." Solar flares as proxy for the young Sun: satellite observed thermosphere response to an X17.2 flare of Earth's upper atmosphere ANNALES GEOPHYSICAE Volume: 30 Issue: 8 Pages: 1129-1141 DOI: 10.5194/angeo-30-1129-2012 Published: 2012 ESA: SOHO/CDS

322 "Kristensen, LE; van Dishoeck, EF; Bergin, EA; Visser, R; Yildiz, UA; Jose-Garcia, IS; Jorgensen, JK; Herczeg, GJ; Johnstone, D; Wampfler, SF; Benz, AO; Bruderer, S; Cabrit, S; Caselli, P; Doty, SD; Harsono, D; Herpin, F; Hogerheijde, MR; Karska, A; van Ke" Water in star-forming regions with Herschel (WISH) II. Evolution of 557 GHz 1(10)-1(01) emission in low-mass protostars ASTRONOMY & ASTROPHYSICS Volume: 542 Article Number: A8 DOI: 10.1051/0004-6361/201118146 Published: JUN 2012
ESA: Herschel/HIFI; ESO: APEX

323 "Kuckein, C.; Pillet, V. Martinez; Centeno, R." An active region filament studied simultaneously in the chromosphere and photosphere I. Magnetic structure ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A131 DOI: 10.1051/0004-6361/201117675 Published: MAR 2012
IAC; Unv La Laguna
OT: VTT/TIP-II; ESA: SOHO

324 "Kuckein, C; Pillet, VM; Centeno, R" An active region filament studied simultaneously in the chromosphere and photosphere II. Doppler velocities ASTRONOMY & ASTROPHYSICS Volume: 542 Article Number: A112 DOI: 10.1051/0004-6361/201218887 Published: JUN 2012
IAC; Unv La Laguna
OT: VTT

325 "Kunneriath, D.; Eckart, A.; Vogel, S. N.; Teuben, P.; Muzic, K.; Schoedel, R.; Garcia-Marin, M.; Moulata, J.; Staguhn, J.; Straubmeier, C.; Zensus, J. A.; Valencia-S, M.; Karas, V." The Galactic centre mini-spiral in the mm-regime ASTRONOMY & ASTROPHYSICS Volume: 538 Article Number: A127 DOI: 10.1051/0004-6361/201117676 Published: FEB 2012
ESO (Paranal): VLT/NACO/VISIR

326 "Kuppers, M; Moissl, R; Vincent, JB; Besse, S; Hviid, SF; Carry, B; Grieger, B; Sierks, H; Keller, HU; Marchi, S" Boulders on Lutetia PLANETARY AND SPACE SCIENCE Volume: 66 Issue: 1 Special Issue: SI Pages: 71-78 DOI: 10.1016/j.pss.2011.11.004
Published: JUN 2012
ESAC
ESA: Rosetta/OSIRIS

327 "Lardo, C; Milone, AP; Marino, AF; Mucciarelli, A; Pancino, E; Zoccali, M; Rejkuba, M; Carrera, R; Gonzalez, O" C and N abundances of main sequence and subgiant branch stars in NGC 1851 ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A141 DOI: 10.1051/0004-6361/201118763 Published: MAY 2012
ESO (Paranal): VLT/FORS2; ESA: Hubble/ACS

328 "Lardo, C; Pancino, E; Mucciarelli, A; Milone, AP" Carbon and nitrogen abundances of stellar populations in the globular cluster M 2 ASTRONOMY & ASTROPHYSICS Volume: 548 Article Number: A107 DOI: 10.1051/0004-6361/201220129 Published: DEC 2012
ORM: TNG/DOLORES

- 329 "Lazaro, C; Arevalo, MJ; Almenara, JM; Carnerero, MI; Moreno, MA" A photometric and spectroscopic study of the binary V1430 Aql NEW ASTRONOMY Volume: 17 Issue: 5 Pages: 498-503 DOI: 10.1016/j.newast.2011.12.003 Published: JUL 2012
IAC; Unv La Laguna
OT: IAC-80, TCS; ORM: NOT, INT
- 330 "Lebreton, J.; Augereau, J. -C.; Thi, W. -F.; Roberge, A.; Donaldson, J.; Schneider, G.; Maddison, S. T.; Menard, F.; Riviere-Marichalar, P.; Mathews, G. S.; Kamp, I.; Pinte, C.; Dent, W. R. F.; Barrado, D.; Duchene, G.; Gonzalez, J. -F.; Grady, C. A.; Mee" An icy Kuiper belt around the young solar-type star HD 181327 ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A17 DOI: 10.1051/0004-6361/201117714 Published: MAR 2012
ESA: Herschel/PACS, Hubble/NICMOS
- 331 "Leloudas, G; Chatzopoulos, E; Dilday, B; Gorosabel, J; Vinko, J; Gallazzi, A; Wheeler, JC; Bassett, B; Fischer, JA; Frieman, JA; Fynbo, JPU; Goobar, A; Jelinek, M; Malesani, D; Nichol, RC; Nordin, J; Ostman, L; Sako, M; Schneider, DP; Smith, M; Sollerman," SN 2006oz: rise of a super-luminous supernova observed by the SDSS-II SN Survey ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A129 DOI: 10.1051/0004-6361/201118498 Published: MAY 2012
ORM: NOT/ALFOSC; GTC/OSIRIS
- 332 "Leon, S; Espigares, V; Ruiz, JE; Verdes-Montenegro, L; Mauersberger, R; Brunswig, W; Kramer, C; Santander-Vela, JD; Wiesemeyer, H" TAPAS, a VO archive at the IRAM 30-m telescope EXPERIMENTAL ASTRONOMY Volume: 34 Issue: 1 Pages: 65-88 DOI: 10.1007/s10686-012-9299-9 Published: JUL 2012
IRAM: 30m
- 333 "Lestrade, JF; Matthews, BC; Sibthorpe, B; Kennedy, GM; Wyatt, MC; Bryden, G; Greaves, JS; Thilliez, E; Moro-Martin, A; Booth, M; Dent, WRF; Duchene, G; Harvey, PM; Horner, J; Kalas, P; Kavelaars, JJ; Phillips, NM; Rodriguez, DR; Su, KYL; Wilner, DJ" A DEBRIS disk around the planet hosting M-star GJ 581 spatially resolved with Herschel ASTRONOMY & ASTROPHYSICS Volume: 548 Article Number: A86 DOI: 10.1051/0004-6361/201220325
Published: DEC 2012
ESA: Herschel/PACS/SPIRE
- 334 "Leyrat, C.; Barucci, A.; Mueller, T.; O'Rourke, L.; Valtchanov, I.; Fornasier, S." Thermal properties of (4) Vesta derived from Herschel measurements ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A154 DOI: 10.1051/0004-6361/201117793 Published: MAR 2012
ESA: Herschel/PACS/SPIRE
- 335 "Li, J; Torres, DF; Zhang, S; Papitto, A; Chen, YP; Wang, JM" INTEGRAL AND SWIFT OBSERVATIONS OF THE Be X-RAY BINARY 4U 1036-56 (RX J1037.5-5647) AND ITS POSSIBLE RELATION WITH gamma-RAY TRANSIENTS ASTROPHYSICAL JOURNAL Volume: 761 Issue: 1 Article Number: 49 DOI: 10.1088/0004-637X/761/1/49 Published: DEC 10 2012
ESA: INTEGRAL

- 336 "Li, J; Zhang, S; Torres, DF; Papitto, A; Chen, YP; Wang, JM" INTEGRAL and Swift/XRT observations of IGR J18179-1621 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 426 Issue: 1 Pages: L16-L20 DOI: 10.1111/j.1745-3933.2012.01313.x Published: OCT 2012
IEEC-CSIC
ESA: INTEGRAL
- 337 "Liimets, T; Corradi, RLM; Santander-Garcia, M; Villaver, E; Rodriguez-Gil, P; Verro, K; Kolka, I" A THREE-DIMENSIONAL VIEW OF THE REMNANT OF NOVA PERSEI 1901 (GK Per) ASTROPHYSICAL JOURNAL Volume: 761 Issue: 1 Article Number: 34 DOI: 10.1088/0004-637X/761/1/34 Published: DEC 10 2012
ORM: INT/WFC; NOT/ALFOSC; ESA: Hubble
- 338 "Lillo-Box, J; Barrado, D; Bouy, H" Multiplicity in transiting planet-host stars A lucky imaging study of Kepler candidates ASTRONOMY & ASTROPHYSICS Volume: 546 Article Number: A10 DOI: 10.1051/0004-6361/201219631 Published: OCT 2012
ESAC
CAHA: 2.2m/AstraLux
- 339 "Lin, Z. -Y.; Lara, L. M.; Vincent, J. B.; Ip, W. -H." Physical studies of 81P/Wild 2 from the last two apparitions ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A101 DOI: 10.1051/0004-6361/201116848 Published: JAN 2012
IAA-CSIC
ESO (La Silla): 3.6m/EFOSC2
- 340 Ling, J. F. FIRST ORBIT AND MASS DETERMINATIONS FOR NINE VISUAL BINARIES ASTRONOMICAL JOURNAL Volume: 143 Issue: 1 Article Number: 20 DOI: 10.1088/0004-6256/143/1/20 Published: JAN 2012
U. Santiago Comp.
ESA: Hipparcos
- 341 "Liseau, R; Goldsmith, PF; Larsson, B; Pagani, L; Bergman, P; Le Bourlot, J; Bell, TA; Benz, AO; Bergin, EA; Bjerkeli, P; Black, JH; Bruderer, S; Caselli, P; Caux, E; Chen, JH; de Luca, M; Encrenaz, P; Falgarone, E; Gerin, M; Goicoechea, JR; Hjalmarson, A;" Multi-line detection of O-2 toward rho Ophiuchi A ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A73 DOI: 10.1051/0004-6361/201118575 Published: MAY 2012
ESA: Herschel/HIFI
- 342 "Littlejohns, O. M.; Willingale, R.; O'Brien, P. T.; Beardmore, A. P.; Covino, S.; Perley, D. A.; Tanvir, N. R.; Rol, E.; Yuan, F.; Akerlof, C.; D'Avanzo, P.; Bersier, D. F.; Castro-Tirado, A. J.; Christian, P.; Cobb, B. E.; Evans, P. A.; Filippenko, A. V." The origin of the early-time optical emission of Swift GRB 080310 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 421 Issue: 3 Pages: 2692-2712 DOI: 10.1111/j.1365-2966.2012.20499.x Published: APR 2012
ESO (Paranal): VLT/FORS1; ORM: WHT

343 "Liu, Haoyu Baobab; Quintana-Lacaci, Guillermo; Wang, Ke; Ho, Paul T. P.; Li, Zhi-Yun; Zhang, Qizhou; Zhang, Zhi-Yu" THE ORIGIN OF OB CLUSTERS: FROM 10 pc TO 0.1 pc
ASTROPHYSICAL JOURNAL Volume: 745 Issue: 1 Article Number: 61 DOI:
10.1088/0004-637X/745/1/61 Published: JAN 20 2012
IRAM: 30m

344 "Livermore, RC; Jones, T; Richard, J; Bower, RG; Ellis, RS; Swinbank, AM; Rigby, JR;
Smail, I; Arribas, S; Rodriguez-Zaurin, J; Colina, L; Ebeling, H; Crain, RA" Hubble Space
Telescope H alpha imaging of star-forming galaxies at z similar or equal to 1-1.5: evolution in the
size and luminosity of giant H II regions MONTHLY NOTICES OF THE ROYAL
ASTRONOMICAL SOCIETY Volume: 427 Issue: 1 Pages: 688-702 DOI:
10.1111/j.1365-2966.2012.21900.x Published: NOV 2012
ESA: Hubble

345 "Lodieu, N; Burningham, B; Day-Jones, A; Scholz, RD; Marocco, F; Koposov, S;
Navascues, DBY; Lucas, PW; Cruz, P; Lillo, J; Jones, H; Perez-Garrido, A; Ruiz, MT; Pinfield, D;
Rebolo, R; Bejar, VJS; Boudreault, S; Emerson, JP; Banerji, M; Gonzalez-Solares, E" First T
dwarfs in the VISTA Hemisphere Survey ASTRONOMY & ASTROPHYSICS Volume:
548 Article Number: A53 DOI: 10.1051/0004-6361/201220182 Published: DEC 2012
IAC; Unv La Laguna
ESO (Paranal): VISTA, VLT/X-Shooter; CAHA: 3.5m; OT: IAC80/CAMELOT

346 "Lodieu, N; Contreras, ME; Osorio, MRZ; Solano, E; Aberasturi, M; Martin, EL"
New ultracool subdwarfs identified in large-scale surveys using Virtual Observatory tools
ASTRONOMY & ASTROPHYSICS Volume: 542 Article Number: A105 DOI:
10.1051/0004-6361/201118717 Published: JUN 2012
IAC; Unv La Laguna
ORM: NOT/ALFOSC; ESO (Paranal): VLT/FORS2

347 "Loehne, T.; Augereau, J. -C.; Ertel, S.; Marshall, J. P.; Eiroa, C.; Mora, A.; Absil, O.;
Stapelfeldt, K.; Thebault, P.; Bayo, A.; del Burgo, C.; Danchi, W.; Krivov, A. V.; Lebreton, J.;
Letawe, G.; Magain, P.; Maldonado, J.; Montesinos, B.; Pilbratt, G. " Modelling the huge,
Herschel-resolved debris ring around HD 207129 ASTRONOMY & ASTROPHYSICS
Volume: 537 Article Number: A110 DOI: 10.1051/0004-6361/201117731 Published: JAN
2012
ESA: Herschel/PACS/SPIRE

348 "Lohne, T; Eiroa, C; Augereau, JC; Ertel, S; Marshall, JP; Mora, A; Absil, O; Stapelfeldt,
K; Thebault, P; Bayo, A; del Burgo, C; Danchi, W; Krivov, AV; Lebreton, J; Letawe, G; Magain,
P; Maldonado, J; Montesinos, B; Pilbratt, GL; White, GJ; Wolf, S" Debris disks as seen by
Herschel/DUNES ASTRONOMISCHE NACHRICHTEN Volume: 333 Issue: 5-6
Special Issue: SI Pages: 441-446 DOI: 10.1002/asna.201211686 Published: JUN 2012
ESA: Herschel/DUNES

349 "Lopez, JP; Colina, L; Arribas, S; Alonso-Herrero, A; Bedregal, AG" VLT-SINFONI
integral field spectroscopy of low-z luminous and ultraluminous infrared galaxies I. Atlas of the 2D
gas structure ASTRONOMY & ASTROPHYSICS Volume: 546 Article Number: A64
DOI: 10.1051/0004-6361/201219372 Published: OCT 2012

CAB (INTA-CSIC)
ESO (Paranal): VLT/SINFONI

350 "Lopez, JP; Davies, R; Colina, L; de Xivry, GO" SPATIALLY RESOLVED
KINEMATICS OF THE CENTRAL REGIONS OF M83: HIDDEN MASS SIGNATURES AND
THE ROLE OF SUPERNOVAE ASTROPHYSICAL JOURNAL Volume: 752 Issue: 1
Article Number: 47 DOI: 10.1088/0004-637X/752/1/47 Published: JUN 10 2012

CAB (INTA-CSIC)
ESO (Paranal): VLT/SINFONI

351 "Lopez, R; Garcia-Lorenzo, B; Estalella, R; Riera, A; Carrasco-Gonzalez, C; Gomez, G"
Integral field spectroscopy of the brightest knots of HH 223 in L723 MONTHLY NOTICES
OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 424 Issue: 3 Pages: 1817-1825
DOI: 10.1111/j.1365-2966.2012.21275.x Published: AUG 2012

IIEC-UB
ORM: WHT/ WYFFOS; NOT/ALFOSC

352 "Lopez-Sanjuan, C; Le Fevre, O; Ilbert, O; Tasca, LAM; Bridge, C; Cucciati, O;
Kampeczyk, P; Pozzetti, L; Xu, CK; Carollo, CM; Contini, T; Kneib, JP; Lilly, SJ; Mainieri, V;
Renzini, A; Sanders, D; Scodreggio, M; Scoville, NZ; Taniguchi, Y; Zamorani, G; Auss" The
dominant role of mergers in the size evolution of massive early-type galaxies since z similar to 1
ASTRONOMY & ASTROPHYSICS Volume: 548 Article Number: A7 DOI:
10.1051/0004-6361/201219085 Published: DEC 2012

CEFCA
ESO (Paranal): VLT/VIMOS; ESA: Hubble, XMM-Newton

353 "Lopez-Santiago, J; Miceli, M; del Valle, MV; Romero, GE; Bonito, R; Albacete-Colombo,
JF; Pereira, V; de Castro, E; Damiani, F" AE AURIGAE: FIRST DETECTION OF NON-
THERMAL X-RAY EMISSION FROM A BOW SHOCK PRODUCED BY A RUNAWAY
STAR ASTROPHYSICAL JOURNAL LETTERS Volume: 757 Issue: 1 Article Number: L6
DOI: 10.1088/2041-8205/757/1/L6 Published: SEP 20 2012

UCM
ESA: XMM-Newton

354 "Lopez-Santiago, J; Stelzer, B; Saxton, R" TYC 8380-1953-1: Discovery of an RS CVn
Binary Through the XMM-Newton Slew Survey PUBLICATIONS OF THE ASTRONOMICAL
SOCIETY OF THE PACIFIC Volume: 124 Issue: 917 Pages: 682-692

UCM
ESA: XMM-Newton; ESO (La Silla): MPG 2.2m/FEROS

355 "Louis, RE; Mathew, SK; Rubio, LRB; Ichimoto, K; Ravindra, B; Bayanna, AR"
PROPERTIES OF UMBRAL DOTS FROM STRAY LIGHT CORRECTED HINODE
FILTERGRAMS ASTROPHYSICAL JOURNAL Volume: 752 Issue: 2 Article
Number: 109 DOI: 10.1088/0004-637X/752/2/109 Published: JUN 20 2012

ESA: Hinode/SOT

356 "Louis, RE; Ravindra, B; Mathew, SK; Rubio, LRB; Bayanna, AR; Venkatakrisnan, P" ANALYSIS OF A FRAGMENTING SUNSPOT USING HINODE OBSERVATIONS ASTROPHYSICAL JOURNAL Volume: 755 Issue: 1 Article Number: 16 DOI: 10.1088/0004-637X/755/1/16 Published: AUG 10 2012
ESA: Hinode

357 "Lupu, RE; Scott, KS; Aguirre, JE; Aretxaga, I; Auld, R; Barton, E; Beelen, A; Bertoldi, F; Bock, JJ; Bonfield, D; Bradford, CM; Buttiglione, S; Cava, A; Clements, DL; Cooke, J; Cooray, A; Dannerbauer, H; Dariush, A; De Zotti, G; Dunne, L; Dye, S; Eales, S" MEASUREMENTS OF CO REDSHIFTS WITH Z-SPEC FOR LENSED SUBMILLIMETER GALAXIES DISCOVERED IN THE H-ATLAS SURVEY ASTROPHYSICAL JOURNAL Volume: 757 Issue: 2 Article Number: 135 DOI: 10.1088/0004-637X/757/2/135 Published: OCT 1 2012
IRAM: PdBI

358 "Magnelli, B.; Lutz, D.; Santini, P.; Saintonge, A.; Berta, S.; Albrecht, M.; Altieri, B.; Andreani, P.; Aussel, H.; Bertoldi, F.; Bethermin, M.; Bongiovanni, A.; Capak, P.; Chapman, S.; Cepa, J.; Cimatti, A.; Cooray, A.; Daddi, E.; Danielson, A. L. R.; Da" A Herschel view of the far-infrared properties of submillimetre galaxies ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A155 DOI: 10.1051/0004-6361/201118312 Published: MAR 2012
ESA: Herschel/PACS/SPIRE; ESO (Paranal): VLT (GOODS); ESO: APEX/LABOCA

359 "Maiolino, R; Gallerani, S; Neri, R; Cicone, C; Ferrara, A; Genzel, R; Lutz, D; Sturm, E; Tacconi, LJ; Walter, F; Feruglio, C; Fiore, F; Piconcelli, E" Evidence of strong quasar feedback in the early Universe MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 425 Issue: 1 Pages: L66-L70 DOI: 10.1111/j.1745-3933.2012.01303.x Published: SEP 2012
IRAM: PdBI

360 "Malandraki, OE; Agueda, N; Papaioannou, A; Klein, KL; Valtonen, E; Heber, B; Droege, W; Aurass, H; Nindos, A; Vilmer, N; Sanahuja, B; Kouloumvakos, A; Braune, S; Preka-Papadema, P; Tziotziou, K; Hamadache, C; Kiener, J; Tatischeff, V; Riihonen, E; Kartavy" Scientific Analysis within SEPServer - New Perspectives in Solar Energetic Particle Research: The Case Study of the 13 July 2005 Event SOLAR PHYSICS Volume: 281 Issue: 1 Pages: 333-352 DOI: 10.1007/s11207-012-0164-9 Published: NOV 2012
ESA: SOHO

361 "Maldonado, J; Eiroa, C; Villaver, E; Montesinos, B; Mora, A" Metallicity of solar-type stars with debris discs and planets ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A40 DOI: 10.1051/0004-6361/201218800 Published: MAY 2012
UAM
ORM: NOT/FIES, TNG/SARG; CAHA: 2.2m/FOCES; ESO: (La Silla): 1.52m/FEROS"

362 "Mantegazza, L; Poretti, E; Michel, E; Rainer, M; Baudin, F; Hernandez, AG; Semaan, T; Alvarez, M; Amado, PJ; Garrido, R; Mathias, P; Moya, A; Suarez, JC; Auvergne, M; Baglin, A; Catala, C; Samadi, R"Pulsation spectrum of delta Scuti stars: the binary HD 50870 as seen with CoRoT and HARPS ASTRONOMY & ASTROPHYSICS Volume: 542 Article Number: A24 DOI: 10.1051/0004-6361/201118682 Published: JUN 2012

ESA: CoRoT; ESO (La Silla): 3.6m/HARPS, MPG 2.2m/FEROS

363 "Marchesini, Danilo; Stefanon, Mauro; Brammer, Gabriel B.; Whitaker, Katherine E." THE EVOLUTION OF THE REST-FRAME V-BAND LUMINOSITY FUNCTION FROM $z=4$: A CONSTANT FAINT-END SLOPE OVER THE LAST 12 Gyr OF COSMIC HISTORY ASTROPHYSICAL JOURNAL Volume: 748 Issue: 2 Article Number: 126 DOI: 10.1088/0004-637X/748/2/126 Published: APR 1 2012
ESA: Hubble; ESO (Paranal): VLT/ISAAC/VIMOS/FORS2

364 "Marchi, S; Massironi, M; Vincent, JB; Morbidelli, A; Mottola, S; Marzari, F; Kuppers, M; Besse, S; Thomas, N; Barbieri, C; Naletto, G; Sierks, H" The cratering history of asteroid (21) Lutetia PLANETARY AND SPACE SCIENCE Volume: 66 Issue: 1 Special Issue: SI Pages: 87-95 DOI: 10.1016/j.pss.2011.10.010 Published: JUN 2012
ESA: Rosetta/OSIRIS

365 "Marciniak, A; Bartczak, P; Santana-Ros, T; Michalowski, T; Antonini, P; Behrend, R; Bembrick, C; Bernasconi, L; Borczyk, W; Colas, F; Coloma, J; Crippa, R; Esseiva, N; Fagas, M; Fauvaud, M; Fauvaud, S; Ferreira, DDM; Bertelsen, RPH; Higgins, D; Hirsch, R;" Photometry and models of selected main belt asteroids IX. Introducing interactive service for asteroid models (ISAM) ASTRONOMY & ASTROPHYSICS Volume: 545 Article Number: A131 DOI: 10.1051/0004-6361/201219542 Published: SEP 2012
ESA: AKARI

366 "Marcolino, W. L. F.; Bouret, J-C; Walborn, N. R.; Howarth, I. D.; Naze, Y.; Fullerton, A. W.; Wade, G. A.; Hillier, D. J.; Herrero, A." HST/STIS spectroscopy of the magnetic Of?p star HD 108: the low state at ultraviolet wavelengths MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 422 Issue: 3 Pages: 2314-2321 DOI: 10.1111/j.1365-2966.2012.20820.x Published: MAY 2012
ESA: Hubble, IUE

367 "Marino, A. F.; Milone, A. P.; Piotto, G.; Cassisi, S.; D'Antona, F.; Anderson, J.; Aparicio, A.; Bedin, L. R.; Renzini, A.; Villanova, S." THE C+N+O ABUNDANCE OF ω CENTAURI GIANT STARS: IMPLICATIONS FOR THE CHEMICAL-ENRICHMENT SCENARIO AND THE RELATIVE AGES OF DIFFERENT STELLAR POPULATIONS ASTROPHYSICAL JOURNAL Volume: 746 Issue: 1 Article Number: 14 DOI: 10.1088/0004-637X/746/1/14 Published: FEB 10 2012
ESO (Paranal): VLT/FLAMES/GIRAFFE

368 "Marino, AF; Milone, AP; Sneden, C; Bergemann, M; Kraft, RP; Wallerstein, G; Cassisi, S; Aparicio, A; Asplund, M; Bedin, RL; Hilker, M; Lind, K; Momany, Y; Piotto, G; Roederer, IU; Stetson, PB; Zoccali, M" The double sub-giant branch of NGC 6656 (M 22): a chemical characterization ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A15 DOI: 10.1051/0004-6361/201118381 Published: MAY 2012
ESO (Paranal): VLT/FLAMES; ESO (La Silla): NTT, MPG 2.2m; ESA: Hubble/ACS

369 "Marino, RA; de Paz, AG; Castillo-Morales, A; Munoz-Mateos, JC; Sanchez, SF; Perez-Gonzalez, PG; Gallego, J; Zamorano, J; Alonso-Herrero, A; Boissier, S" INTEGRAL FIELD

SPECTROSCOPY AND MULTI-WAVELENGTH IMAGING OF THE NEARBY SPIRAL GALAXY NGC 5668*: AN UNUSUAL FLATTENING IN METALLICITY GRADIENT
ASTROPHYSICAL JOURNAL Volume: 754 Issue: 1 Article Number: 61 DOI:
10.1088/0004-637X/754/1/61 Published: JUL 20 2012

UCM

CAHA: 3.5m/PMAS

370 "Marinova, Irina; Jogee, Shardha; Weinzirl, Tim; Erwin, Peter; Trentham, Neil; Ferguson, Henry C.; Hammer, Derek; den Brok, Mark; Graham, Alister W.; Carter, David; Balcells, Marc; Goudfrooij, Paul; Guzman, Rafael; Hoyos, Carlos; Mobasher, Bahram; Mouhcine" THE HST/ACS COMA CLUSTER SURVEY. VIII. BARRED DISK GALAXIES IN THE CORE OF THE COMA CLUSTER
ASTROPHYSICAL JOURNAL Volume: 746 Issue: 2 Article Number: 136 DOI: 10.1088/0004-637X/746/2/136 Published: FEB 20 2012

ESA: Hubble/ACS

371 "Marmol-Queralto, E.; Trujillo, I.; Perez-Gonzalez, P. G.; Varela, J.; Barro, G." Satellites around massive galaxies since z similar to 2
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 422 Issue: 3 Pages: 2187-2194 DOI: 10.1111/j.1365-2966.2012.20765.x Published: MAY 2012

IAC; Unv La Laguna

ESA: Hubble

372 "Marti, J; Luque-Escamilla, PL; Sanchez-Ayaso, E; Munoz-Arjonilla, AJ" Sub-arcsecond radio and optical observations of the likely counterpart to the gamma-ray source 2FGL J2056.7+4939
ASTROPHYSICS AND SPACE SCIENCE Volume: 340 Issue: 1 Pages: 143-146 DOI: 10.1007/s10509-012-1030-9 Published: JUL 2012

Unv de Jaén

ESA: XMM-Newton, Suzaku

373 "Martin-Carrillo, A; Kirsch, MGF; Caballero, I; Freyberg, MJ; Ibarra, A; Kendziorra, E; Lammers, U; Mukerjee, K; Schonherr, G; Stuhlinger, M; Saxton, RD; Staubert, R; Suchy, S; Wellbrock, A; Webb, N; Guainazzi, M" The relative and absolute timing accuracy of the EPIC-pn camera on XMM-Newton, from X-ray pulsations of the Crab and other pulsars
ASTRONOMY & ASTROPHYSICS Volume: 545 Article Number: A126 DOI: 10.1051/0004-6361/201116576 Published: SEP 2012

ESA: XMM-Newton

374 "Martinez-Badenes, V.; Lisenfeld, U.; Espada, D.; Verdes-Montenegro, L.; Garcia-Burillo, S.; Leon, S.; Sulentic, J.; Yun, M. S." Molecular gas content and SFR in Hickson compact groups: enhanced or deficient?
ASTRONOMY & ASTROPHYSICS Volume: 540 Article Number: A96 DOI: 10.1051/0004-6361/201117281 Published: APR 2012

IAA-CSIC

IRAM: 30m

- 375 "Marti-Vidal, I; Krichbaum, TP; Marscher, A; Alef, W; Bertarini, A; Bach, U; Schinzel, FK; Rottmann, H; Anderson, JM; Zensus, JA; Bremer, M; Sanchez, S; Lindqvist, M; Mujunen, A" On the calibration of full-polarization 86GHz global VLBI observations ASTRONOMY & ASTROPHYSICS Volume: 542 Article Number: A107 DOI: 10.1051/0004-6361/201218958 Published: JUN 2012
IRAM: PdBI
- 376 "Mason, A. B.; Clark, J. S.; Norton, A. J.; Crowther, P. A.; Tauris, T. M.; Langer, N.; Negueruela, I.; Roche, P." The evolution and masses of the neutron star and donor star in the high mass X-ray binary OAO1657-415 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 422 Issue: 1 Pages: 199-206 DOI: 10.1111/j.1365-2966.2012.20596.x Published: MAY 2012
ESO (Paranal): VLT/ISAAC
- 377 "Mason, E; Ederoclite, A; Williams, RE; Della Valle, M; Setiawan, J" U Scorpii 2010 outburst: a new understanding of the binary accretion disk and the secondary star ASTRONOMY & ASTROPHYSICS Volume: 544 Article Number: A149 DOI: 10.1051/0004-6361/201219556 Published: AUG 2012
ESO (Paranal): VLT/X-Shooter; ESO (La Silla): MPG 2.2m/FEROS
- 378 "Massironi, M; Marchi, S; Pajola, M; Snodgrass, C; Thomas, N; Tubiana, C; Vincent, JB; Cremonese, G; Da Deppo, V; Ferri, F; Magrin, S; Sierks, H; Barbieri, C; Lamy, P; Rickman, H; Rodrigo, R; Koschny, D" Geological map and stratigraphy of asteroid 21 Lutetia PLANETARY AND SPACE SCIENCE Volume: 66 Issue: 1 Special Issue: SI Pages: 125-136 DOI: 10.1016/j.pss.2011.12.024 Published: JUN 2012
ESA: Rosetta/OSIRIS
- 379 "Mateos, S; Alonso-Herrero, A; Carrera, FJ; Blain, A; Watson, MG; Barcons, X; Braitto, V; Severgnini, P; Donley, JL; Stern, D" Using the Bright Ultrahard XMM-Newton survey to define an IR selection of luminous AGN based on WISE colours MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 426 Issue: 4 Pages: 3271-3281 DOI: 10.1111/j.1365-2966.2012.21843.x Published: NOV 2012
IFCA (CSIC-UC)
ESA: XMM-Newton; ORM: WHT; GTC
- 380 "Matra, L; Merin, B; de Oliveira, CA; Huelamo, N; Kospal, A; Cox, NLJ; Ribas, A; Puga, E; Vavrek, R; Royer, P; Prusti, T; Pilbratt, GL; Andre, P" A new Herschel view of the young star T54: not a transitional disk? ASTRONOMY & ASTROPHYSICS Volume: 548 Article Number: A111 DOI: 10.1051/0004-6361/201220461 Published: DEC 2012
ESAC
ESA: Herschel/PACS/SPIRE; ESO (Paranal): VLT/FORS1
- 381 "Matt, G.; Bianchi, S.; Guainazzi, M.; Barcons, X.; Panessa, F." "The Suzaku X-ray spectrum of NGC 3147 Further insights on the best ""true"" Seyfert 2 galaxy candidate" ASTRONOMY & ASTROPHYSICS Volume: 540 Article Number: A111 DOI: 10.1051/0004-6361/201118729 Published: APR 2012
ESA: Suzaku, XMM-Newton

382 "Mattila, S; Dahlen, T; Efstathiou, A; Kankare, E; Melinder, J; Alonso-Herrero, A; Perez-Torres, MA; Ryder, S; Vaisanen, P; Ostlin, G" CORE-COLLAPSE SUPERNOVAE MISSED BY OPTICAL SURVEYS ASTROPHYSICAL JOURNAL Volume: 756 Issue: 2 Article Number: 111 DOI: 10.1088/0004-637X/756/2/111 Published: SEP 10 2012
ORM: NOT, WHT, TNG

383 "Matute, I; Marquez, I; Masegosa, J; Husillos, C; del Olmo, A; Perea, J; Alfaro, EJ; Fernandez-Soto, A; Moles, M; Aguerri, JAL; Aparicio-Villegas, T; Benitez, N; Broadhurst, T; Cabrera-Cano, J; Castander, FJ; Cepa, J; Cervino, M; Cristobal-Hornillos, D; In"Quasi-stellar objects in the ALHAMBRA survey I. Photometric redshift accuracy based on 23 optical-NIR filter photometry ASTRONOMY & ASTROPHYSICS Volume: 542 Article Number: A20 DOI: 10.1051/0004-6361/201118111 Published: JUN 2012
IAA-CSIC
CAHA: 3.5m

384 "Mayya, YD; Gonzalez, DR; Vega, O; Mendez-Abreu, J; Terlevich, R; Terlevich, E; Bertone, E; Rodriguez-Merino, LH; Munoz-Tunon, C; Rodriguez-Espinosa, JM; Almeida, JS; Aguerri, JAL" Flux-Calibrated Emission-Line Imaging of Extended Sources Using GTC/OSIRIS Tunable Filters PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC Volume: 124 Issue: 918 Pages: 895-908 DOI: 10.1086/667531 Published: AUG 2012
GTC/OSIRIS

385 "Mazzarella, JM; Iwasawa, K; Vavilkin, T; Armus, L; Kim, DC; Bothun, G; Evans, AS; Spoon, HWW; Haan, S; Howell, JH; Lord, S; Marshall, JA; Ishida, CM; Xu, CK; Petric, A; Sanders, DB; Surace, JA; Appleton, P; Chan, BHP; Frayer, DT; Inami, H; Khachikian, EY;" INVESTIGATION OF DUAL ACTIVE NUCLEI, OUTFLOWS, SHOCK-HEATED GAS, AND YOUNG STAR CLUSTERS IN MARKARIAN 266 ASTRONOMICAL JOURNAL Volume: 144 Issue: 5 Article Number: 125 DOI: 10.1088/0004-6256/144/5/125 Published: NOV 2012
ESA: Hubble, XMM-Newton

386 "McCall, M. L.; Vaduvescu, O.; Pozo Nunez, F.; Barr Dominguez, A.; Fingerhut, R.; Unda-Sanzana, E.; Li, B.; Albrecht, M." Fundamentals of the dwarf fundamental plane ASTRONOMY & ASTROPHYSICS Volume: 540 Article Number: A49 DOI: 10.1051/0004-6361/201117669 Published: APR 2012
ESO (La Silla): NTT

387 "Meeus, G; Montesinos, B; Mendigutia, I; Kamp, I; Thi, WF; Eiroa, C; Grady, CA; Mathews, G; Sandell, G; Martin-Zaidi, C; Brittain, S; Dent, WRF; Howard, C; Menard, F; Pinte, C; Roberge, A; Vandenbussche, B; Williams, JP" Observations of Herbig Ae/Be stars with Herschel/PACS The atomic and molecular contents of their protoplanetary discs ASTRONOMY & ASTROPHYSICS Volume: 544 Article Number: A78 DOI: 10.1051/0004-6361/201219225 Published: AUG 2012
UAM
ESA: Herschel/PACS

388 "Mehrtens, N; Romer, AK; Hilton, M; Lloyd-Davies, EJ; Miller, CJ; Stanford, SA; Hosmer, M; Hoyle, B; Collins, CA; Liddle, AR; Viana, PTP; Nichol, RC; Stott, JP; Dubois, EN; Kay, ST; Sahlen, M; Young, O; Short, CJ; Christodoulou, L; Watson, WA; Davidson, M;"The XMM Cluster Survey: optical analysis methodology and the first data release MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 423 Issue: 2 Pages: 1024-1052 DOI: 10.1111/j.1365-2966.2012.20931.x Published: JUN 2012
ESA: XMM-Newton; ESO (La Silla): NTT; ORM: WHT/ISIS

389 "Meidt, Sharon E.; Schinnerer, Eva; Munoz-Mateos, Juan-Carlos; Holwerda, Benne; Ho, Luis C.; Madore, Barry F.; Knapen, Johan H.; Bosma, Albert; Athanassoula, E.; Hinz, Joannah L.; Sheth, Kartik; Regan, Michael; Gil de Paz, Armando; Menendez-Delmestre, Kari" THE S(4)G PERSPECTIVE ON CIRCUMSTELLAR DUST EXTINCTION OF ASYMPTOTIC GIANT BRANCH STARS IN M100 ASTROPHYSICAL JOURNAL LETTERS Volume: 748 Issue: 2 Article Number: L30 DOI: 10.1088/2041-8205/748/2/L30 Published: APR 1 2012
ESA: Hubble

390 "Melandri, A; Pian, E; Ferrero, P; D'Elia, V; Walker, ES; Ghirlanda, G; Covino, S; Amati, L; D'Avanzo, P; Mazzali, PA; Della Valle, M; Guidorzi, C; Antonelli, LA; Bernardini, MG; Bersier, D; Bufano, F; Campana, S; Castro-Tirado, AJ; Chincarini, G; Deng, J;" The optical SN2012bz associated with the long GRB120422A ASTRONOMY & ASTROPHYSICS Volume: 547 Article Number: A82 DOI: 10.1051/0004-6361/201219879 Published: NOV 2012
ESO (Paranal): VLT/FORS2; ORM: TNG/DOLORES

391 "Mendez-Abreu, J.; Aguerri, J. A. L.; Barrena, R.; Sanchez-Janssen, R.; Boschin, W.; Castro-Rodriguez, N.; Corsini, E. M.; del Burgo, C.; D'Onghia, E.; Girardi, M.; Iglesias-Paramo, J.; Napolitano, N.; Vilchez, J. M.; Zarattini, S." Fossil group origins II. Unveiling the formation of the brightest group galaxies through their scaling relations ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A25 DOI: 10.1051/0004-6361/201117755
Published: JAN 2012
IAC; Unv La Laguna
ORM: WHT/LIRIS

392 "Mendez-Abreu, J; Sanchez-Janssen, R; Aguerri, JAL; Corsini, EM; Zarattini, S" THE NATURE AND NURTURE OF BARS AND DISKSASTROPHYSICAL JOURNAL LETTERS Volume: 761 Issue: 1 Article Number: L6 DOI: 10.1088/2041-8205/761/1/L6
Published: DEC 10 2012
IAC; Unv La Laguna
ESA: Hubble

393 "Mesa-Delgado, A; Nunez-Diaz, M; Esteban, C; Garcia-Rojas, J; Flores-Fajardo, N; Lopez-Martin, L; Tsamis, YG; Henney, WJ" Ionized gas diagnostics from protoplanetary discs in the Orion nebula and the abundance discrepancy problem MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 426 Issue: 1 Pages: 614-634 DOI: 10.1111/j.1365-2966.2012.21230.x Published: OCT 2012
IAC; Unv La Laguna
CAHA: 3.5m/PMAS

394 "Meyer, M; Raue, M; Mazin, D; Horns, D" Limits on the extragalactic background light in the Fermi era ASTRONOMY & ASTROPHYSICS Volume: 542 Article Number: A59 DOI: 10.1051/0004-6361/201118284 Published: JUN 2012
ORM: MAGIC

395 "Michalowski, MJ; Kamble, A; Hjorth, J; Malesani, D; Reinfrank, RF; Bonavera, L; Ceron, JMC; Ibar, E; Dunlop, JS; Fynbo, JPU; Garrett, MA; Jakobsson, P; Kaplan, DL; Kruhler, T; Levan, AJ; Massardi, M; Pal, S; Sollerman, J; Tanvir, NR; van der Horst, AJ; Wa" THE OPTICALLY UNBIASED GRB HOST (TOUGH) SURVEY. VI. RADIO OBSERVATIONS AT z less than or similar to 1 AND CONSISTENCY WITH TYPICAL STAR-FORMING GALAXIES ASTROPHYSICAL JOURNAL Volume: 755 Issue: 2 Article Number: 85 DOI: 10.1088/0004-637X/755/2/85 Published: AUG 20 2012
ESO (Paranal): VLT

396 "Milone, A. P.; Marino, A. F.; Piotto, G.; Bedin, L. R.; Anderson, J.; Aparicio, A.; Cassisi, S.; Rich, R. M." A DOUBLE MAIN SEQUENCE IN THE GLOBULAR CLUSTER NGC 6397 ASTROPHYSICAL JOURNAL Volume: 745 Issue: 1 Article Number: 27 DOI: 10.1088/0004-637X/745/1/27 Published: JAN 20 2012
IAC; Unv La Laguna
ESA: Hubble

397 "Milone, A. P.; Piotto, G.; Bedin, L. R.; Aparicio, A.; Anderson, J.; Sarajedini, A.; Marino, A. F.; Moretti, A.; Davies, M. B.; Chaboyer, B.; Dotter, A.; Hempel, M.; Marin-Franch, A.; Majewski, S.; Paust, N. E. Q.; Reid, I. N.; Rosenberg, A.; Siegel, M." The ACS survey of Galactic globular clusters XII. Photometric binaries along the main sequence ASTRONOMY & ASTROPHYSICS Volume: 540 Article Number: A16 DOI: 10.1051/0004-6361/201016384
Published: APR 2012
IAC; Unv La Laguna
ESA: Hubble/ACS/WFC

398 "Milone, A. P.; Piotto, G.; Bedin, L. R.; Cassisi, S.; Anderson, J.; Marino, A. F.; Pietrinferni, A.; Aparicio, A." Luminosity and mass functions of the three main sequences of the globular cluster NGC 2808 ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A77 DOI: 10.1051/0004-6361/201116539 Published: JAN 2012
IAC; Unv La Laguna
ESA: Hubble/ACS/WFC

399 "Milone, A. P.; Piotto, G.; Bedin, L. R.; King, I. R.; Anderson, J.; Marino, A. F.; Bellini, A.; Gratton, R.; Renzini, A.; Stetson, P. B.; Cassisi, S.; Aparicio, A.; Bragaglia, A.; Carretta, E.; D'Antona, F.; Di Criscienzo, M.; Lucatello, S.; Monelli, M.; " MULTIPLE STELLAR POPULATIONS IN 47 Tucanae ASTROPHYSICAL JOURNAL Volume: 744 Issue: 1 Article Number: 58 DOI: 10.1088/0004-637X/744/1/58 Published: JAN 1 2012
ESA: Hubble/ACS/WFC3; ESO (La Silla): MPG 2.2m

400 "Milone, AP; Marino, AF; Cassisi, S; Piotto, G; Bedin, LR; Anderson, J; Allard, F; Aparicio, A; Bellini, A; Buonanno, R; Monelli, M; Pietrinferni, A" THE INFRARED EYE OF THE WIDE-FIELD CAMERA 3 ON THE HUBBLE SPACE TELESCOPE REVEALS MULTIPLE MAIN SEQUENCES OF VERY LOW MASS STARS IN NGC 2808

ASTROPHYSICAL JOURNAL LETTERS Volume: 754 Issue: 2 Article Number: L34 DOI:
10.1088/2041-8205/754/2/L34 Published: AUG 1 2012
IAC; Unv La Laguna
ESA: Hubble/WFC3

401 "Miniutti, G; Brandt, WN; Schneider, DP; Fabian, AC; Gallo, LC; Boller, T" Insights on
the X-ray weak quasar phenomenon from XMM-Newton monitoring of PHL 1092
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 425
Issue: 3 Pages: 1718-1737 DOI: 10.1111/j.1365-2966.2012.21648.x Published: SEP 2012
CAB (INTA-CSIC)
ESA: XMM-Newton, Hubble

402 "Miralles-Caballero, D.; Colina, L.; Arribas, S." Extranuclear H alpha-emitting
complexes in low-z (U)LIRGs: precursors of tidal dwarf galaxies? ASTRONOMY &
ASTROPHYSICS Volume: 538 Article Number: A61 DOI: 10.1051/0004-6361/201117438
Published: FEB 2012
CAB (INTA-CSIC)
ESA: Hubble; ORM: WHT; ESO (Paranal): VLT/VIMOS

403 "Miranda, L. F.; Blanco, M.; Guerrero, M. A.; Riera, A." The collimated outflows of the
planetary nebula Hu 1-2: proper motion and radial velocity measurements MONTHLY
NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 421 Issue: 2 Pages:
1661-1665 DOI: 10.1111/j.1365-2966.2012.20423.x Published: APR 2012
IAA-CSIC
ORM: NOT/ALFOSC; OT: IAC-80

404 "Mitchell-Wynne, K; Cooray, A; Gong, Y; Bethermin, M; Bock, J; Franceschini, A; Glenn,
J; Griffin, M; Halpern, M; Marchetti, L; Oliver, SJ; Page, MJ; P'erez-Fournon, I; Schulz, B; Scott,
D; Smidt, J; Smith, A; Vaccari, M; Vigroux, L; Wang, L; Wardlow, JL; "HerMES: A
STATISTICAL MEASUREMENT OF THE REDSHIFT DISTRIBUTION OF HERSCHEL-
SPIRE SOURCES USING THE CROSS-CORRELATION TECHNIQUE
ASTROPHYSICAL JOURNAL Volume: 753 Issue: 1 Article Number: 23 DOI:
10.1088/0004-637X/753/1/23 Published: JUL 1 2012
ESA: Herschel; ESO (Paranal): VLT (COSMOS)

405 "Modica, F.; Vavilkin, T.; Evans, A. S.; Kim, D. -C.; Mazzarella, J. M.; Iwasawa, K.; Petric,
A.; Howell, J. H.; Surace, J. A.; Armus, L.; Spoon, H. W. W.; Sanders, D. B.; Wong, A.; Barnes, J.
E." MULTI-WAVELENGTH GOALS OBSERVATIONS OF STAR FORMATION AND
ACTIVE GALACTIC NUCLEUS ACTIVITY IN THE LUMINOUS INFRARED GALAXY IC
883 ASTRONOMICAL JOURNAL Volume: 143 Issue: 1 Article Number: 16 DOI:
10.1088/0004-6256/143/1/16 Published: JAN 2012
ESA: Hubble/ACS

406 "Moldon, J; Ribo, M; Paredes, JM; Briskin, W; Dhawan, V; Kramer, M; Lyne, AG;
Stappers, BW" On the origin of LS 5039 and PSR J1825-1446 ASTRONOMY &
ASTROPHYSICS Volume: 543 Article Number: A26 DOI: 10.1051/0004-6361/201219205
Published: JUL 2012
IEEC-UB

CAY: 40m (EVN)

407 "Momany, Y.; Saviane, I.; Smette, A.; Bayo, A.; Girardi, L.; Marconi, G.; Milone, A. P.; Bressan, A." The VLT/VISIR mid-IR view of 47 Tucanae A further step in solving the puzzle of RGB mass loss ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A2 DOI: 10.1051/0004-6361/201117223 Published: JAN 2012
ESO (Paranal): VLT/VISIR; ESO (La Silla): NTT; ESA: Hubble, AKARI

408 "Mommert, M; Harris, AW; Kiss, C; Pal, A; Santos-Sanz, P; Stansberry, J; Delsanti, A; Vilenius, E; Muller, TG; Peixinho, N; Lellouch, E; Szalai, N; Henry, F; Duffard, R; Fornasier, S; Hartogh, P; Mueller, M; Ortiz, JL; Protopapa, S; Rengel, M; Thirouin, A" TNOs are cool: A survey of the trans-Neptunian region V. Physical characterization of 18 Plutinos using Herschel-PACS observations ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A93 DOI: 10.1051/0004-6361/201118562 Published: MAY 2012
ESA: Herschel/PACS

409 "Monachesi, Antonela; Trager, Scott C.; Lauer, Tod R.; Hidalgo, Sebastian L.; Freedman, Wendy; Dressler, Alan; Grillmair, Carl; Mighell, Kenneth J." THE STAR FORMATION HISTORY OF M32 ASTROPHYSICAL JOURNAL Volume: 745 Issue: 1 Article Number: 97 DOI: 10.1088/0004-637X/745/1/97 Published: JAN 20 2012
ESA: Hubble/ACS

410 "Monelli, M.; Bernard, E. J.; Gallart, C.; Fiorentino, G.; Drozdovsky, I.; Aparicio, A.; Bono, G.; Cassisi, S.; Skillman, E. D.; Stetson, P. B." Variable stars in the Cetus dwarf spheroidal galaxy: population gradients and connections with the star formation history MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 422 Issue: 1 Pages: 89-105 DOI: 10.1111/j.1365-2966.2012.20539.x Published: MAY 2012
IAC; Unv La Laguna
ESO (Paranal): VLT/VIMOS

411 "Monelli, M.; Cassisi, S.; Mapelli, M.; Bernard, E. J.; Aparicio, A.; Skillman, E. D.; Stetson, P. B.; Gallart, C.; Hidalgo, S. L.; Mayer, L.; Tolstoy, E." THE ACS LCID PROJECT. VII. THE BLUE STRAGGLERS POPULATION IN THE ISOLATED dSph GALAXIES CETUS AND TUCANA ASTROPHYSICAL JOURNAL Volume: 744 Issue: 2 Article Number: 157 DOI: 10.1088/0004-637X/744/2/157 Published: JAN 10 2012
IAC; Unv La Laguna
ESA: Hubble/ACS

412 "Monreal-Ibero, A; Walsh, JR; Vilchez, JM" The ionized gas in the central region of NGC 5253 2D mapping of the physical and chemical properties ASTRONOMY & ASTROPHYSICS Volume: 544 Article Number: A60 DOI: 10.1051/0004-6361/201219543 Published: AUG 2012
IAA-CSIC
ESO (Paranal): VLT/FLAMES

413 "Mookerjya, B; Hassel, GE; Gerin, M; Giesen, T; Stutzki, J; Herbst, E; Black, JH; Goldsmith, PF; Menten, KM; Krelowski, J; De Luca, M; Csengeri, T; Joblin, C; Kazmierczak, M; Schmidt, M; Goicoechea, JR; Cernicharo, J" Chemistry of C-3 and carbon chain molecules

in DR21(OH) ASTRONOMY & ASTROPHYSICS Volume: 546 Article Number: A75
DOI: 10.1051/0004-6361/201219287 Published: OCT 2012
ESA: Herschel/HIFI

414 "Morata, O; Girart, JM; Estalella, R; Garrod, RT" Probing the physical and chemical structure of the CS core in LDN 673: multitransitional and continuum observations MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 425 Issue: 3 Pages: 1980-1991 DOI: 10.1111/j.1365-2966.2012.21521.x Published: SEP 2012
IRAM: 30m

415 "Morelli, L; Corsini, EM; Pizzella, A; Dalla Bonta, E; Coccato, L; Mendez-Abreu, J; Cesetti, M" Structure and dynamics of galaxies with a low surface-brightness disc - II. Stellar populations of bulges MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 423 Issue: 1 Pages: 962-982 DOI: 10.1111/j.1365-2966.2012.20938.x Published: JUN 2012
ESO (Paranal): VLT/FORS2

416 "Moreno, F; Licandro, J; Cabrera-Lavers, A" A SHORT-DURATION EVENT AS THE CAUSE OF DUST EJECTION FROM MAIN-BELT COMET P/2012 F5 (GIBBS) ASTROPHYSICAL JOURNAL LETTERS Volume: 761 Issue: 1 Article Number: L12 DOI: 10.1088/2041-8205/761/1/L12 Published: DEC 10 2012
IAA-CSIC
GTC/OSIRIS

417 "Moreno, R; Lellouch, E; Lara, LM; Feuchtgruber, H; Rengel, M; Hartogh, P; Courtin, R" The abundance, vertical distribution and origin of H₂O in Titan's atmosphere: Herschel observations and photochemical modelling ICARUS Volume: 221 Issue: 2 Pages: 753-767 DOI: 10.1016/j.icarus.2012.09.006 Published: NOV-DEC 2012
ESA: Herschel/HIFI/PACS

418 "Motiyenko, RA; Tercero, B; Cernicharo, J; Margules, L" Rotational spectrum of formamide up to 1 THz and first ISM detection of its nu(12) vibrational state ASTRONOMY & ASTROPHYSICS Volume: 548 Article Number: A71 DOI: 10.1051/0004-6361/201220033 Published: DEC 2012
IRAM: 30m

419 "Motta, V; Mediavilla, E; Falco, E; Munoz, JA" MEASURING MICROLENSING USING SPECTRA OF MULTIPLY LENSED QUASARS ASTROPHYSICAL JOURNAL Volume: 755 Issue: 1 Article Number: 82 DOI: 10.1088/0004-637X/755/1/82 Published: AUG 10 2012
ESA: Hubble/STIS; ESO: (Paranal): VLT/FORS2

420 "Mullaney, J. R.; Pannella, M.; Daddi, E.; Alexander, D. M.; Elbaz, D.; Hickox, R. C.; Bournaud, F.; Altieri, B.; Aussel, H.; Coia, D.; Dannerbauer, H.; Dasyra, K.; Dickinson, M.; Hwang, H. S.; Kartaltepe, J.; Leiton, R.; Magdis, G.; Magnelli, B.; Popesso," GOODS-Herschel: the far-infrared view of star formation in active galactic nucleus host galaxies since z similar to 3 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY

Volume: 419 Issue: 1 Pages: 95-115 DOI: 10.1111/j.1365-2966.2011.19675.x Published: JAN 2012

ESA: Herschel

421 "Muller, TG; O'Rourke, L; Barucci, AM; Pal, A; Kiss, C; Zeidler, P; Altieri, B; Gonzalez-Garcia, BM; Kuppers, M" Physical properties of OSIRIS-REx target asteroid (101955) 1999 RQ(36) ASTRONOMY & ASTROPHYSICS Volume: 548 Article Number: A36 DOI: 10.1051/0004-6361/201220066 Published: DEC 2012

ESA: Herschel/PACS; ESO (Paranal): VLT/VISIR

422 "Munoz, AG; Mills, FP" The June 2012 transit of Venus Framework for interpretation of observations ASTRONOMY & ASTROPHYSICS Volume: 547 Article Number: A22 DOI: 10.1051/0004-6361/201219738 Published: NOV 2012

UPV

ORM: DOT

423 "Muñoz, AG; Osorio, MRZ; Barrena, R; Montanes-Rodriguez, P; Martin, EL; Palle, E" GLANCING VIEWS OF THE EARTH: FROM A LUNAR ECLIPSE TO AN EXOPLANETARY TRANSIT ASTROPHYSICAL JOURNAL Volume: 755 Issue: 2 Article Number: 103 DOI: 10.1088/0004-637X/755/2/103 Published: AUG 20 2012

IAC; Unv La Laguna

ORM: WHT/LIRIS

424 "Murgas, F; Palle, E; Cabrera-Lavers, A; Colon, KD; Martin, EL; Parviainen, H" Narrow band H alpha photometry of the super-Earth GJ 1214b with GTC/OSIRIS tunable filters ASTRONOMY & ASTROPHYSICS Volume: 544 Article Number: A41 DOI: 10.1051/0004-6361/201219380 Published: AUG 2012

IAC; Unv La Laguna

GTC/OSIRIS

425 "Murphy, SJ; Grigahcene, A; Niemczura, E; Kurtz, DW; Uytterhoeven, K" Pulsational amplitude growth of the star KIC 3429637 (HD 178875) in the context of Am and rho Pup stars MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 427 Issue: 2 Pages: 1418-1428 Published: DEC 2012

ORM: NOT

426 "Muzzin, A; Labbe, I; Franx, M; van Dokkum, P; Holt, J; Szomoru, D; van de Sande, J; Brammer, G; Marchesini, D; Stefanon, M; Buitrago, F; Caputi, KI; Dunlop, J; Fynbo, JPU; Le Fevre, O; McCracken, HJ; Milvang-Jensen, B" A STRONGLY LENSED MASSIVE ULTRACOMPACT QUIESCENT GALAXY AT z similar to 2.4 IN THE COSMOS/UltraVISTA FIELD ASTROPHYSICAL JOURNAL Volume: 761 Issue: 2 Article Number: 142 DOI: 10.1088/0004-637X/761/2/142 Published: DEC 20 2012

ESA: Hubble/ACS; ESO (Paranal): VISTA

427 "Nalewajko, K; Sikora, M; Madejski, GM; Exter, K; Szostek, A; Szczerba, R; Kidger, MR; Lorente, R" HERSCHEL PACS AND SPIRE OBSERVATIONS OF BLAZAR PKS 1510-089: A CASE FOR TWO BLAZAR ZONES ASTROPHYSICAL JOURNAL Volume: 760 Issue: 1 Article Number: 69 DOI: 10.1088/0004-637X/760/1/69 Published: NOV 20 2012

ESA: Herschel/PACS/SPIRE

428 "Navarro, S. G.; Corradi, R. L. M.; Mampaso, A." Automatic spectral classification of stellar spectra with low signal-to-noise ratio using artificial neural networks ASTRONOMY & ASTROPHYSICS Volume: 538 Article Number: A76 DOI: 10.1051/0004-6361/201016422
Published: FEB 2012

IAC

ORM: WHT

429 "Nefs, SV; Birkby, JL; Snellen, IAG; Hodgkin, ST; Pinfield, DJ; Sipocz, B; Kovacs, G; Mislis, D; Saglia, RP; Koppenhoefer, J; Cruz, P; Barrado, D; Martin, EL; Goulding, N; Stoev, H; Zendejas, J; del Burgo, C; Cappetta, M; Pavlenko, YV" Four ultra-short-period eclipsing M-dwarf binaries in the WFCAM Transit Survey MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 425 Issue: 2 Pages: 950-968 DOI: 10.1111/j.1365-2966.2012.21338.x Published: SEP 2012

ORM: INT/WFCAM, WHT

430 "Negrete, CA; Dultzin, D; Marziani, P; Sulentic, JW" BROAD-LINE REGION PHYSICAL CONDITIONS IN EXTREME POPULATION A QUASARS: A METHOD TO ESTIMATE CENTRAL BLACK HOLE MASS AT HIGH REDSHIFT ASTROPHYSICAL JOURNAL Volume: 757 Issue: 1 Article Number: 62 DOI: 10.1088/0004-637X/757/1/62
Published: SEP 20 2012

ESA: Hubble

431 "Negueruela, I; Marco, A; Gonzalez-Fernandez, C; Jimenez-Esteban, F; Clark, JS; Garcia, M; Solano, E" Red supergiants around the obscured open cluster Stephenson 2 ASTRONOMY & ASTROPHYSICS Volume: 547 Article Number: A15 DOI: 10.1051/0004-6361/201219540
Published: NOV 2012

UA

ORM: WHT

432 "Negueruela, Ignacio; Marco, Amparo" THE YOUNG OPEN CLUSTER BERKELEY 55 ASTRONOMICAL JOURNAL Volume: 143 Issue: 2 Article Number: 46 DOI: 10.1088/0004-6256/143/2/46 Published: FEB 2012

Unv Alicante

ORM: NOT/ALFOSC, WHT/ISIS

433 "Neiner, C; Floquet, M; Samadi, R; Lara, FE; Fremat, Y; Mathis, S; Leroy, B; de Batz, B; Rainer, M; Poretti, E; Mathias, P; Flo, JG; Buil, C; Ribeiro, J; Alecian, E; Andrade, L; Briquet, M; Diago, PD; Emilio, M; Fabregat, J; Gutierrez-Soto, J; Hubert, AM;" Stochastic gravito-inertial modes discovered by CoRoT in the hot Be star HD51452 ASTRONOMY & ASTROPHYSICS Volume: 546 Article Number: A47 DOI: 10.1051/0004-6361/201219820 Published: OCT 2012

ESA: CoRoT; ESO (La Silla): 3.6m/HARPS

434 "Ness, J. -U.; Schaefer, B. E.; Dobrotka, A.; Sadowski, A.; Drake, J. J.; Barnard, R.; Talavera, A.; Gonzalez-Riestra, R.; Page, K. L.; Hernanz, M.; Sala, G.; Starrfield, S." FROM X-RAY DIPS TO ECLIPSE: WITNESSING DISK REFORMATION IN THE RECURRENT NOVA

U Sco ASTROPHYSICAL JOURNAL Volume: 745 Issue: 1 Article Number: 43 DOI:
10.1088/0004-637X/745/1/43 Published: JAN 20 2012
ESAC
ESA: XMM-Newton

435 Ness, JU High-resolution spectroscopy and high-density monitoring in X-rays of
novae BULLETIN OF THE ASTRONOMICAL SOCIETY OF INDIA Volume: 40 Issue: 3
Pages: 353-376 Published: SEP 2012
ESAC
ESA: XMM-Newton

436 "Nieuwenhuijzen, H; De Jager, C; Kolka, I; Israelian, G; Lobel, A; Zsoldos, E; Maeder, A;
Meynet, G" The hypergiant HR 8752 evolving through the yellow evolutionary void
ASTRONOMY & ASTROPHYSICS Volume: 546 Article Number: A105 DOI:
10.1051/0004-6361/201117166 Published: OCT 2012
ORM: NOT/SOFIN, WHT/UES; ESA: Hipparcos

437 "Nordon, R.; Lutz, D.; Genzel, R.; Berta, S.; Wuyts, S.; Magnelli, B.; Altieri, B.; Andreani,
P.; Aussel, H.; Bongiovanni, A.; Cepa, J.; Cimatti, A.; Daddi, E.; Fadda, D.; Schreiber, N. M.
Foerster; Lagache, G.; Maiolino, R.; Perez Garcia, A. M.; Poglitsch" THE IMPACT OF
EVOLVING INFRARED SPECTRAL ENERGY DISTRIBUTIONS OF GALAXIES ON STAR
FORMATION RATE ESTIMATES ASTROPHYSICAL JOURNAL Volume: 745 Issue: 2
Article Number: 182 DOI: 10.1088/0004-637X/745/2/182 Published: FEB 1 2012
ESA: Herschel/PACS

438 "Nucita, AA; De Paolis, F; Saxton, R; Read, AM" The XMM-Newton slew view of
IGRJ17361-4441: A transient in the globular cluster NGC 6388 NEW ASTRONOMY
Volume: 17 Issue: 6 Pages: 589-593 DOI: 10.1016/j.newast.2012.02.001 Published: AUG
2012
ESA: INTEGRAL; XMM-Newton

439 "Nunez-Diaz, M.; Mesa-Delgado, A.; Esteban, C.; Lopez-Martin, L.; Garcia-Rojas, J.;
Luridiana, V." Exploring the effects of high-velocity flows in abundance determinations in H ii
regions: bidimensional spectroscopy of HH 204 in the Orion nebula MONTHLY NOTICES
OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 421 Issue: 4 Pages: 3399-3408
DOI: 10.1111/j.1365-2966.2012.20565.x Published: APR 2012
IAC; Unv La Laguna
CAHA: 3.5m/PMAS; ESA: Hubble

440 "Oliver, SJ; Bock, J; Altieri, B; Amblard, A; Arumugam, V; Aussel, H; Babbedge, T;
Beelen, A; Bethermin, M; Blain, A; Boselli, A; Bridge, C; Brisbin, D; Buat, V; Burgarella, D;
Castro-Rodriguez, N; Cava, A; Chania, P; Cirasuolo, M; Clements, DL; Conley, A;" The
Herschel Multi-tiered Extragalactic Survey: HerMES MONTHLY NOTICES OF THE
ROYAL ASTRONOMICAL SOCIETY Volume: 424 Issue: 3 Pages: 1614-1635 DOI:
10.1111/j.1365-2966.2012.20912.x Published: AUG 2012
ESA: Herschel

- 441 "Ollivier, M; Gillon, M; Santerne, A; Wuchterl, G; Havel, M; Bruntt, H; Borde, P; Pasternacki, T; Endl, M; Gandolfi, D; Aigrain, S; Almenara, JM; Alonso, R; Auvergne, M; Baglin, A; Barge, P; Bonomo, AS; Bouchy, F; Cabrera, J; Carone, L; Carpano, S; Cavarro" Transiting exoplanets from the CoRoT space mission XXII. CoRoT-16b: a hot Jupiter with a hint of eccentricity around a faint solar-like star ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A149 DOI: 10.1051/0004-6361/201117460 Published: MAY 2012 ESA: CoRoT; ESO (La Silla): 3.6m/HARPS
- 442 "Olofsson, G; Nilsson, R; Floren, HG; Djupvik, A; Aberasturi, M" Polarimetric coronagraphy of BD+31 degrees 643 ASTRONOMY & ASTROPHYSICS Volume: 544 Article Number: A43 DOI: 10.1051/0004-6361/201219247 Published: AUG 2012 ORM: INT, NOT
- 443 "Orienti, M.; Prieto, M. A.; Brunetti, G.; Mack, K. -H.; Massaro, F.; Harris, D. E." Complex particle acceleration processes in the hotspots of 3C 105 and 3C 445 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 419 Issue: 3 Pages: 2338-2348 DOI: 10.1111/j.1365-2966.2011.19882.x Published: JAN 2012 ESO (Paranal): VLT/ISAAC/FORS; ESA: Hubble
- 444 "Orjales, JMC; Stevens, JA; Jarvis, MJ; Smith, DJB; Hardcastle, MJ; Auld, R; Baes, M; Cava, A; Clements, DL; Cooray, A; Coppin, K; Dariush, A; De Zotti, G; Dunne, L; Dye, S; Eales, S; Hopwood, R; Hoyos, C; Ibar, E; Ivison, RJ; Maddox, S; Page, MJ; Valiante" Herschel-ATLAS: the far-infrared properties and star formation rates of broad absorption line quasi-stellar objects MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 427 Issue: 2 Pages: 1209-1218 DOI: 10.1111/j.1365-2966.2012.22049.x Published: DEC 2012 ESA: Herschel
- 445 "O'Rourke, L; Muller, T; Valtchanov, I; Altieri, B; Gonzalez-Garcia, BM; Bhattacharya, B; Jorda, L; Carry, B; Koppers, M; Groussin, O; Altwegg, K; Barucci, MA; Bockelee-Morvan, D; Crovisier, J; Dotto, E; Garcia-Lario, P; Kidger, M; Llorente, A; Lorente, R;" Thermal and shape properties of asteroid (21) Lutetia from Herschel observations around the Rosetta flyby PLANETARY AND SPACE SCIENCE Volume: 66 Issue: 1 Special Issue: SI Pages: 192-199 DOI: 10.1016/j.pss.2012.01.004 Published: JUN 2012 ESAC ESA: Rosetta/OSIRIS, Herschel/PACS/SPIRE; ESO (Paranal): VLT/VISIR
- 446 "Ortiz, JL; Sicardy, B; Braga-Ribas, F; Alvarez-Candal, A; Lellouch, E; Duffard, R; Pinilla-Alonso, N; Ivanov, VD; Littlefair, SP; Camargo, JIB; Assafin, M; Unda-Sanzana, E; Jehin, E; Morales, N; Tancredi, G; Gil-Hutton, R; De la Cueva, I; Colque, JP; Neto" Albedo and atmospheric constraints of dwarf planet Makemake from a stellar occultation NATURE Volume: 491 Issue: 7425 Pages: 566-569 DOI: 10.1038/nature11597 Published: NOV 22 2012 IAA-CSIC ESO (Paranal): VLT/ISAAC; ESO (La Silla): NTT/ULTRACAM
- 447 "Oschlisniok, J; Hausler, B; Patzold, M; Tyler, GL; Bird, MK; Tellmann, S; Remus, S; Andert, T" Microwave absorptivity by sulfuric acid in the Venus atmosphere: First results from the Venus Express Radio Science experiment VeRa ICARUS Volume: 221 Issue: 2 Pages: 940-948 DOI: 10.1016/j.icarus.2012.09.029 Published: NOV-DEC 2012

ESA: Venus Express (VeRa experiment)

448 "Oskinova, L. M.; Gayley, K. G.; Hamann, W-R; Huenemoerder, D. P.; Ignace, R.; Pollock, A. M. T." HIGH-RESOLUTION X-RAY SPECTROSCOPY REVEALS THE SPECIAL NATURE OF WOLF-RAYET STAR WINDS ASTROPHYSICAL JOURNAL LETTERS Volume: 747 Issue: 2 Article Number: L25 DOI: 10.1088/2041-8205/747/2/L25 Published: MAR 10 2012
ESA: XMM-Newton

449 "Oteo, I; Bongiovanni, A; Garcia, AMP; Cepa, J; Ederoclite, A; Sanchez-Portal, M; Pintos-Castro, I; Perez-Martinez, R; Berta, S; Magnelli, B; Popesso, P; Pozzi, F; Poglitsch, A; Lutz, D; Genzel, R; Tacconi, L; Schreiber, NF; Sturm, E; Elbaz, D; Aussel, H; " Herschel-PACS far-infrared detections of Lyman-alpha emitters at 2.0 less than or similar to z less than or similar to 3.5 ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A65 DOI: 10.1051/0004-6361/201016261 Published: MAY 2012
IAC; Unv La Laguna
ESA: Herschel/PACS; ESO (Paranal): VLT/VIMOS

450 "Oteo, I; Bongiovanni, A; Garcia, AMP; Cepa, J; Ederoclite, A; Sanchez-Portal, M; Pintos-Castro, I; Perez-Martinez, R; Lutz, D; Altieri, B; Andreani, P; Aussel, H; Berta, S; Cimatti, A; Daddi, E; Elbaz, D; Schreiber, NF; Genzel, R; Le Floc'h, E; Magnelli, " PHYSICAL PROPERTIES OF Ly alpha EMITTERS AT z similar to 0.3 FROM UV-TO-FIR MEASUREMENTS ASTROPHYSICAL JOURNAL Volume: 751 Issue: 2 Article Number: 139 DOI: 10.1088/0004-637X/751/2/139 Published: JUN 1 2012
IAC; Unv La Laguna
ESA: Herschel/PACS, Hubble/ACS

451 "Oti-Floranes, H; Mas-Hesse, JM; Jimenez-Bailon, E; Schaerer, D; Hayes, M; Ostlin, G; Atek, H; Kunth, D" Multiwavelength analysis of the Lyman-alpha emitting galaxy Haro 2: relation between the diffuse Lyman-alpha and soft X-ray emissions ASTRONOMY & ASTROPHYSICS Volume: 546 Article Number: A65 DOI: 10.1051/0004-6361/201219318 Published: OCT 2012
CAB (INTA-CSIC); UC
ESA: Hubble; ORM: WHT/ISIS, NOT/ALFOSC

452 "Pacciani, L; Donnarumma, I; Denney, KD; Assef, RJ; Ikejiri, Y; Yamanaka, M; Uemura, M; Domingo, A; Giommi, P; Tarchi, A; Verrecchia, F; Longo, F; Raino, S; Giusti, M; Vercellone, S; Chen, AW; Striani, E; Vittorini, V; Tavani, M; Bulgarelli, A; Giuliani, A" The characterization of the distant blazar GB6 J1239+0443 from flaring and low activity periods MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 425 Issue: 3 Pages: 2015-2026 DOI: 10.1111/j.1365-2966.2012.21540.x Published: SEP 2012
ESA: INTEGRAL

453 "Page, MJ; Brindle, C; Talavera, A; Still, M; Rosen, SR; Yershov, VN; Ziaeeppour, H; Mason, KO; Cropper, MS; Breeveld, AA; Loiseau, N; Mignani, R; Smith, A; Murdin, P" The XMM-Newton serendipitous ultraviolet source survey catalogue MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 426 Issue: 2 Pages: 903-926 DOI: 10.1111/j.1365-2966.2012.21706.x Published: OCT 2012

ESA: XMM-Newton

454 "Page, MJ; Symeonidis, M; Vieira, JD; Altieri, B; Amblard, A; Arumugam, V; Aussel, H; Babbedge, T; Blain, A; Bock, J; Boselli, A; Buat, V; Castro-Rodriguez, N; Cava, A; Chanial, P; Clements, DL; Conley, A; Conversi, L; Cooray, A; Dowell, CD; Dubois, EN; Du" The suppression of star formation by powerful active galactic nuclei NATURE Volume: 485 Issue: 7397 Pages: 213-216 DOI: 10.1038/nature11096 Published: MAY 10 2012
ESA: Herschel/SPIRE

455 "Pajola, M; Lazzarin, M; Bertini, I; Marzari, F; Turrini, D; Magrin, S; La Forgia, F; Thomas, N; Koppers, M; Moissl, R; Ferri, F; Barbieri, C; Rickman, H; Sierks, H" Spectrophotometric investigation of Phobos with the Rosetta OSIRIS-NAC camera and implications for its collisional capture MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 427 Issue: 4 Pages: 3230-3243 DOI: 10.1111/j.1365-2966.2012.22026.x Published: DEC 2012
ESA: Rosetta/OSIRIS

456 "Pal, A; Kiss, C; Muller, TG; Santos-Sanz, P; Vilenius, E; Szalai, N; Mommert, M; Lellouch, E; Rengel, M; Hartogh, P; Protopapa, S; Stansberry, J; Ortiz, JL; Duffard, R; Thirouin, A; Henry, F; Delsanti, A" TNOs are Cool: A survey of the trans-Neptunian region VII. Size and surface characteristics of (90377) Sedna and 2010 EK139 ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: L6 DOI: 10.1051/0004-6361/201218874 Published: MAY 2012
ESA: Herschel/PACS

457 "Palau, A; de Gregorio-Monsalvo, I; Morata, O; Stamatellos, D; Huelamo, N; Eiroa, C; Bayo, A; Morales-Calderon, M; Bouy, H; Ribas, A; Asmus, D; Barrado, D" A search for pre-substellar cores and proto-brown dwarf candidates in Taurus: multiwavelength analysis in the B213-L1495 clouds MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 424 Issue: 4 Pages: 2778-2791 DOI: 10.1111/j.1365-2966.2012.21390.x Published: AUG 2012
IEEC-CSIC
IRAM: 30m; ESO: APEX/LABOCA; CAHA: 3.5m/omega2000

458 "Pancino, E; Altavilla, G; Marinoni, S; Coccozza, G; Carrasco, JM; Bellazzini, M; Bragaglia, A; Federici, L; Rossetti, E; Cacciari, C; Nunez, LB; Castro, A; Figueras, F; Pecci, FF; Galleti, S; Gebran, M; Jordi, C; Lardo, C; Masana, E; Monguio, M; Montegriff" The Gaia spectrophotometric standard stars survey - I. Preliminary results MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 426 Issue: 3 Pages: 1767-1781 DOI: 10.1111/j.1365-2966.2012.21766.x Published: NOV 2012
ESO (La Silla): NTT/EFOSC2; CAHA: 2.2m/CAFOS; ORM: TNG/DOLORES

459 "Pancrazi, B; Webb, NA; Becker, W; Cognard, I; Guillemot, L; Hill, AB; Jackson, M; Mignani, RP; Rea, N" X-ray follow-up observations of the two gamma-ray pulsars PSR J1459-6053 and PSR J1614-2230 ASTRONOMY & ASTROPHYSICS Volume: 544 Article Number: A108 DOI: 10.1051/0004-6361/201117888 Published: AUG 2012
ESA: XMM-Newton

- 460 "Papitto, A; Di Salvo, T; Burderi, L; Belloni, TM; Stella, L; Bozzo, E; D'Ai, A; Ferrigno, C; Iaria, R; Motta, S; Riggio, A; Tramacere, A" The pulse profile and spin evolution of the accreting pulsar in Terzan 5, IGR J17480-2446, during its 2010 outburst MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 423 Issue: 2 Pages: 1178-1193 DOI: 10.1111/j.1365-2966.2012.20945.x Published: JUN 2012 IEEC-CSIC ESA: INTEGRAL
- 461 "Pastorello, A.; Pumo, M. L.; Navasardyan, H.; Zampieri, L.; Turatto, M.; Sollerman, J.; Taddia, F.; Kankare, E.; Mattila, S.; Nicolas, J.; Prosperi, E.; San Segundo Delgado, A.; Taubenberger, S.; Boles, T.; Bachini, M.; Benetti, S.; Bufano, F.; Cappellaro" SN 2009E: a faint clone of SN 1987A ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A141 DOI: 10.1051/0004-6361/201118112 Published: JAN 2012 ORM: TNG/LRS/LRR, NOT/ALFOSC; CAHA: 2.2m/CAFOS
- 462 "Patzold, M; Endl, M; Csizmadia, S; Gandolfi, D; Jorda, L; Grziwa, S; Carone, L; Pasternacki, T; Aigrain, S; Almenara, JM; Alonso, R; Auvergne, M; Baglin, A; Barge, P; Bonomo, AS; Borde, P; Bouchy, F; Cabrera, J; Cavarroc, C; Cochran, WB; Deleuil, M; Deeg," Transiting exoplanets from the CoRoT space mission XXIII. CoRoT-21b: a doomed large Jupiter around a faint subgiant star ASTRONOMY & ASTROPHYSICS Volume: 545 Article Number: A6 DOI: 10.1051/0004-6361/201118425 Published: SEP 2012 ESA. CoRoT; ESO (La Silla): 3.6m/HARPS; OT: IAC80
- 463 "Peletier, Reynier F.; Kutdemir, Elif; van der Wolk, Guido; Falcon-Barroso, Jesus; Bacon, Roland; Bureau, Martin; Cappellari, Michele; Davies, Roger L.; de Zeeuw, P. Tim; Emsellem, Eric; Krajnovic, Davor; Kuntschner, Harald; McDermid, Richard M.; Sarzi, Ma" The SAURON project - XX. The Spitzer [3.6] - [4.5] colour in early-type galaxies: colours, colour gradients and inverted scaling relations MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 419 Issue: 3 Pages: 2031-2053 DOI: 10.1111/j.1365-2966.2011.19855.x Published: JAN 2012 ORM: WHT
- 464 "Penner, K; Dickinson, M; Pope, A; Dey, A; Magnelli, B; Pannella, M; Altieri, B; Aussel, H; Buat, V; Bussmann, S; Charmandaris, V; Coia, D; Daddi, E; Dannerbauer, H; Elbaz, D; Hwang, HS; Kartaltepe, J; Lin, LH; Magdis, G; Morrison, G; Popesso, P; Scott, D;" EVIDENCE FOR A WIDE RANGE OF ULTRAVIOLET OBSCURATION IN z similar to 2 DUSTY GALAXIES FROM THE GOODS-HERSCHEL SURVEY ASTROPHYSICAL JOURNAL Volume: 759 Issue: 1 Article Number: 28 DOI: 10.1088/0004-637X/759/1/28 Published: NOV 1 2012 ESA: Herschel (GOODS survey)
- 465 "Peralta, J; Luz, D; Berry, DL; Tsang, CCC; Sanchez-Lavega, A; Hueso, R; Piccioni, G; Drossart, P" Solar migrating atmospheric tides in the winds of the polar region of Venus ICARUS Volume: 220 Issue: 2 Pages: 958-970 DOI: 10.1016/j.icarus.2012.06.015 Published: AUG 2012 ESA: Venus Express

466 "Perez, I.; Aguerri, J. A. L.; Mendez-Abreu, J." Bar pattern speed evolution over the last 7 Gyr ASTRONOMY & ASTROPHYSICS Volume: 540 Article Number: A103 DOI: 10.1051/0004-6361/201118396 Published: APR 2012

Unv Granada

ESA: Hubble; ESO (Paranal): VLT

467 "Perez-Hoyos, S.; Sanz-Requena, J. F.; Barrado-Izagirre, N.; Rojas, J. F.; Sanchez-Lavega, A." The 2009-2010 fade of Jupiter's South Equatorial Belt: Vertical cloud structure models and zonal winds from visible imaging ICARUS Volume: 217 Issue: 1 Pages: 256-271 DOI: 10.1016/j.icarus.2011.11.008 Published: JAN 2012

UPV

ESA: Hubble

468 "Perez-Hoyos, S; Sanz-Requena, JF; Sanchez-Lavega, A; Wong, MH; Hammel, HB; Orton, GS; de Pater, I; Simon-Miller, AA; Clarke, JT; Noll, K" Vertical cloud structure of the 2009 Jupiter impact based on HST/WFC3 observations ICARUS Volume: 221 Issue: 2 Pages: 1061-1078 DOI: 10.1016/j.icarus.2012.10.012 Published: NOV-DEC 2012

UPV

ESA: Hubble/WFC3

469 "Persson, CM; De Luca, M; Mookerjea, B; Olofsson, AOH; Black, JH; Gerin, M; Herbst, E; Bell, TA; Coutens, A; Godard, B; Goicoechea, JR; Hassel, GE; Hily-Blant, P; Menten, KM; Muller, HSP; Pearson, JC; Yu, S" Nitrogen hydrides in interstellar gas II. Analysis of Herschel/HIFI observations towards W49N and G10.6-0.4 (W31C) ASTRONOMY & ASTROPHYSICS Volume: 543 Article Number: A145 DOI: 10.1051/0004-6361/201118686 Published: JUL 2012

ESA: Herschel/HIFI

470 "Pety, J; Gratier, P; Guzman, V; Roueff, E; Gerin, M; Goicoechea, JR; Bardeau, S; Sievers, A; Le Petit, F; Le Bourlot, J; Belloche, A; Talbi, D" The IRAM-30 m line survey of the Horsehead PDR II. First detection of the l-C3H+ hydrocarbon cation ASTRONOMY & ASTROPHYSICS Volume: 548 Article Number: A68 DOI: 10.1051/0004-6361/201220062 Published: DEC 2012

IRAM: 30m

471 "Pierini, D.; Suhada, R.; Fassbender, R.; Nastasi, A.; Boehringer, H.; Salvato, M.; Pratt, G. W.; Lerchster, M.; Rosati, P.; Santos, J. S.; de Hoon, A.; Kohnert, J.; Lamer, G.; Mohr, J. J.; Muehleger, M.; Quintana, H.; Schwoppe, A.; Biffi, V.; Chon, G.; Gi" First simultaneous optical/near-infrared imaging of an X-ray selected, high-redshift cluster of galaxies with GROND The galaxy population of XMMU J0338.7+0030 at z=1.1 ASTRONOMY & ASTROPHYSICS Volume: 540 Article Number: A45 DOI: 10.1051/0004-6361/201116674 Published: APR 2012

ESA: XMM-Newton; ESO (Paranal): VLT/FORS2; ESO (La Silla): MPG 2.2m/GROND; CAHA: 3.5m/OMEGA2000

472 "Pilleri, P; Fuente, A; Cernicharo, J; Ossenkopf, V; Berne, O; Gerin, M; Pety, J; Goicoechea, JR; Rizzo, JR; Montillaud, J; Gonzalez-Garcia, M; Joblin, C; Le Bourlot, J; Le Petit, F; Kramer, C" Herschel/HIFI observations of CO, H2O and NH3 in Monoceros R2

ASTRONOMY & ASTROPHYSICS Volume: 544 Article Number: A110 DOI:
10.1051/0004-6361/201118481 Published: AUG 2012
CAB (INTA-CSIC); OAN
ESA: Herschel/HIFI; IRAM: 30m

473 "Pinfield, D. J.; Burningham, B.; Lodieu, N.; Leggett, S. K.; Tinney, C. G.; van Spaandonk, L.; Marocco, F.; Smart, R.; Gomes, J.; Smith, L.; Lucas, P. W.; Day-Jones, A. C.; Murray, D. N.; Katsiyannis, A. C.; Catalan, S.; Cardoso, C.; Clarke, J. R. A.; Fol"Discovery of the benchmark metal-poor T8 dwarf BD+01 degrees 2920B MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 422 Issue: 3 Pages: 1922-1932 DOI: 10.1111/j.1365-2966.2012.20549.x Published: MAY 2012
ESO (Paranal): VISTA; ORM: TNG

474 "Pinto, C; Ness, JU; Verbunt, F; Kaastra, JS; Costantini, E; Detmers, RG" A phenomenological model for the X-ray spectrum of nova V2491 Cygni ASTRONOMY & ASTROPHYSICS Volume: 543 Article Number: A134 DOI: 10.1051/0004-6361/201117835 Published: JUL 2012
ESA:XMM-Newton

475 "Piotto, G; Milone, AP; Anderson, J; Bedin, LR; Bellini, A; Cassisi, S; Marino, AF; Aparicio, A; Nascimbeni, V" HUBBLE SPACE TELESCOPE REVEALS MULTIPLE SUB-GIANT BRANCH IN EIGHT GLOBULAR CLUSTERS ASTROPHYSICAL JOURNAL Volume: 760 Issue: 1 Article Number: 39 DOI: 10.1088/0004-637X/760/1/39 Published: NOV 20 2012
ESA: Hubble/WFC/ACS

476 "Plauchu-Frayn, I; Del Olmo, A; Coziol, R; Torres-Papaqui, JP" The star formation histories of Hickson compact group galaxies ASTRONOMY & ASTROPHYSICS Volume: 546 Article Number: A48 DOI: 10.1051/0004-6361/201219916 Published: OCT 2012
IAA-CISC
CAHA: 2.2m; ORM: NOT/ALFOSC

477 "Podio, L; Kamp, I; Flower, D; Howard, C; Sandell, G; Mora, A; Aresu, G; Brittain, S; Dent, WRF; Pinte, C; White, GJ" Herschel/PACS observations of young sources in Taurus: the far-infrared counterpart of optical jets ASTRONOMY & ASTROPHYSICS Volume: 545 Article Number: A44 DOI: 10.1051/0004-6361/201219475 Published: SEP 2012
ESA: Herschel/PACS

478 Pollock, A. M. T. Ion-ion charge exchange and X-rays from the winds of hot stars ASTRONOMISCHE NACHRICHTEN Volume: 333 Issue: 4 Pages: 351-354 DOI: 10.1002/asna.201211668 Published: APR 2012
ESAC
ESA: XMM-Newton

- 479 "Ponti, G; Papadakis, I; Bianchi, S; Guainazzi, M; Matt, G; Uttley, P; Bonilla, NF"
CAIXA: a catalogue of AGN in the XMM-Newton archive III. Excess variance analysis
ASTRONOMY & ASTROPHYSICS Volume: 542 Article Number: A83 DOI:
10.1051/0004-6361/201118326 Published: JUN 2012
ESA: XMM-Newton
- 480 "Popesso, P.; Biviano, A.; Rodighiero, G.; Baronchelli, I.; Salvato, M.; Saintonge, A.;
Finoguenov, A.; Magnelli, B.; Gruppioni, C.; Pozzi, F.; Lutz, D.; Elbaz, D.; Altieri, B.; Andreani,
P.; Aussel, H.; Berta, S.; Capak, P.; Cava, A.; Cimatti, A.; Coia, D" The evolution of the star
formation activity per halo mass up to redshift similar to 1.6 as seen by Herschel ASTRONOMY &
ASTROPHYSICS Volume: 537 Article Number: A58 DOI: 10.1051/0004-6361/201117973
Published: JAN 2012
ESA: Herschel; ESO (Paranal): VLT/VIMOS
- 481 "Postigo, AD; Fynbo, JPU; Thone, CC; Christensen, L; Gorosabel, J; Milvang-Jensen, B;
Schulze, S; Jakobsson, P; Wiersema, K; Sanchez-Ramirez, R; Leloudas, G; Zafar, T; Malesani, D;
Hjorth, J" The distribution of equivalent widths in long GRB afterglow spectra
ASTRONOMY & ASTROPHYSICS Volume: 548 Article Number: A11 DOI:
10.1051/0004-6361/201219894 Published: DEC 2012
IAA-CSIC
ESO (Paranal): VLT/UVES/FORS2; ORM: NOT/ALFOSC
- 482 "Postman, M; Lauer, TR; Donahue, M; Graves, G; Coe, D; Moustakas, J; Koekemoer, A;
Bradley, L; Ford, HC; Grillo, C; Zitrin, A; Lemze, D; Broadhurst, T; Moustakas, L; Ascaso, B;
Medezinski, E; Kelson, D" A BRIGHTEST CLUSTER GALAXY WITH AN EXTREMELY
LARGE FLAT CORE ASTROPHYSICAL JOURNAL Volume: 756 Issue: 2 Article
Number: 159 DOI: 10.1088/0004-637X/756/2/159 Published: SEP 10 2012
ESA: Hubble
- 483 "Postman, Marc; Coe, Dan; Benitez, Narciso; Bradley, Larry; Broadhurst, Tom; Donahue,
Megan; Ford, Holland; Graur, Or; Graves, Genevieve; Jouvel, Stephanie; Koekemoer, Anton;
Lemze, Doron; Medezinski, Elinor; Molino, Alberto; Moustakas, Leonidas; Ogaz, Sar" THE
CLUSTER LENSING AND SUPERNOVA SURVEY WITH HUBBLE: AN OVERVIEW
ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES Volume: 199 Issue: 2 Article
Number: 25 DOI: 10.1088/0067-0049/199/2/25 Published: APR 2012
ESA: Hubble, XMM-Newton
- 484 "Povic, M; Sanchez-Portal, M; Garcia, AMP; Bongiovanni, A; Cepa, J; Huertas-Company,
M; Lara-Lopez, MA; Lorenzo, MF; Ederoclite, A; Alfaro, E; Castaneda, H; Gallego, J; Gonzalez-
Serrano, JI; Gonzalez, JJ" AGN-host galaxy connection: morphology and colours of X-ray
selected AGN at $z \leq 2$ ASTRONOMY & ASTROPHYSICS Volume: 541 Article
Number: A118 DOI: 10.1051/0004-6361/201117314 Published: MAY 2012
IAC; IAA-CSIC
ESA: XMM-Newton

485 "Presotto, V.; Iovino, A.; Scodiggio, M.; Cucciati, O.; Knobel, C.; Bolzonella, M.; Oesch, P.; Finoguenov, A.; Tanaka, M.; Kovac, K.; Peng, Y.; Zamorani, G.; Bardelli, S.; Pozzetti, L.; Kampczyk, P.; Lopez-Sanjuan, C.; Vergani, D.; Zucca, E.; Tasca, L. A. " A journey from the outskirts to the cores of groups I. Color- and mass-segregation in 20K-zCOSMOS groups ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A55 DOI: 10.1051/0004-6361/201118293 Published: MAR 2012
ESA: Hubble/ACS; ESO (Paranal): VLT/VIMOS

486 "Provencal, JL; Montgomery, MH; Kanaan, A; Thompson, SE; Dalessio, J; Shipman, HL; Childers, D; Clemens, JC; Rosen, R; Henrique, P; Bischoff-Kim, A; Strickland, W; Chandler, D; Walter, B; Watson, TK; Castanheira, B; Wang, S; Handler, G; Wood, M; Vennes, S;"
EMPIRICAL DETERMINATION OF CONVECTION PARAMETERS IN WHITE DWARFS. I. WHOLE EARTH TELESCOPE OBSERVATIONS OF EC14012-1446 ASTROPHYSICAL JOURNAL Volume: 751 Issue: 2 Article Number: 91 DOI: 10.1088/0004-637X/751/2/91
Published: JUN 1 2012
OT: IAC-80

487 "Pyrzas, S.; Gaensicke, B. T.; Thorstensen, J. R.; Aungwerojwit, A.; Boyd, D.; Brady, S.; Casares, J.; Hickman, R. D. G.; Marsh, T. R.; Miller, I.; Oegmen, Y.; Pietz, J.; Poyner, G.; Rodriguez-Gil, P.; Staels, B." HS 2325+8205-An Ideal Laboratory for Accretion Disk Physics PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC Volume: 124 Issue: 913 Pages: 204-211 DOI: 10.1086/664959 Published: MAR 2012
CAHA: 2.2m/CAFOS; ORM: NOT/ALFOSC

488 "Queyrel, J.; Contini, T.; Kissler-Patig, M.; Epinat, B.; Amram, P.; Garilli, B.; Le Fevre, O.; Moulta, J.; Paioro, L.; Tasca, L.; Tresse, L.; Vergani, D.; Lopez-Sanjuan, C.; Perez-Montero, E." MASSIV: Mass Assembly Survey with SINFONI in VVDS III. Evidence for positive metallicity gradients in z similar to 1.2 star-forming galaxies ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A93 DOI: 10.1051/0004-6361/201117718 Published: MAR 2012
ESO (Paranal): VLT/SINFONI

489 "Rahoui, F.; Coriat, M.; Corbel, S.; Cadolle Bel, M.; Tomsick, J. A.; Lee, J. C.; Rodriguez, J.; Russell, D. M.; Migliari, S." Optical and near-infrared spectroscopy of the black hole GX 339-4-I. A focus on the continuum in the low/hard and high/soft states MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 422 Issue: 3 Pages: 2202-2212
DOI: 10.1111/j.1365-2966.2012.20763.x Published: MAY 2012
ESO (Paranal): VLT/ISAAC/FORS2

490 "Rainer, M; Poretti, E; Mathias, P; Aerts, C; Amado, PJ; Uytterhoeven, K" The CoRoT ground-based asteroseismological programme ASTRONOMISCHE NACHRICHTEN Volume: 333 Issue: 10 Special Issue: SI Pages: 1061-1064 DOI: 10.1002/asna.201211794
Published: DEC 2012
ESA: CoRoT; ESO (La Silla): 3.6m/HARPS, MPG 2.2m/FEROS; CAHA: 2.2m/FOCES; ORM: NOT/FIES, Mercator/HERMES

491 "Raiteri, CM; Villata, M; Smith, PS; Larionov, VM; Acosta-Pulido, JA; Aller, MF; D'Ammando, F; Gurwell, MA; Jorstad, SG; Joshi, M; Kurtanidze, OM; Lahteenmaki, A; Mirzaqulov, DO; Agudo, I; Aller, HD; Arevalo, MJ; Arkharov, AA; Bach, U; Benitez, E; Berdyugi" Variability of the blazar 4C 38.41 (B3 1633+382) from GHz frequencies to GeV energies ASTRONOMY & ASTROPHYSICS Volume: 545 DOI: 10.1051/0004-6361/201219492 Published: SEP 2012

CAHA: 2.2m; IRAM: 30m; OT: IAC-80, TCS; ORM: LT, KVA

492 "Ramirez, I; Fish, JR; Lambert, DL; Prieto, CA" LITHIUM ABUNDANCES IN NEARBY FGK DWARF AND SUBGIANT STARS: INTERNAL DESTRUCTION, GALACTIC CHEMICAL EVOLUTION, AND EXOPLANETS ASTROPHYSICAL JOURNAL Volume: 756 Issue: 1 Article Number: 46 DOI: 10.1088/0004-637X/756/1/46 Published: SEP 1 2012 ESO (Paranal): VLT/UVES

493 "Ramirez, KP; Bejar, VJS; Osorio, MRZ; Petr-Gotzens, MG; Martin, EL" NEW ISOLATED PLANETARY-MASS OBJECTS AND THE STELLAR AND SUBSTELLAR MASS FUNCTION OF THE sigma ORIONIS CLUSTER ASTROPHYSICAL JOURNAL Volume: 754 Issue: 1 Article Number: 30 DOI: 10.1088/0004-637X/754/1/30 Published: JUL 20 2012 IAC

ESO (Paranal): VISTA ; ORM: INT/WFC

494 "Ramos-Larios, G.; Guerrero, M. A.; Vazquez, R.; Phillips, J. P." Optical and infrared imaging and spectroscopy of the multiple-shell planetary nebula NGC 6369 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 420 Issue: 3 Pages: 1977-1989 DOI: 10.1111/j.1365-2966.2011.20075.x Published: MAR 2012

ORM: NOT, WHT/LIRIS; ESA: Hubble

495 "Ramos-Larios, G; Guerrero, MA; Suarez, O; Miranda, LF; Gomez, JF" Searching for heavily obscured post-AGB stars and planetary nebulae II. Near-IR observations of IRAS sources ASTRONOMY & ASTROPHYSICS Volume: 545 Article Number: A20 DOI: 10.1051/0004-6361/201218838 Published: SEP 2012

IAA-CSIC

ESA: AKARI; ORM: TNG/NICS; ESO (La Silla): NTT/SOFI

496 "Ramos-Larios, G; Vazquez, R; Guerrero, MA; Olguin, L; Marquez-Lugo, RA; Bravo-Alfaro, H" Discovery of multiple shells around the planetary nebula IC 418 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 423 Issue: 4 Pages: 3753-3760 DOI: 10.1111/j.1365-2966.2012.21165.x Published: JUL 2012

ESA: Hubble; ORM: TNG

497 "Rao, NK; Lambert, DL; Garcia-Hernandez, DA; Jeffery, CS; Woolf, VM; McArthur, B" THE HOT R CORONAE BOREALIS STAR DY CENTAURI IS A BINARY ASTROPHYSICAL JOURNAL LETTERS Volume: 760 Issue: 1 Article Number: L3 DOI: 10.1088/2041-8205/760/1/L3 Published: NOV 20 2012

ESO (Paranal): VLT/UVES

498 "Rawle, T. D.; Edge, A. C.; Egami, E.; Rex, M.; Smith, G. P.; Altieri, B.; Fiedler, A.; Haines, C. P.; Pereira, M. J.; Perez-Gonzalez, P. G.; Portouw, J.; Valtchanov, I.; Walth, G.; van der Werf, P. P.; Zemcov, M." THE RELATION BETWEEN COOL CLUSTER CORES AND HERSCHEL-DETECTED STAR FORMATION IN BRIGHTEST CLUSTER GALAXIES ASTROPHYSICAL JOURNAL Volume: 747 Issue: 1 Article Number: 29 DOI: 10.1088/0004-637X/747/1/29 Published: MAR 1 2012
ESA: Herschel

499 "Rawle, TD; Rex, M; Egami, E; Chung, SM; Perez-Gonzalez, PG; Smail, I; Walth, G; Altieri, B; Appleton, P; Alba, AB; Blain, AW; Dessauges-Zavadsky, M; Fadda, D; Gonzalez, AH; Pereira, MJ; Valtchanov, I; van der Werf, PP; Zemcov, M""DISCOVERY OF ""WARM DUST"" GALAXIES IN CLUSTERS AT z similar to 0.3: EVIDENCE FOR STRIPPING OF COOL DUST IN THE DENSE ENVIRONMENT?" ASTROPHYSICAL JOURNAL Volume: 756 Issue: 2 Article Number: 106 DOI: 10.1088/0004-637X/756/2/106 Published: SEP 10 2012
ESA: Herschel

500 "Rea, N; Israel, GL; Esposito, P; Pons, JA; Camero-Arranz, A; Mignani, RP; Turolla, R; Zane, S; Burgay, M; Possenti, A; Campana, S; Enoto, T; Gehrels, N; Gogus, E; Gotz, D; Kouveliotou, C; Makishima, K; Mereghetti, S; Oates, SR; Palmer, DM; Perna, R; Stell" A NEW LOW MAGNETIC FIELD MAGNETAR: THE 2011 OUTBURST OF SWIFT J1822.3-1606 ASTROPHYSICAL JOURNAL Volume: 754 Issue: 1 Article Number: 27 DOI: 10.1088/0004-637X/754/1/27 Published: JUL 20 2012
IEEC-CSIC
ESA: XMM-Newton; Suzaku; GTC/OSIRIS

501 "Recio-Blanco, A.; de Laverny, P.; Worley, C.; Santos, N. C.; Melo, C.; Israelian, G." Fluorine abundances in dwarf stars of the solar neighbourhood ASTRONOMY & ASTROPHYSICS Volume: 538 Article Number: A117 DOI: 10.1051/0004-6361/201118261 Published: FEB 2012
ESO (Paranal): VLT/CRIRES/FEROS

502 "Reddy, N.; Dickinson, M.; Elbaz, D.; Morrison, G.; Giavalisco, M.; Ivison, R.; Papovich, C.; Scott, D.; Buat, V.; Burgarella, D.; Charmandaris, V.; Daddi, E.; Magdis, G.; Murphy, E.; Altieri, B.; Aussel, H.; Dannerbauer, H.; Dasyra, K.; Hwang, H. S.; Kart" GOODS-HERSCHEL MEASUREMENTS OF THE DUST ATTENUATION OF TYPICAL STAR-FORMING GALAXIES AT HIGH REDSHIFT: OBSERVATIONS OF ULTRAVIOLET-SELECTED GALAXIES AT z similar to 2 ASTROPHYSICAL JOURNAL Volume: 744 Issue: 2 Article Number: 154 DOI: 10.1088/0004-637X/744/2/154 Published: JAN 10 2012
ESA: Herschel (GOODS-N)

503 "Reig, P; Torrejon, JM; Blay, P" Accreting magnetars: a new type of high-mass X-ray binaries? MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 425 Issue: 1 Pages: 595-604 DOI: 10.1111/j.1365-2966.2012.21509.x Published: SEP 2012
ESA: XMM-Newton, INTEGRAL

- 504 "Requena-Torres, MA; Gusten, R; Weiss, A; Harris, AI; Martin-Pintado, J; Stutzki, J; Klein, B; Heyminck, S; Risacher, C" GREAT confirms transient nature of the circum-nuclear disk
 ASTRONOMY & ASTROPHYSICS Volume: 542 Article Number: L21 DOI:
 10.1051/0004-6361/201219068 Published: JUN 2012
 ESA: Herschel/HIFI; ESO: APEX; IRAM: 30m
- 505 "Resmi, L; Misra, K; Johannesson, G; Castro-Tirado, AJ; Gorosabel, J; Jelinek, M; Bhattacharya, D; Kubanek, P; Anupama, GC; Sota, A; Sahu, DK; Postigo, AD; Pandey, SB; Sanchez-Ramirez, R; Bremer, M; Sagar, R" Comprehensive multiwavelength modelling of the afterglow of GRB 050525A
 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 427 Issue: 1 Pages: 288-297 DOI: 10.1111/j.1365-2966.2012.21713.x
 Published: NOV 2012
 IRAM: PdBI; ORM: Mercator, INT; CAHA: 2.2m, 3.5m
- 506 "Rezaei, R.; Beck, C.; Schmidt, W." Variation in sunspot properties between 1999 and 2011 as observed with the Tenerife Infrared Polarimeter
 ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A60 DOI: 10.1051/0004-6361/201118635 Published: MAY 2012
 OT: VTT
- 507 "Riaz, B.; Martin, E. L.; Tata, R.; Monin, J. -L.; Phan-Bao, N.; Bouy, H." Young stellar objects in NGC 6823
 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 419 Issue: 3 Pages: 1887-1912 DOI: 10.1111/j.1365-2966.2011.19841.x Published: JAN 2012
 ORM: WHT/WFC
- 508 "Rica, F. M.; Barrera, R.; Vazquez, G.; Henriquez, J. A.; Hernandez, F." Orbit determination of close binary systems using lucky imaging
 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 419 Issue: 1 Pages: 197-210 DOI: 10.1111/j.1365-2966.2011.19685.x Published: JAN 2012
 Sociedad Astronómica de Mérida
 OT: TCS/FastCam
- 509 "Rica, FM; Caballero, JA" COOL DWARFS IN WIDE MULTIPLE SYSTEMS PAPER 4: A COMMON-PROPER-MOTION PAIR OF TWO IDENTICAL MID-M DWARFS SEPARATED BY ABOUT 10 000 AU
 OBSERVATORY Volume: 132 Issue: 1230
 Pages: 305-309 Published: OCT 2012
 Agrupac Astron Merida
 OT: IAC80
- 510 "Richichi, A.; Chen, W. P.; Cusano, F.; Fors, O.; Moerchen, M.; Komonjinda, S." An investigation of binary stars in the Pleiades with high contrast and spatial resolution
 ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A96 DOI: 10.1051/0004-6361/201219041 Published: MAY 2012
 ESO (Paranal): VLT/ISAAC

511 "Richichi, A; Fors, O; Cusano, F; Moerchen, M" A CATALOG OF NEAR-IR SOURCES FOUND TO BE UNRESOLVED WITH MILLIARCSECOND RESOLUTION ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES Volume: 203 Issue: 2 Article Number: 33 DOI: 10.1088/0067-0049/203/2/33 Published: DEC 2012 ESO (Paranal): VLT/ISAAC

512 "Rimoldini, L; Dubath, P; Suveges, M; Lopez, M; Sarro, LM; Blomme, J; De Ridder, J; Cuyppers, J; Guy, L; Mowlavi, N; Lecoeur-Taibi, I; Beck, M; Jan, A; Nienartowicz, K; Ordonez-Blanco, D; Lebzelter, T; Eyer, L" Automated classification of Hipparcos unsolved variables MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 427 Issue: 4 Pages: 2917-2937 DOI: 10.1111/j.1365-2966.2012.21752.x Published: DEC 2012 ESA: Hipparcos

513 "Riquelme, M. S.; Torrejon, J. M.; Negueruela, I." Circumstellar emission in Be/X-ray binaries of the Magellanic Clouds and the Milky Way ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A114 DOI: 10.1051/0004-6361/201117738 Published: MAR 2012 Unv Alicante ORM: NOT/ALFOSC; ESO (La Silla): NTT/EMMI

514 "Rivero Gonzalez, J. G.; Puls, J.; Najarro, F.; Brott, I." Nitrogen line spectroscopy of O-stars II. Surface nitrogen abundances for O-stars in the Large Magellanic Cloud ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A79 DOI: 10.1051/0004-6361/201117790 Published: JAN 2012 ESO (Paranal): VLT/FLAMES

515 "Riviere-Marichalar, P.; Menard, F.; Thi, W. F.; Kamp, I.; Montesinos, B.; Meeus, G.; Woitke, P.; Howard, C.; Sandell, G.; Podio, L.; Dent, W. R. F.; Mendigutia, I.; Pinte, C.; White, G. J.; Barrado, D." Detection of warm water vapour in Taurus protoplanetary discs by Herschel ASTRONOMY & ASTROPHYSICS Volume: 538 Article Number: L3 DOI: 10.1051/0004-6361/201118448 Published: FEB 2012 CAB (INTA-CSIC) ESA: Herschel/PACS

516 "Riviere-Marichalar, P; Barrado, D; Augereau, JC; Thi, WF; Roberge, A; Eiroa, C; Montesinos, B; Meeus, G; Howard, C; Sandell, G; Duchene, G; Dent, WRF; Lebreton, J; Mendigutia, I; Huelamo, N; Menard, F; Pinte, C" HD 172555: detection of 63 μ m [OI] emission in a debris disc ASTRONOMY & ASTROPHYSICS Volume: 546 Article Number: L8 DOI: 10.1051/0004-6361/201219745 Published: OCT 2012 CAB (INTA-CSIC) ESA: Herschel/PACS

517 "Roberts, JF; Jimenez-Serra, I; Gusdorf, A; Martin-Pintado, J" The search for the magnetic precursor of C-type shocks in young molecular outflows ASTRONOMY & ASTROPHYSICS Volume: 544 Article Number: A150 DOI: 10.1051/0004-6361/201219024 Published: AUG 2012 CAB (INTA-CSIC) IRAM: 30m

518 "Rodler, F; Lopez-Morales, M; Ribas, I" WEIGHING THE NON-TRANSITING HOT JUPITER tau Boo b ASTROPHYSICAL JOURNAL LETTERS Volume: 753 Issue: 1 Article Number: L25 DOI: 10.1088/2041-8205/753/1/L25 Published: JUL 1 2012

IIEC-CSIC

ESO (Paranal): VLT/CRIRES

519 "Rodriguez, L. F.; Gonzalez, R. F.; Raga, A. C.; Canto, J.; Riera, A.; Loinard, L.; Dzib, S. A.; Zapata, L. A." Radio continuum emission from knots in the DG Tauri jet ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A123 DOI: 10.1051/0004-6361/201117991 Published: JAN 2012

ORM: NOT/ALFOSC

520 "Rodriguez-Gil, P.; Schmidtobreick, L.; Long, K. S.; Gaensicke, B. T.; Torres, M. A. P.; Rubio-Diez, M. M.; Santander-Garcia, M." The fight for accretion: discovery of intermittent mass transfer in BB Doradus in the low state MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 422 Issue: 3 Pages: 2332-2340 DOI: 10.1111/j.1365-2966.2012.20783.x Published: MAY 2012

IAC; Unv La Laguna

ESO (La Silla): NTT/EFOSC2

521 "Rodriguez-Ledesma, MV; Mundt, R; Ibrahimov, M; Messina, S; Parihar, P; Hessman, FV; de Oliveira, CA; Herbst, A" An unusual very low-mass high-amplitude pre-main sequence periodic variable ASTRONOMY & ASTROPHYSICS Volume: 544 Article Number: A112 DOI: 10.1051/0004-6361/201118649 Published: AUG 2012

ESO (La Silla): MPG 2.2m/WFI

522 "Rodriguez-Pacheco, J; Blanco, JJ; Heber, B; Gomez-Herrero, R" Energetic Particles Measured in and out of the Ecliptic Plane During the Last Gnevyshev Gap SOLAR PHYSICS Volume: 281 Issue: 1 Pages: 491-499 DOI: 10.1007/s11207-012-9977-9

Published: NOV 2012

UAH

ESA: SOHO, Ulysses

523 "Roelfsema, P. R.; Helmich, F. P.; Teyssier, D.; Ossenkopf, V.; Morris, P.; Olberg, M.; Shipman, R.; Risacher, C.; Akyilmaz, M.; Assendorp, R.; Avruch, I. M.; Beintema, D.; Biver, N.; Boogert, A.; Borys, C.; Braine, J.; Caris, M.; Caux, E.; Cernicharo, J.;" In-orbit performance of Herschel-HIFI ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A17 DOI: 10.1051/0004-6361/201015120 Published: JAN 2012

ESA: Herschel-HIFI

524 "Roman-Zuniga, C. G.; Frau, P.; Girart, J. M.; Alves, Joao F." BARNARD 59: NO EVIDENCE FOR FURTHER FRAGMENTATION ASTROPHYSICAL JOURNAL Volume: 747 Issue: 2 Article Number: 149 DOI: 10.1088/0004-637X/747/2/149 Published: MAR 10 2012

IRAM: 30m; CAHA: 3.5m/OMEGA2000

525 "Romero, Gisela A.; Schreiber, Matthias R.; Cieza, Lucas A.; Rebassa-Mansergas, Alberto; Merin, Bruno; Smith Castelli, Analia V.; Allen, Lori E.; Morrell, Nidia" THE NATURE OF TRANSITION CIRCUMSTELLAR DISKS. II. SOUTHERN MOLECULAR CLOUDS ASTROPHYSICAL JOURNAL Volume: 749 Issue: 1 Article Number: 79 DOI: 10.1088/0004-637X/749/1/79 Published: APR 10 2012 ESO: APEX/LABOCA; ESO (Paranal): VLT/NACO

526 "Romero-Canizales, C; Perez-Torres, MA; Alberdi, A; Argo, MK; Beswick, RJ; Kankare, E; Batejat, F; Efstathiou, A; Mattila, S; Conway, JE; Garrington, ST; Muxlow, TWB; Ryder, SD; Vaisanen, P" e-MERLIN and VLBI observations of the luminous infrared galaxy IC 883: a nuclear starburst and an AGN candidate revealed ASTRONOMY & ASTROPHYSICS Volume: 543 Article Number: A72 DOI: 10.1051/0004-6361/201218816 Published: JUL 2012 IAA-CSIC CAY: 40m (EVN)

527 "Romero-Canizales, Cristina; Angel Perez-Torres, Miguel; Alberdi, Antxon" EVN observations of the farthest and brightest ULIRGs in the local Universe: the case of IRAS 23365+3604 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 422 Issue: 1 Pages: 510-520 DOI: 10.1111/j.1365-2966.2012.20627.x Published: MAY 2012 IAA-CSIC CAY: 40m

528 "Rosales-Ortega, F. F.; Arribas, S.; Colina, L." Integrated spectra extraction based on signal-to-noise optimization using integral field spectroscopy ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A73 DOI: 10.1051/0004-6361/201117774 Published: MAR 2012 CAB (INTA-CSIC); UAM ESO (Paranal): VLT/VIMOS

529 "Rosales-Ortega, FF; Sanchez, SF; Iglesias-Paramo, J; Diaz, AI; Vilchez, JM; Bland-Hawthorn, J; Husemann, B; Mast, D" A NEW SCALING RELATION FOR H II REGIONS IN SPIRAL GALAXIES: UNVEILING THE TRUE NATURE OF THE MASS-METALLICITY RELATION ASTROPHYSICAL JOURNAL LETTERS Volume: 756 Issue: 2 Article Number: L31 DOI: 10.1088/2041-8205/756/2/L31 Published: SEP 10 2012 UAM CAHA: 3.5m/PMAS

530 "Rosario, DJ; Santini, P; Lutz, D; Shao, L; Maiolino, R; Alexander, DM; Altieri, B; Andreani, P; Aussel, H; Bauer, FE; Berta, S; Bongiovanni, A; Brandt, WN; Brusa, M; Cepa, J; Cimatti, A; Cox, TJ; Daddi, E; Elbaz, D; Fontana, A; Schreiber, NMF; Genzel, R;" The mean star formation rate of X-ray selected active galaxies and its evolution from z similar to 2.5: results from PEP-Herschel ASTRONOMY & ASTROPHYSICS Volume: 545 Article Number: A45 DOI: 10.1051/0004-6361/201219258 Published: SEP 2012 ESA: Herschel/PACS

531 "Roseboom, I. G.; Ivison, R. J.; Greve, T. R.; Amblard, A.; Arumugam, V.; Auld, R.; Aussel, H.; Bethermin, M.; Blain, A.; Bock, J.; Boselli, A.; Brisbin, D.; Buat, V.; Burgarella, D.; Castro-Rodriguez, N.; Cava, A.; Chanial, P.; Chapin, E.; Chapman, S.; Cl" The Herschel Multi-tiered Extragalactic Survey: SPIRE-mm photometric redshifts MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 419 Issue: 4 Pages: 2758-2773 DOI: 10.1111/j.1365-2966.2011.19827.x Published: FEB 2012
ESA: Herschel/SPIRE

532 "Rossi, A; Klose, S; Ferrero, P; Greiner, J; Arnold, LA; Gonsalves, E; Hartmann, DH; Updike, AC; Kann, DA; Kruhler, T; Palazzi, E; Savaglio, S; Schulze, S; Afonso, PMJ; Amati, L; Castro-Tirado, AJ; Clemens, C; Filgas, R; Gorosabel, J; Hunt, LK; Yoldas, AK;"A deep search for the host galaxies of gamma-ray bursts with no detected optical afterglow ASTRONOMY & ASTROPHYSICS Volume: 545 Article Number: A77 DOI: 10.1051/0004-6361/201117201 Published: SEP 2012
ESO (Paranal): VLT/FORS1, FORS2, VIMOS, ISAAC, and HAWK-I; ESO (La Silla):MPG 2.2m/GROND, NTT/SOFI

533 "Rouan, D.; Parviainen, H.; Moutou, C.; Deleuil, M.; Fridlund, M.; Ofir, A.; Havel, M.; Aigrain, S.; Alonso, R.; Auvergne, M.; Baglin, A.; Barge, P.; Bonomo, A. S.; Borde, P.; Bouchy, F.; Cabrera, J.; Cavarroc, C.; Csizmadia, Sz; Deeg, H. J.; Diaz, R. F.; " Transiting exoplanets from the CoRoT space mission XIX. CoRoT-23b: a dense hot Jupiter on an eccentric orbit ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A54 DOI: 10.1051/0004-6361/201117916 Published: JAN 2012
ESA: CoRoT; ESO (La Silla): 3.6m/HARPS; ORM: INT

534 "Rovilos, E; Comastri, A; Gilli, R; Georgantopoulos, I; Ranalli, P; Vignali, C; Lusso, E; Cappelluti, N; Zamorani, G; Elbaz, D; Dickinson, M; Hwang, HS; Charmandaris, V; Ivison, RJ; Merloni, A; Daddi, E; Carrera, FJ; Brandt, WN; Mullaney, JR; Scott, D; Ale" GOODS-Herschel: ultra-deep XMM-Newton observations reveal AGN/star-formation connection ASTRONOMY & ASTROPHYSICS Volume: 546 Article Number: A58 DOI: 10.1051/0004-6361/201218952 Published: OCT 2012
ESA: Herschel, XMM-Newton

535 "Rowlands, K.; Dunne, L.; Maddox, S.; Bourne, N.; Gomez, H. L.; Kaviraj, S.; Bamford, S. P.; Brough, S.; Charlot, S.; da Cunha, E.; Driver, S. P.; Eales, S. A.; Hopkins, A. M.; Kelvin, L.; Nichol, R. C.; Sansom, A. E.; Sharp, R.; Smith, D. J. B.; Temi, P.;" Herschel-ATLAS/GAMA: dusty early-type galaxies and passive spirals MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 419 Issue: 3 Pages: 2545-2578 DOI: 10.1111/j.1365-2966.2011.19905.x Published: JAN 2012
ESA: Herschel/PACS/SPIRE; ESO (Paranal): VST, VISTA

536 "Rubio, LRB; Suarez, DO" PERVASIVE LINEAR POLARIZATION SIGNALS IN THE QUIET SUN ASTROPHYSICAL JOURNAL Volume: 757 Issue: 1 Article Number: 19 DOI: 10.1088/0004-637X/757/1/19 Published: SEP 20 2012
IAA-CSIC
ESA: Hinode

- 537 "Russell, D. M.; Curran, P. A.; Munoz-Darias, T.; Lewis, F.; Motta, S.; Stiele, H.; Belloni, T.; Miller-Jones, J. C. A.; Jonker, P. G.; O'Brien, K.; Homan, J.; Casella, P.; Gandhi, P.; Soleri, P.; Markoff, S.; Maitra, D.; Gallo, E.; Cadolle Bel, M." A late jet rebrightening revealed from multiwavelength monitoring of the black hole candidate XTE J1752-223 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 419 Issue: 2 Pages: 1740-1751 DOI: 10.1111/j.1365-2966.2011.19839.x Published: JAN 2012
ORM: WHT/LIRIS; ESO (Paranal): VLT/VISIR
- 538 "Russell, D. M.; O'Brien, K.; Munoz-Darias, T.; Casella, P.; Gandhi, P.; Revnivtsev, M. G." The near-infrared counterpart of 4U 1636-53 ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A53 DOI: 10.1051/0004-6361/201118033 Published: MAR 2012
IAC
ESO (Paranal): VLT/ISAAC
- 539 "Sabbi, E; Lennon, DJ; Gieles, M; de Mink, SE; Walborn, NR; Anderson, J; Bellini, A; Panagia, N; van der Marel, R; Apellaniz, JM" A DOUBLE CLUSTER AT THE CORE OF 30 DORADUS ASTROPHYSICAL JOURNAL LETTERS Volume: 754 Issue: 2 Article Number: L37 DOI: 10.1088/2041-8205/754/2/L37 Published: AUG 1 2012
ESA: Hubble/WFC3
- 540 "Saintonge, A; Tacconi, LJ; Fabello, S; Wang, J; Catinella, B; Genzel, R; Gracia-Carpio, J; Kramer, C; Moran, S; Heckman, TM; Schiminovich, D; Schuster, K; Wuyts, S" THE IMPACT OF INTERACTIONS, BARS, BULGES, AND ACTIVE GALACTIC NUCLEI ON STAR FORMATION EFFICIENCY IN LOCAL MASSIVE GALAXIES ASTROPHYSICAL JOURNAL Volume: 758 Issue: 2 Article Number: 73 DOI: 10.1088/0004-637X/758/2/73 Published: OCT 20 2012
IRAM: 30m
- 541 "Saito, R. K.; Hempel, M.; Minniti, D.; Lucas, P. W.; Rejkuba, M.; Toledo, I.; Gonzalez, O. A.; Alonso-Garcia, J.; Irwin, M. J.; Gonzalez-Solares, E.; Hodgkin, S. T.; Lewis, J. R.; Cross, N.; Ivanov, V. D.; Kerins, E.; Emerson, J. P.; Soto, M.; Amores, E. " VVV DR1: The first data release of the Milky Way bulge and southern plane from the near-infrared ESO public survey VISTA variables in the Via Lactea ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A107 DOI: 10.1051/0004-6361/201118407 Published: JAN 2012
ESO (Paranal): VISTA
- 542 "Sanchez, HD; Mignoli, M; Pozzi, F; Calura, F; Cimatti, A; Gruppioni, C; Cepa, J; Portal, MS; Zamorani, G; Berta, S; Elbaz, D; Le Floc'h, E; Granato, GL; Lutz, D; Maiolino, R; Matteucci, F; Nair, P; Nordon, R; Pozzetti, L; Silva, L; Silverman, J; Wuyts, S;" Comparison of star formation rates from Ha and infrared luminosity as seen by Herschel MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 426 Issue: 1 Pages: 330-341 DOI: 10.1111/j.1365-2966.2012.21710.x Published: OCT 2012
IAC
ESA: Herschel

543 "Sanchez, S. F.; Kennicutt, R. C.; Gil de Paz, A.; van de Ven, G.; Vilchez, J. M.; Wisotzki, L.; Walcher, C. J.; Mast, D.; Aguerri, J. A. L.; Albiol-Perez, S.; Alonso-Herrero, A.; Alves, J.; Bakos, J.; Bartakova, T.; Bland-Hawthorn, J.; Boselli, A.; Bomans" CALIFA, the Calar Alto Legacy Integral Field Area survey I. Survey presentation ASTRONOMY & ASTROPHYSICS Volume: 538 Article Number: A8 DOI: 10.1051/0004-6361/201117353 Published: FEB 2012 CAHA CAHA: 3.5m/PMAS

544 "Sanchez, SF; Rosales-Ortega, FF; Marino, RA; Iglesias-Paramo, J; Vilchez, JM; Kennicutt, RC; Diaz, AI; Mast, D; Monreal-Ibero, A; Garcia-Benito, R; Bland-Hawthorn, J; Perez, E; Delgado, RG; Husemann, B; Lopez-Sanchez, AR; Fernandes, RC; Kehrig, C; Walcher" Integral field spectroscopy of a sample of nearby galaxies II. Properties of the H parallel to regions ASTRONOMY & ASTROPHYSICS Volume: 546 Article Number: A2 DOI: 10.1051/0004-6361/201219578 Published: OCT 2012 IAA-CISC CAHA: 3.5m/PMAS

545 "Sanchez-Ayaso, E.; Combi, J. A.; Albacete Colombo, J. F.; Lopez-Santiago, J.; Marti, J.; Munoz-Arjonilla, A. J." A multiwavelength study of the supernova remnant G296.8-0.3 ASTROPHYSICS AND SPACE SCIENCE Volume: 337 Issue: 2 Pages: 573-579 DOI: 10.1007/s10509-011-0886-4 Published: FEB 2012 Unv Jaén ESA: XMM-Newton

546 "Sanchez-Gallego, JR; Knapen, JH; Wilson, CD; Barmby, P; Azimlu, M; Courteau, S" The JCMT Nearby Galaxies Legacy Survey - VII. H imaging and massive star formation properties MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 422 Issue: 4 Pages: 3208-3248 DOI: 10.1111/j.1365-2966.2012.20845.x Published: JUN 2012 IAC; Unv La Laguna ORM: NOT/ALFOSC, WHT/ACAM, INT/WFC; CAHA: 1.23m

547 "Sanchez-Lavega, A; del Rio-Gaztelurrutia, T; Delcroix, M; Legarreta, JJ; Gomez-Forrellad, JM; Hueso, R; Garcia-Melendo, E; Perez-Hoyos, S; Barrado-Navascues, D; Lillo, J" Ground-based observations of the long-term evolution and death of Saturn's 2010 Great White Spot ICARUS Volume: 220 Issue: 2 Pages: 561-576 DOI: 10.1016/j.icarus.2012.05.033 Published: AUG 2012 UPV CAHA: 1.23m/Astralux

548 "Sanchez-Janssen, R; Aguerri, JAL" Globular cluster systems as tracers of environmental effects on Virgo early-type dwarfs MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 424 Issue: 4 Pages: 2614-2624 DOI: 10.1111/j.1365-2966.2012.21301.x Published: AUG 2012 ESA: Hubble

549 "Sani, E; Davies, RI; Sternberg, A; Gracia-Carpio, J; Hicks, EKS; Krips, M; Tacconi, LJ; Genzel, R; Vollmer, B; Schinnerer, E; Garcia-Burillo, S; Usero, A; de Xivry, GO" Physical properties of dense molecular gas in centres of Seyfert galaxies MONTHLY NOTICES OF THE

ROYAL ASTRONOMICAL SOCIETY Volume: 424 Issue: 3 Pages: 1963-1976 DOI:
10.1111/j.1365-2966.2012.21333.x Published: AUG 2012
IRAM: PdBI

550 "Santander-Garcia, M; Bujarrabal, V; Alcolea, J" Modeling the physical and excitation conditions of the molecular envelope of NGC 7027 ASTRONOMY & ASTROPHYSICS
Volume: 545 Article Number: A114 DOI: 10.1051/0004-6361/201219211 Published: SEP 2012
OAN-IGN
ESA: Herschel/HIFI; IRAM: 30m

551 "Santangelo, G.; Nisini, B.; Giannini, T.; Antonucci, S.; Vasta, M.; Codella, C.; Lorenzani, A.; Tafalla, M.; Liseau, R.; van Dishoeck, E. F.; Kristensen, L. E." The Herschel HIFI water line survey in the low-mass proto-stellar outflow L1448 ASTRONOMY & ASTROPHYSICS
Volume: 538 Article Number: A45 DOI: 10.1051/0004-6361/201118113 Published: FEB 2012
ESA: Herschel

552 "Santini, P.; Rosario, D. J.; Shao, L.; Lutz, D.; Maiolino, R.; Alexander, D. M.; Altieri, B.; Andreani, P.; Aussel, H.; Bauer, F. E.; Berta, S.; Bongiovanni, A.; Brandt, W. N.; Brusa, M.; Cepa, J.; Cimatti, A.; Daddi, E.; Elbaz, D.; Fontana, A.; Schreiber" Enhanced star formation rates in AGN hosts with respect to inactive galaxies from PEP-Herschel observations ASTRONOMY & ASTROPHYSICS
Volume: 540 Article Number: A109 DOI: 10.1051/0004-6361/201118266 Published: APR 2012
ESA: Herschel/PACS

553 "Santos, J. S.; Tozzi, P.; Rosati, P.; Nonino, M.; Giovannini, G." Deep Chandra observation of the galaxy cluster WARPJ1415.1+3612 at $z=1$ An evolved cool-core cluster at high redshift ASTRONOMY & ASTROPHYSICS
Volume: 539 Article Number: A105
DOI: 10.1051/0004-6361/201118162 Published: MAR 2012
ESAC
ESA: XMM-Newton

554 "Santos-Sanz, P.; Lellouch, E.; Fornasier, S.; Kiss, C.; Pal, A.; Mueller, T. G.; Vilenius, E.; Stansberry, J.; Mommert, M.; Delsanti, A.; Mueller, M.; Peixinho, N.; Henry, F.; Ortiz, J. L.; Thirouin, A.; Protospapa, S.; Duffard, R.; Szalai, N.; Lim, T.; Eij" TNOs are Cool: A survey of the trans-Neptunian region IV. Size/albedo characterization of 15 scattered disk and detached objects observed with Herschel-PACS ASTRONOMY & ASTROPHYSICS
Volume: 541
Article Number: A92 DOI: 10.1051/0004-6361/201118541 Published: MAY 2012
ESA: Herschel/PACS

555 "Sanz-Requena, JF; Perez-Hoyos, S; Sanchez-Lavega, A; del Rio-Gaztelurrutia, T; Barrado-Navascues, D; Colas, F; Lecacheux, J; Parker, D" Cloud structure of Saturn's 2010 storm from ground-based visual imaging ICARUS
Volume: 219 Issue: 1 Pages: 142-149 DOI:
10.1016/j.icarus.2012.02.023 Published: MAY 2012
UEMC
CAHA: 2.2m/CAFOS

556 "Sarkar, G.; Garcia-Hernandez, D. A.; Parthasarathy, M.; Manchado, A.; Garcia-Lario, P.; Takeda, Y." High-resolution spectroscopy of the high-velocity hot post-AGB star LS III+52 degrees 24 (IRAS 22023+5249) MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 421 Issue: 1 Pages: 679-699 DOI: 10.1111/j.1365-2966.2011.20345.x
Published: MAR 2012

ORM: WHT

557 "Saxton, R. D.; Read, A. M.; Esquej, P.; Komossa, S.; Dougherty, S.; Rodriguez-Pascual, P.; Barrado, D." A tidal disruption-like X-ray flare from the quiescent galaxy SDSS J120136.02+300305.5 ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A106 DOI: 10.1051/0004-6361/201118367 Published: MAY 2012

ESAC

ESA: XMM-Newton; ORM: WHT/ISIS; CAHA: 3.5 m/TWIN

558 "Schmidtobreick, L.; Rodriguez-Gil, P.; Long, K. S.; Gaensicke, B. T.; Tappert, C.; Torres, M. A. P." Discovery of H alpha satellite emission in a low state of the SW Sextantis star BB Doradus MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 422 Issue: 1 Pages: 731-737 DOI: 10.1111/j.1365-2966.2012.20653.x Published: MAY 2012

ESO (Paranal): VLT/FORS2

559 "Schneider, N; Gusten, R; Tremblin, P; Hennemann, M; Minier, V; Hill, T; Comeron, F; Requena-Torres, MA; Kraemer, KE; Simon, R; Rollig, M; Stutzki, J; Djupvik, AA; Zinnecker, H; Marston, A; Csengeri, T; Cormier, D; Lebouteiller, V; Audit, E; Motte, F; Bont" Globules and pillars seen in the [CII] 158 mu m line with SOFIA ASTRONOMY & ASTROPHYSICS Volume: 542 Article Number: L18 DOI: 10.1051/0004-6361/201218917 Published: JUN 2012

ESA: Herschel

560 "Scholz, Alexander; Stelzer, Beate; Costigan, Grainne; Barrado, David; Eisloffel, Jochen; Lillo-Box, Jorge; Riviere-Marichalar, Pablo; Stoev, Hristo" Magnetic activity and accretion on FU Tau A: clues from variability MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 419 Issue: 2 Pages: 1271-1279 DOI: 10.1111/j.1365-2966.2011.19781.x Published: JAN 2012

CAHA: 2.2m/CAFOS

561 "Schruba, A; Leroy, AK; Walter, F; Bigiel, F; Brinks, E; de Blok, WJG; Kramer, C; Rosolowsky, E; Sandstrom, K; Schuster, K; Usero, A; Weiss, A; Wiesemeyer, H" LOW CO LUMINOSITIES IN DWARF GALAXIES ASTRONOMICAL JOURNAL Volume: 143 Issue: 6 Article Number: 138 DOI: 10.1088/0004-6256/143/6/138 Published: JUN 2012

IRAM: 30m

562 "Schulz, R; Sierks, H; Koppers, M; Accomazzo, A" Rosetta fly-by at asteroid (21) Lutetia: An overview PLANETARY AND SPACE SCIENCE Volume: 66 Issue: 1 Special Issue: SI Pages: 2-8 DOI: 10.1016/j.pss.2011.11.013 Published: JUN 2012

ESA: Rosetta

563 "Scott, AE; Stewart, GC; Mateos, S" Detectability of low-energy X-ray spectral components in type 1 active galactic nuclei MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 423 Issue: 3 Pages: 2633-2641 DOI: 10.1111/j.1365-2966.2012.21069.x Published: JUL 2012
ESA: XMM-Newton

564 "Seymour, N; Altieri, B; De Breuck, C; Barthel, P; Coia, D; Conversi, L; Dannerbauer, H; Dey, A; Dickinson, M; Drouart, G; Galametz, A; Greve, TR; Haas, M; Hatch, N; Ibar, E; Ivison, R; Jarvis, M; Kovacs, A; Kurk, J; Lehnert, M; Miley, G; Nesvadba, N; Rawl" RAPID COEVAL BLACK HOLE AND HOST GALAXY GROWTH IN MRC 1138-262: THE HUNGRY SPIDER ASTROPHYSICAL JOURNAL Volume: 755 Issue: 2 Article Number: 146 DOI: 10.1088/0004-637X/755/2/146 Published: AUG 20 2012
ESA: HerschelPACS/SPIRE; ESO: APEX/LABOCA

565 "Shalyapin, V. N.; Goicoechea, L. J.; Gil-Merino, R." A 5.5-year robotic optical monitoring of Q0957+561: substructure in a non-local cD galaxy ASTRONOMY & ASTROPHYSICS Volume: 540 Article Number: A132 DOI: 10.1051/0004-6361/201118316 Published: APR 2012
UC ORM: LT; ESA: Hubble

566 "Shin, I. -G.; Choi, J. -Y.; Park, S. -Y.; Han, C.; Gould, A.; Sumi, T.; Udalski, A.; Beaulieu, J. -P.; Dominik, M.; Allen, W.; Bos, M.; Christie, G. W.; Depoy, D. L.; Dong, S.; Drummond, J.; Gal-Yam, A.; Gaudi, B. S.; Hung, L. -W.; Janczak, J.; Kaspi, S.;" MICROLENSING BINARIES DISCOVERED THROUGH HIGH-MAGNIFICATION CHANNEL ASTROPHYSICAL JOURNAL Volume: 746 Issue: 2 Article Number: 127 DOI: 10.1088/0004-637X/746/2/127 Published: FEB 20 2012
ORM: LT; OT: IAC-80

567 "Shiota, D; Tsuneta, S; Shimojo, M; Sako, N; Suarez, DO; Ishikawa, R" POLAR FIELD REVERSAL OBSERVATIONS WITH HINODE ASTROPHYSICAL JOURNAL Volume: 753 Issue: 2 Article Number: 157 DOI: 10.1088/0004-637X/753/2/157 Published: JUL 10 2012
ESA: Hinode/SOT

568 "Sicilia-Aguilar, A; Kospal, A; Setiawan, J; Abraham, P; Dullemond, C; Eiroa, C; Goto, M; Henning, T; Juhasz, A" Optical spectroscopy of EX Lupi during quiescence and outburst Infall, wind, and dynamics in the accretion flow ASTRONOMY & ASTROPHYSICS Volume: 544 Article Number: A93 DOI: 10.1051/0004-6361/201118555 Published: AUG 2012
UAM
ESO (La Silla): MPG 2.2m/ FEROS; 3.6m/HARPS

569 "Silvotti, R; Ostensen, RH; Bloemen, S; Telting, JH; Heber, U; Oreiro, R; Reed, MD; Farris, LE; O'Toole, SJ; Lanteri, L; Degroote, P; Hu, H; Baran, AS; Hermes, JJ; Althaus, LG; Marsh, TR; Charpinet, S; Li, J; Morris, RL; Sanderfer, DT" Orbital properties of an unusually low-mass sdB star in a close binary system with a white dwarf MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 424 Issue: 3 Pages: 1752-1761
DOI: 10.1111/j.1365-2966.2012.21232.x Published: AUG 2012

ORM: INT

570 "Simon, V.; Hudec, R.; Castro-Tirado, A. J.; de Ugarte Postigo, A.; Gorosabel, J.; Jelinek, M.; Fatkhullin, T.; Perez-Ramirez, D.; Kubanek, P.; Guziy, S.; Darias, T. Munoz; Cunniffe, R." Outburst and flares from the unique source SWIFT J1955+2614 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 422 Issue: 2 Pages: 981-989 DOI: 10.1111/j.1365-2966.2012.20668.x Published: MAY 2012
OT: IAC-80; ORM: Mercator; ESO (Paranal): VLT/NACO; GTC/OSIRIS

571 "Simoniello, R.; Finsterle, W.; Salabert, D.; Garcia, R. A.; Turck-Chieze, S.; Jimenez, A.; Roth, M." The quasi-biennial periodicity (QBP) in velocity and intensity helioseismic observations The seismic QBP over solar cycle 23 ASTRONOMY & ASTROPHYSICS Volume: 539 Article Number: A135 DOI: 10.1051/0004-6361/201118057 Published: MAR 2012
OT: GONG; ESA: SOHO/GOLF/VIRGO

572 "Sing, DK; Huitson, CM; Lopez-Morales, M; Pont, F; Desert, JM; Ehrenreich, D; Wilson, PA; Ballester, GE; Fortney, JJ; des Etangs, AL; Vidal-Madjar, A" GTC OSIRIS transiting exoplanet atmospheric survey: detection of sodium in XO-2b from differential long-slit spectroscopy MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 426 Issue: 2 Pages: 1663-1670 DOI: 10.1111/j.1365-2966.2012.21938.x Published: OCT 2012
GTC/OSIRIS

573 "Smith, A. J.; Wang, L.; Oliver, S. J.; Auld, R.; Bock, J.; Brisbin, D.; Burgarella, D.; Chaniel, P.; Chapin, E.; Clements, D. L.; Conversi, L.; Cooray, A.; Dowell, C. D.; Eales, S.; Farrah, D.; Franceschini, A.; Glenn, J.; Griffin, M.; Ivison, R. J.; Mort" HerMES: point source catalogues from deep Herschel-SPIRE observations MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 419 Issue: 1 Pages: 377-389 DOI: 10.1111/j.1365-2966.2011.19709.x Published: JAN 2012
ESA: Herschel/SPIRE

574 "Smith, D. M.; Markwardt, C. B.; Swank, J. H.; Negueruela, I." Fast X-ray transients towards the Galactic bulge with the Rossi X-ray Timing Explorer MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 422 Issue: 3 Pages: 2661-2674 DOI: 10.1111/j.1365-2966.2012.20836.x Published: MAY 2012
ORM: NOT/ALFOSC; ESA: INTEGRAL/IBIS

575 "Smith, DJB; Dunne, L; da Cunha, E; Rowlands, K; Maddox, SJ; Gomez, HL; Bonfield, DG; Charlot, S; Driver, SP; Popescu, CC; Tuffs, RJ; Dunlop, JS; Jarvis, MJ; Seymour, N; Symeonidis, M; Baes, M; Bourne, N; Clements, DL; Cooray, A; De Zotti, G; Dye, S; Eales" Herschel-ATLAS: multi-wavelength SEDs and physical properties of 250 μ m selected galaxies at $z < 0.5$ MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 427 Issue: 1 Pages: 703-727 DOI: 10.1111/j.1365-2966.2012.21930.x Published: NOV 2012
ESA: Herschel (ATLAS survey); ESO (Paranal): VST, VISTA

- 576 "Sollima, A; Gratton, RG; Carballo-Bello, JA; Martinez-Delgado, D; Carretta, E; Bragaglia, A; Lucatello, S; Penarrubia, J" Spectroscopic hint of a cold stream in the direction of the globular cluster NGC 1851 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 426 Issue: 2 Pages: 1137-1143 DOI: 10.1111/j.1365-2966.2012.21803.x Published: OCT 2012
ESO (Paranal): VLT/VIMOS
- 577 "Sousa, SG; Santos, NC; Israelian, G" TMCalc - a fast code to derive Teff and [Fe/H] for FGK stars ASTRONOMY & ASTROPHYSICS Volume: 544 Article Number: A122 DOI: 10.1051/0004-6361/201219260 Published: AUG 2012
IAC
ESO (La Silla): 3.6m/HARPS
- 578 "Spezzi, L.; De Marchi, G.; Panagia, N.; Sicilia-Aguilar, A.; Ercolano, B." Photometric determination of the mass accretion rates of pre-mainsequence stars - III. Results in the Large Magellanic Cloud MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 421 Issue: 1 Pages: 78-97 DOI: 10.1111/j.1365-2966.2011.20130.x Published: MAR 2012
ESA: Hubble/WFPC2
- 579 "Sromovsky, LA; Hammel, HB; de Pater, I; Fry, PM; Rages, KA; Showalter, MR; Merline, WJ; Tamblyn, P; Neyman, C; Margot, JL; Fang, J; Colas, F; Dauvergne, JL; Gomez-Forrellad, JM; Hueso, R; Sanchez-Lavega, A; Stallard, T" Episodic bright and dark spots on Uranus ICARUS Volume: 220 Issue: 1 Pages: 6-22 DOI: 10.1016/j.icarus.2012.04.009 Published: JUL 2012
ESA: Hubble; ESO (Paranal): VLT/CRIRES
- 580 "Stelzer, B.; Alcalá, J.; Biazzo, K.; Ercolano, B.; Crespo-Chacon, I.; Lopez-Santiago, J.; Martinez-Arnaiz, R.; Schmitt, J. H. M. M.; Rigliaco, E.; Leone, F.; Cupani, G." The ultracool dwarf DENIS-P J104814.7-395606 Chromospheres and coronae at the low-mass end of the main-sequence ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A94 DOI: 10.1051/0004-6361/201118097 Published: JAN 2012
ESA: XMM-Newton; ESO (Paranal): VLT/X-Shooter
- 581 "Sterken, VJ; Altobelli, N; Kempf, S; Kruger, H; Postberg, F; Soja, RH; Srama, R; Grun, E" An optimum opportunity for interstellar dust measurements by the JUICE mission PLANETARY AND SPACE SCIENCE Volume: 71 Issue: 1 Pages: 142-146 DOI: 10.1016/j.pss.2012.06.020 Published: OCT 2012
ESA: Ulysses
- 582 "Sterzik, MF; Bagnulo, S; Palle, E" Biosignatures as revealed by spectropolarimetry of Earthshine NATURE Volume: 483 Issue: 7387 Pages: 64-66 DOI: 10.1038/nature10778 Published: MAR 1 2012
ESO (Paranal): VLT/FORS
- 583 "Stinson, GS; Brook, C; Prochaska, JX; Hennawi, J; Shen, SJ; Wadsley, J; Pontzen, A; Couchman, HMP; Quinn, T; Maccio, AV; Gibson, BK" MAGICC haloes: confronting simulations with observations of the circumgalactic medium at $z=0$ MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 425 Issue: 2 Pages: 1270-1277 DOI: 10.1111/j.1365-2966.2012.21522.x Published: SEP 2012

ESA: Hubble

584 "Stott, John P.; Hickox, Ryan C.; Edge, Alastair C.; Collins, Chris A.; Hilton, Matt; Harrison, Craig D.; Romer, A. Kathy; Rooney, Philip J.; Kay, Scott T.; Miller, Christopher J.; Sahlen, Martin; Lloyd-Davies, Ed J.; Mehrrens, Nicola; Hoyle, Ben; Liddle, " The XMM Cluster Survey: the interplay between the brightest cluster galaxy and the intracluster medium via AGN feedback MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 422 Issue: 3 Pages: 2213-2229 DOI: 10.1111/j.1365-2966.2012.20764.x Published: MAY 2012
ESA: XMM-Newton

585 "Suarez, DO; Katsukawa, Y; Rubio, LRB" THE CONNECTION BETWEEN INTERNETWORK MAGNETIC ELEMENTS AND SUPERGRANULAR FLOWS ASTROPHYSICAL JOURNAL LETTERS Volume: 758 Issue: 2 Article Number: L38 DOI: 10.1088/2041-8205/758/2/L38 Published: OCT 20 2012
ESA: Hinode

586 "Suarez, DO; Ramos, AA; Bueno, JT" EVIDENCE FOR ROTATIONAL MOTIONS IN THE FEET OF A QUIESCENT SOLAR PROMINENCE ASTROPHYSICAL JOURNAL LETTERS Volume: 761 Issue: 2 Article Number: L25 DOI: 10.1088/2041-8205/761/2/L25 Published: DEC 20 2012
OT: VTT

587 "Suarez, DO; Rubio, LRB" ANALYSIS OF QUIET-SUN INTERNETWORK MAGNETIC FIELDS BASED ON LINEAR POLARIZATION SIGNALS ASTROPHYSICAL JOURNAL Volume: 751 Issue: 1 Article Number: 2 DOI: 10.1088/0004-637X/751/1/2 Published: MAY 20 2012
IAA-CSIC
ESA: Hinode

588 "Svoboda, J; Bianchi, S; Guainazzi, M; Matt, G; Piconcelli, E; Karas, V; Dovciak, M" Active galaxy 4U 1344-60: did the relativistic line disappear? ASTRONOMY & ASTROPHYSICS Volume: 545 Article Number: A148 DOI: 10.1051/0004-6361/201219500 Published: SEP 2012
ESAC
ESA: XMM-Newton, Suzaku

589 "Taberner, HM; Montes, D; Hernandez, JIG" Chemically tagging the Hyades Supercluster A homogeneous sample of F6-K4 kinematically selected northern stars ASTRONOMY & ASTROPHYSICS Volume: 547 Article Number: A13 DOI: 10.1051/0004-6361/201117506 Published: NOV 2012
UCM
ORM: Mercator/HERMES

590 "Tadhunter, CN; Almeida, CR; Morganti, R; Holt, J; Rose, M; Dicken, D; Inskip, K" PKS 0347+05: a radio-loud/radio-quiet double active galactic nucleus system triggered in a major galaxy merger MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY

Volume: 427 Issue: 2 Pages: 1603-1613 DOI: 10.1111/j.1365-2966.2012.22058.x Published:
DEC 2012
ORM: WHT/ISIS

591 "Tanaka, Masayuki; Finoguenov, Alexis; Lilly, Simon J.; Bolzonella, Micol; Carollo, C. Marcella; Contini, Thierry; Iovino, Angela; Kneib, Jean-Paul; Lamareille, Fabrice; Le Fevre, Olivier; Mainieri, Vincenzo; Presotto, Valentina; Renzini, Alvio; Scodreggio," X-Ray Groups of Galaxies at $0.5 < z < 1$ in zCOSMOS: Increased AGN Activities in High Redshift Groups PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN Volume: 64 Issue: 2 Pages: 221-2211 Published: APR 25 2012
ESO (Paranal): VLT/VIMOS

592 "Tanvir, NR; Levan, AJ; Fruchter, AS; Fynbo, JPU; Hjorth, J; Wiersema, K; Bremer, MN; Rhoads, J; Jakobsson, P; O'Brien, PT; Stanway, ER; Bersier, D; Natarajan, P; Greiner, J; Watson, D; Castro-Tirado, AJ; Wijers, RAMJ; Starling, RLC; Misra, K; Graham, JF;" STAR FORMATION IN THE EARLY UNIVERSE: BEYOND THE TIP OF THE ICEBERG ASTROPHYSICAL JOURNAL Volume: 754 Issue: 1 Article Number: 46 DOI: 10.1088/0004-637X/754/1/46 Published: JUL 20 2012
ESA: Hubble; ESO (Paranal): VLT; ORM: TNG

593 "Tappert, C; Ederoclite, A; Mennickent, RE; Schmidtbreick, L; Vogt, N" Life after eruption - I. Spectroscopic observations of 10 nova candidates MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 423 Issue: 3 Pages: 2476-2485 DOI: 10.1111/j.1365-2966.2012.21054.x Published: JUL 2012
ESO (La Silla): NTT/EFOSC2

594 "Teixeira, GDC; Kumar, MSN; Bachiller, R; Grave, JMC" Molecular hydrogen jets and outflows in the Serpens South filamentary cloud ASTRONOMY & ASTROPHYSICS Volume: 543 Article Number: A51 DOI: 10.1051/0004-6361/201218845 Published: JUL 2012
CAHA: 3.5m; ESA: Herschel

595 "Tellmann, S; Hausler, B; Hinson, DP; Tyler, GL; Andert, TP; Bird, MK; Imamura, T; Patzold, M; Remus, S" Small-scale temperature fluctuations seen by the VeRa Radio Science Experiment on Venus Express ICARUS Volume: 221 Issue: 2 Pages: 471-480 DOI: 10.1016/j.icarus.2012.08.023 Published: NOV-DEC 2012
ESA: Venus Express (VeRa experiment)

596 "Telting, JH; Ostensen, RH; Baran, AS; Bloemen, S; Reed, MD; Oreiro, R; Farris, L; Ottosen, TA; Aerts, C; Kawaler, SD; Heber, U; Prins, S; Green, EM; Kalomeni, B; O'Toole, SJ; Mullally, F; Sanderfer, DT; Smith, JC; Kjeldsen, H" Three ways to solve the orbit of KIC 11 558 725: a 10-day beaming sdB+WD binary with a pulsating subdwarf ASTRONOMY & ASTROPHYSICS Volume: 544 Article Number: A1 DOI: 10.1051/0004-6361/201219458
Published: AUG 2012
ORM: NOT/ALFOSC, WHT/ISIS

597 "Tercero, B.; Margules, L.; Carvajal, M.; Motiyenko, R. A.; Huet, T. R.; Alekseev, E. A.; Kleiner, I.; Guillemin, J. C.; Mollendal, H.; Cernicharo, J." Microwave and submillimeter spectroscopy and first ISM detection of O-18-methyl formate ASTRONOMY &

ASTROPHYSICS Volume: 538 Article Number: A119 DOI: 10.1051/0004-6361/201117072 Published: FEB 2012
CAB (INTA-CSIC)
IRAM: 30m

598 "Testa, V; di Salvo, T; D'Antona, F; Menna, MT; Ventura, P; Burderi, L; Riggio, A; Iaria, R; D'Ai, A; Papitto, A; Robba, N" The near-IR counterpart of IGR J17480-2446 in Terzan 5
ASTRONOMY & ASTROPHYSICS Volume: 547 Article Number: A28 DOI:
10.1051/0004-6361/201219904 Published: NOV 2012
ESO (Paranal): VLT/NACO; ESA: Hubble/ACS

599 "Teyssier, D; Quintana-Lacaci, G; Marston, AP; Bujarrabal, V; Alcolea, J; Cernicharo, J; Decin, L; Dominik, C; Justtanont, K; de Koter, A; Melnick, G; Menten, KM; Neufeld, DA; Olofsson, H; Planesas, P; Schmidt, M; Soria-Ruiz, R; Schoier, FL; Szczerba, R; W"
Herschel/HIFI observations of red supergiants and yellow hypergiants I. Molecular inventory
ASTRONOMY & ASTROPHYSICS Volume: 545 Article Number: A99 DOI:
10.1051/0004-6361/201219545 Published: SEP 2012
ESAC
ESA: Herschel/HIFI

600 "Thirouin, A; Ortiz, JL; Bagatin, AC; Pravec, P; Morales, N; Hainaut, O; Duffard, R"
Short-term variability of 10 trans-Neptunian objects MONTHLY NOTICES OF THE
ROYAL ASTRONOMICAL SOCIETY Volume: 424 Issue: 4 Pages: 3156-3177 DOI:
10.1111/j.1365-2966.2012.21477.x Published: AUG 2012
IAA-CSIC
ORM: TNG/DOLORES; ESO (La Silla): NTT/EFOSC2; CAHA: 2.2m/CAFOS; 3.5m/LAICA;
OT: IAC-80

601 "Thomas, N; Barbieri, C; Keller, HU; Lamy, P; Rickman, H; Rodrigo, R; Sierks, H;
Wenzel, KP; Cremonese, G; Jorda, L; Koppers, M; Marchi, S; Marzari, F; Massironi, M; Preusker,
F; Scholten, F; Stephan, K; Barucci, MA; Besse, S; El-Maarry, MR; Fornasier, S; " The
geomorphology of (21) Lutetia: Results from the OSIRIS imaging system onboard ESA's Rosetta
spacecraft PLANETARY AND SPACE SCIENCE Volume: 66 Issue: 1 Special Issue: SI
Pages: 96-124 DOI: 10.1016/j.pss.2011.10.003 Published: JUN 2012
ESA: Rosetta/OSIRIS

602 "Tilling, I.; Woitke, P.; Meeus, G.; Mora, A.; Montesinos, B.; Riviere-Marichalar, P.; Eiroa,
C.; Thi, W. -F.; Isella, A.; Roberge, A.; Martin-Zaidi, C.; Kamp, I.; Pinte, C.; Sandell, G.; Vacca,
W. D.; Menard, F.; Mendigutia, I.; Duchene, G.; Dent, W. R. F" Gas modelling in the disc of HD
163296 ASTRONOMY & ASTROPHYSICS Volume: 538 Article Number: A20
DOI: 10.1051/0004-6361/201116919 Published: FEB 2012
ESA: Herschel/PACS

603 "Titov, Dmitrij V.; Markiewicz, Wojciech J.; Ignatiev, Nikolay I.; Song, Li; Limaye, Sanjay
S.; Sanchez-Lavega, Agustin; Hesemann, Jonas; Almeida, Miguel; Roatsch, Thomas; Matz, Klaus-
Dieter; Scholten, Frank; Crisp, David; Esposito, Larry W.; Hviid, Stubbe" Morphology of the
cloud tops as observed by the Venus Express Monitoring Camera ICARUS Volume: 217

Issue: 2 Special Issue: SI Pages: 682-701 DOI: 10.1016/j.icarus.2011.06.020 Published: FEB 2012

ESA: Venus Express/VMC

604 "Toala, JA; Guerrero, MA; Chu, YH; Gruendl, RA; Arthur, SJ; Smith, RC; Snowden, SL" X-RAY EMISSION FROM THE WOLF-RAYET BUBBLE S 308 ASTROPHYSICAL JOURNAL Volume: 755 Issue: 1 Article Number: 77 DOI: 10.1088/0004-637X/755/1/77 Published: AUG 10 2012

IAA-CSIC

ESA: XMM-Newton

605 "Toloba, E; Boselli, A; Peletier, RF; Falcon-Barroso, J; van de Ven, G; Gorgas, J" Formation and evolution of dwarf early-type galaxies in the Virgo cluster II. Kinematic scaling relations ASTRONOMY & ASTROPHYSICS Volume: 548 Article Number: A78 DOI: 10.1051/0004-6361/201218944 Published: DEC 2012

UCM

ORM: WHT/ISIS/LIRIS; INT/IDS; TNG/NICS; NOT/NOTCam; ESO (La Silla); NTT/SofI

606 "Torrejon, J. M.; Schulz, N. S.; Nowak, M. A." CHANDRA AND SUZAKU OBSERVATIONS OF THE Be/X-RAY STAR HD110432 ASTROPHYSICAL JOURNAL Volume: 750 Issue: 1 Article Number: 75 DOI: 10.1088/0004-637X/750/1/75 Published: MAY 2012

Unv Alicante

ESA: Suzaku

607 "Torres, G.; Clausen, J. V.; Bruntt, H.; Claret, A.; Andersen, J.; Nordstrom, B.; Stefanik, R. P.; Latham, D. W." Absolute dimensions of eclipsing binaries XXIX. The Am-type systems SW Canis Majoris and HW Canis Majoris ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A117 DOI: 10.1051/0004-6361/201117795 Published: JAN 2012

ORM: NOT

608 "Trigo, MD; Sidoli, L; Boirin, L; Parmar, AN" XMM-Newton observations of GX 13+1: correlation between photoionised absorption and broad line emission ASTRONOMY & ASTROPHYSICS Volume: 543 Article Number: A50 DOI: 10.1051/0004-6361/201219049 Published: JUL 2012

ESA:XMM-Newton

609 "Twite, Jonathan W.; Conselice, Christopher J.; Buitrago, Fernando; Noeske, Kai; Weiner, Benjamin J.; Acosta-Pulido, Jose A.; Bauer, Amanda E." Ha star formation rates in massive galaxies at z similar to 1 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 420 Issue: 2 Pages: 1061-1078 DOI: 10.1111/j.1365-2966.2011.20057.x Published: FEB 2012

ORM: WHT/LIRIS

610 "Tyndall, A. A.; Jones, D.; Lloyd, M.; O'Brien, T. J.; Pollacco, D." A study of the kinematics and binary-induced shaping of the planetary nebula HaTr 4 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 422 Issue: 2 Pages: 1804-1811 DOI: 10.1111/j.1365-2966.2012.20755.x Published: MAY 2012

ING

ESO (Paranal): VLT/UVES; ESO (La Silla): NTT/EMMI

611 "Umetsu, K; Medezinski, E; Nonino, M; Merten, J; Zitrin, A; Molino, A; Grillo, C; Carrasco, M; Donahue, M; Mahdavi, A; Coe, D; Postman, M; Koekemoer, A; Czakon, N; Sayers, J; Mroczkowski, T; Golwala, S; Koch, PM; Lin, KY; Molnar, SM; Rosati, P; Balestra, I" CLASH: MASS DISTRIBUTION IN AND AROUND MACS J1206.2-0847 FROM A FULL CLUSTER LENSING ANALYSIS ASTROPHYSICAL JOURNAL Volume: 755 Issue: 1 Article Number: 56 DOI: 10.1088/0004-637X/755/1/56 Published: AUG 10 2012
ESA: Hubble; ESO: (Paranal): VLT/VIMOS

612 "Uscanga, L; Gomez, JF; Suarez, O; Miranda, LF" An updated catalog of OH-maser-emitting planetary nebulae ASTRONOMY & ASTROPHYSICS Volume: 547 Article Number: A40 DOI: 10.1051/0004-6361/201219760 Published: NOV 2012
OAN-IGN/IAA-CSIC
ESA: AKARI

613 "Valenti, Stefano; Taubenberger, Stefan; Pastorello, Andrea; Aramyan, Levon; Botticella, Maria Teresa; Fraser, Morgan; Benetti, Stefano; Smartt, Stephen J.; Cappellaro, Enrico; Elias-Rosa, Nancy; Ergon, Mattias; Magill, Lindsay; Magnier, Eugene; Kotak, Rub" A SPECTROSCOPICALLY NORMAL TYPE Ic SUPERNOVA FROM A VERY MASSIVE PROGENITOR ASTROPHYSICAL JOURNAL LETTERS Volume: 749 Issue: 2 Article Number: L28 DOI: 10.1088/2041-8205/749/2/L28 Published: APR 20 2012
ESO (La Silla): NTT/EFOSC2/SOFI; CAHA: 2.2m/CAFOS; ORM: TNG, LT/RATCAM, NOT/ALFOSC, WHT/ISIS/ACAM

614 "Van Dyk, Schuyler D.; Davidge, Tim J.; Elias-Rosa, Nancy; Taubenberger, Stefan; Li, Weidong; Levesque, Emily M.; Howerton, Stanley; Pignata, Giuliano; Morrell, Nidia; Hamuy, Mario; Filippenko, Alexei V." SUPERNOVA 2008bk AND ITS RED SUPERGIANT PROGENITOR ASTRONOMICAL JOURNAL Volume: 143 Issue: 1 Article Number: 19 DOI: 10.1088/0004-6256/143/1/19 Published: JAN 2012
CAHA: 2.2m/CAFOS; ORM: NOT/ALFOSC

615 "van Kampen, E; Smith, DJB; Maddox, S; Hopkins, AM; Valtchanov, I; Peacock, JA; Michalowski, MJ; Norberg, P; Eales, S; Dunne, L; Liske, J; Baes, M; Scott, D; Rigby, E; Robotham, A; van der Werf, P; Ibar, E; Jarvis, MJ; Loveday, J; Auld, R; Baldry, IK; Bamf" Herschel-ATLAS/GAMA: spatial clustering of low-redshift submm galaxies MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 426 Issue: 4 Pages: 3455-3463 DOI: 10.1111/j.1365-2966.2012.21949.x Published: NOV 2012
ESA: Herschel/ATLAS/GAMMA; ESO (Paranal): VISTA, VST "

616 "Vargas Dominguez, S.; van Driel-Gesztelyi, L.; Bellot Rubio, L. R." Granular-Scale Elementary Flux Emergence Episodes in a Solar Active Region SOLAR PHYSICS Volume: 278 Issue: 1 Pages: 99-120 DOI: 10.1007/s11207-012-9968-x Published: MAY 2012
ESA: Hinode/SOT

- 617 "Vasta, M.; Codella, C.; Lorenzani, A.; Santangelo, G.; Nisini, B.; Giannini, T.; Tafalla, M.; Liseau, R.; van Dishoeck, E. F.; Kristensen, L." Water emission from the chemically rich outflow L1157 ASTRONOMY & ASTROPHYSICS Volume: 537 Article Number: A98 DOI: 10.1051/0004-6361/201118201 Published: JAN 2012
ESA: Herschel-HIFI
- 618 "Vazdekis, A; Ricciardelli, E; Cenarro, AJ; Rivero-Gonzalez, JG; Diaz-Garcia, LA; Falcon-Barroso, J" MIUSCAT: extended MILES spectral coverage - I. Stellar population synthesis models MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 424 Issue: 1 Pages: 157-171 DOI: 10.1111/j.1365-2966.2012.21179.x Published: JUL 2012
IAC; Unv La Laguna
ORM: INT, JKT; ESA: Hipparcos
- 619 "Verbeek, K; Groot, PJ; Scaringi, S; Napiwotzki, R; Spikings, B; Ostensen, RH; Drew, JE; Steeghs, D; Casares, J; Corral-Santana, JM; Corradi, RLM; Deacon, N; Drake, JJ; Gansicke, BT; Gonzalez-Solares, E; Greimel, R; Heber, U; Irwin, MJ; Knigge, C; Nelemans" Spectroscopic follow-up of ultraviolet-excess objects selected from the UVEX survey MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 426 Issue: 2 Pages: 1235-1261
DOI: 10.1111/j.1365-2966.2012.21615.x Published: OCT 2012
ORM: INT/WFC, WHT/ISIS
- 620 "Verbeek, Kars; de Groot, Eelco; Groot, Paul J.; Scaringi, Simone; Drew, Janet; Greimel, Robert; Irwin, Mike; Gonzalez-Solares, Eduardo; Gaensicke, Boris T.; Casares, Jorge; Corral-Santana, Jesus M.; Deacon, Niall; Steeghs, Danny" A first catalogue of automatically selected ultraviolet-excess sources from the UVEX survey MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 420 Issue: 2 Pages: 1115-1134 DOI: 10.1111/j.1365-2966.2011.20094.x Published: FEB 2012
ORM: INT/WFC (UVEX)
- 621 "Viana, Pedro T. P.; da Silva, Antonio; Ramos, Elsa P. R. G.; Liddle, Andrew R.; Lloyd-Davies, E. J.; Romer, A. Kathy; Kay, Scott T.; Collins, Chris A.; Hilton, Matt; Hosmer, Mark; Hoyle, Ben; Mayers, Julian A.; Mehrrens, Nicola; Miller, Christopher J.; Sa" The XMM Cluster Survey: predicted overlap with the Planck Cluster Catalogue MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 422 Issue: 2 Pages: 1007-1013 DOI: 10.1111/j.1365-2966.2012.20673.x Published: MAY 2012
ESA: XMM-Newton, Planck
- 622 "Viero, M. P.; Moncelsi, L.; Mentuch, E.; Buitrago, F.; Bauer, A. E.; Chapin, E. L.; Conselice, C. J.; Devlin, M. J.; Halpern, M.; Marsden, G.; Netterfield, C. B.; Pascale, E.; Perez-Gonzalez, P. G.; Rex, M.; Scott, D.; Smith, M. W. L.; Truch, M. D. P.; Tr" Measuring star formation in high-z massive galaxies: a mid-infrared to submillimetre study of the GOODS NICMOS Survey sample MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 421 Issue: 3 Pages: 2161-2169 DOI: 10.1111/j.1365-2966.2012.20456.x Published: APR 2012
ESA: Herschel/PACS; ESO: APEX/LABOCA

623 "Viironen, K.; Sanchez, S. F.; Marmol-Queralto, E.; Iglesias-Paramo, J.; Mast, D.; Marino, R. A.; Cristobal-Hornillos, D.; Gil de Paz, A.; van de Ven, G.; Vilchez, J.; Wisotzki, L." Spatially resolved properties of the grand-design spiral galaxy UGC 9837: a case for high-redshift 2-D observations ASTRONOMY & ASTROPHYSICS Volume: 538 Article Number: A144 DOI: 10.1051/0004-6361/201016347 Published: FEB 2012

CAHA; CEFCA

CAHA: 3.5m/PMAS

624 "Vilenius, E.; Kiss, C.; Mommert, M.; Mueller, T.; Santos-Sanz, P.; Pal, A.; Stansberry, J.; Mueller, M.; Peixinho, N.; Fornasier, S.; Lellouch, E.; Delsanti, A.; Thirouin, A.; Ortiz, J. L.; Duffard, R.; Perna, D.; Szalai, N.; Protopapa, S.; Henry, F.; Hes" TNOs are Cool: A survey of the trans-Neptunian region VI. Herschel/PACS observations and thermal modeling of 19 classical Kuiper belt objects ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A94 DOI: 10.1051/0004-6361/201118743 Published: MAY 2012

ESA: Herschel/PACS

625 "Villar-Martin, M; Lavers, AC; Bessiere, P; Tadhunter, C; Rose, M; de Breuck, C" Mergers and interactions in Sloan Digital Sky Survey type 2 quasars at z similar to 0.3-0.4. SDSS J143027.66-005614.8: a case study MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 423 Issue: 1 Pages: 80-103 DOI: 10.1111/j.1365-2966.2012.20652.x Published: JUN 2012

IAA-CSIC

ESA: Hubble; ESO (Paranal): VLT/FORS2

626 "von Braun, K; Boyajian, TS; Kane, SR; Hebb, L; van Belle, GT; Farrington, C; Ciardi, DR; Knutson, HA; ten Brummelaar, TA; Lopez-Morales, M; McAlister, HA; Schaefer, G; Ridgway, S; Cameron, AC; Goldfinger, PJ; Turner, NH; Sturmann, L; Sturmann, J" THE GJ 436 SYSTEM: DIRECTLY DETERMINED ASTROPHYSICAL PARAMETERS OF AN M DWARF AND IMPLICATIONS FOR THE TRANSITING HOT NEPTUNE ASTROPHYSICAL JOURNAL Volume: 753 Issue: 2 Article Number: 171 DOI: 10.1088/0004-637X/753/2/171 Published: JUL 10 2012

ESA: Hubble

627 "Vos, J.; Clausen, J. V.; Jorgensen, U. G.; Ostensen, R. H.; Claret, A.; Hillen, M.; Exter, K." Absolute dimensions of solar-type eclipsing binaries ASTRONOMY & ASTROPHYSICS Volume: 540 Article Number: A64 DOI: 10.1051/0004-6361/201118606 Published: APR 2012

ORM: Mercator/HERMES; ESO (La Silla): SAT

628 "Wade, GA; Apellaniz, JM; Martins, F; Petit, V; Grunhut, J; Walborn, NR; Barba, RH; Gagne, M; Garcia-Melendo, E; Jose, J; Moffat, AFJ; Naze, Y; Neiner, C; Pellerin, A; Ordaz, MP; Shultz, M; Simon-Diaz, S; Sota, A" NGC 1624-2: a slowly rotating, X-ray luminous Of?p star with an extraordinarily strong magnetic field MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 425 Issue: 2 Pages: 1278-1293 DOI: 10.1111/j.1365-2966.2012.21523.x Published: SEP 2012

CAHA: 3.5m; ORM: WHT

629 "Wang, Xiaofeng; Wang, Lifan; Filippenko, Alexei V.; Baron, Eddie; Kromer, Markus; Jack, Dennis; Zhang, Tianmeng; Aldering, Greg; Antilogus, Pierre; Arnett, W. David; Baade, Dietrich; Barris, Brian J.; Benetti, Stefano; Bouchet, Patrice; Burrows, Adam S.; " EVIDENCE FOR TYPE Ia SUPERNOVA DIVERSITY FROM ULTRAVIOLET OBSERVATIONS WITH THE HUBBLE SPACE TELESCOPE ASTROPHYSICAL JOURNAL Volume: 749 Issue: 2 Article Number: 126 DOI: 10.1088/0004-637X/749/2/126 Published: APR 2012
ESA: Hubble

630 "Warwick, RS; Saxton, RD; Read, AM" The XMM-Newton slew survey in the 2-10 keV band ASTRONOMY & ASTROPHYSICS Volume: 548 Article Number: A99 DOI: 10.1051/0004-6361/201118642 Published: DEC 2012
ESA: XMM-Newton

631 "Watanabe, H; Rubio, LRB; Rodriguez, JD; van der Voort, LR" TEMPORAL EVOLUTION OF VELOCITY AND MAGNETIC FIELD IN AND AROUND UMBRAL DOTS ASTROPHYSICAL JOURNAL Volume: 757 Issue: 1 Article Number: 49 DOI: 10.1088/0004-637X/757/1/49 Published: SEP 20 2012
ORM: SST/CRISP

632 "Watson, LC; Martini, P; Lisenfeld, U; Wong, MH; Boker, T; Schinnerer, E" PROPERTIES OF BULGELESS DISK GALAXIES. II. STAR FORMATION AS A FUNCTION OF CIRCULAR VELOCITY ASTROPHYSICAL JOURNAL Volume: 751 Issue: 2 Article Number: 123 DOI: 10.1088/0004-637X/751/2/123 Published: JUN 1 2012
IRAM: 30m

633 "Wehrle, AE; Marscher, AP; Jorstad, SG; Gurwell, MA; Joshi, M; MacDonald, NR; Williamson, KE; Agudo, I; Grupe, D" MULTI-WAVELENGTH VARIATIONS OF 3C 454.3 DURING THE 2010 NOVEMBER TO 2011 JANUARY OUTBURST ASTROPHYSICAL JOURNAL Volume: 758 Issue: 2 Article Number: 72 DOI: 10.1088/0004-637X/758/2/72 Published: OCT 20 2012
ESA: Herschel/HIFI

634 Weiler, M. The chemistry of C-3 and C-2 in cometary comae I. Current models revisited ASTRONOMY & ASTROPHYSICS Volume: 538 Article Number: A149 DOI: 10.1051/0004-6361/201117480 Published: FEB 2012
ICC (IEEC-UB)
ESO (La Silla): 3.6m/EFOSC2; ESO (Paranal): VLT/FORS2

635 "Wezgowiec, M; Bomans, DJ; Ehle, M; Chyzy, KT; Urbanik, M; Braine, J; Soida, M" Tidal interaction vs. ram pressure stripping effects as seen in X-rays Hot gas in group and cluster galaxies ASTRONOMY & ASTROPHYSICS Volume: 544 Article Number: A99 DOI: 10.1051/0004-6361/201117652 Published: AUG 2012
ESA: XMM-Newton

636 "Wiersema, K.; van der Horst, A. J.; Levan, A. J.; Tanvir, N. R.; Karjalainen, R.; Kamble, A.; Kouveliotou, C.; Metzger, B. D.; Russell, D. M.; Skillen, I.; Starling, R. L. C.; Wijers, R. A. M. J." Polarimetry of the transient relativistic jet of GRB 110328/Swift J164449.3+573451

637 "Wiersema, K; Curran, PA; Kruhler, T; Melandri, A; Rol, E; Starling, RLC; Tanvir, NR; van der Horst, AJ; Covino, S; Fynbo, JPU; Goldoni, P; Gorosabel, J; Hjorth, J; Klose, S; Mundell, CG; O'Brien, PT; Palazzi, E; Wijers, RAMJ; D'Elia, V; Evans, PA; Filgas," Detailed optical and near-infrared polarimetry, spectroscopy and broad-band photometry of the afterglow of GRB 091018: polarization evolution MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 426 Issue: 1 Pages: 2-22 DOI: 10.1111/j.1365-2966.2012.20943.x Published: OCT 2012

ESO (Paranal): VLT/FORS2/ISAAC/X-Shooter; ESO (La Silla): MPG 2.2m/GROND

638 "Wilken, T; Lo Curto, G; Probst, RA; Steinmetz, T; Manescau, A; Pasquini, L; Hernandez, JIG; Rebolo, R; Hansch, TW; Udem, T; Holzwarth, R" A spectrograph for exoplanet observations calibrated at the centimetre-per-second level NATURE Volume: 485 Issue: 7400 Pages: 611-614 DOI: 10.1038/nature11092 Published: MAY 31 2012
ESO (La Silla): 3.6m/HARPS

639 "Winston, E; Cox, NLJ; Prusti, T; Merin, B; Ribas, A; Royer, P; Vavrek, R; Puga, E; Andre, P; Men'shchikov, A; Konyves, V; Kospal, A; de Oliveira, CA; Pilbratt, GL; Waelkens, C" Herschel far-IR observations of the Chamaeleon molecular cloud complex Chamaeleon I: A first view of young stellar objects in the cloud ASTRONOMY & ASTROPHYSICS Volume: 545 Article Number: A145 DOI: 10.1051/0004-6361/201118665 Published: SEP 2012
ESA: Herschel/SPIRE/PACS

640 "Wisniewski, John P.; Ge, Jian; Crepp, Justin R.; De Lee, Nathan; Eastman, Jason; Esposito, Massimiliano; Fleming, Scott W.; Gaudi, B. Scott; Ghezzi, Luan; Gonzalez Hernandez, Jonay I.; Lee, Brian L.; Stassun, Keivan G.; Agol, Eric; Allende Prieto, Carlos;" VERY LOW MASS STELLAR AND SUBSTELLAR COMPANIONS TO SOLAR-LIKE STARS FROM MARVELS. I. A LOW-MASS RATIO STELLAR COMPANION TO TYC 4110-01037-1 IN A 79 DAY ORBIT ASTRONOMICAL JOURNAL Volume: 143 Issue: 5 Article Number: 107 DOI: 10.1088/0004-6256/143/5/107 Published: MAY 2012
ORM: TNG

641 "Wittkowski, M.; Hauschildt, P. H.; Arroyo-Torres, B.; Marcaide, J. M." Fundamental properties and atmospheric structure of the red supergiant VY Canis Majoris based on VLTI/AMBER spectro-interferometry ASTRONOMY & ASTROPHYSICS Volume: 540 Article Number: L12 DOI: 10.1051/0004-6361/201219126 Published: APR 2012
ESO (Paranal): VLTI/AMBER

642 "Witzel, G; Eckart, A; Bremer, M; Zamaninasab, M; Shahzamanian, B; Valencia-S, M; Schodel, R; Karas, V; Lenzen, R; Marchili, N; Sabha, N; Garcia-Marin, M; Buchholz, RM; Kunneriath, D; Straubmeier, C" SOURCE-INTRINSIC NEAR-INFRARED PROPERTIES OF SGR A*: TOTAL INTENSITY MEASUREMENTS ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES Volume: 203 Issue: 2 Article Number: 18 DOI: 10.1088/0067-0049/203/2/18 Published: DEC 2012
ESO (Paranal): VLT/NACO

643 "Wyatt, MC; Kennedy, G; Sibthorpe, B; Moro-Martin, A; Lestrade, JF; Ivison, RJ; Matthews, B; Udry, S; Greaves, JS; Kalas, P; Lawler, S; Su, KYL; Rieke, GH; Booth, M; Bryden, G; Horner, J; Kavelaars, JJ; Wilner, D" Herschel imaging of 61 Vir: implications for the prevalence of debris in low-mass planetary systems MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 424 Issue: 2 Pages: 1206-1223 DOI: 10.1111/j.1365-2966.2012.21298.x Published: AUG 2012
ESA: Herschel, Hubble

644 "Xia, XY; Gao, Y; Hao, CN; Tan, QH; Mao, S; Omont, A; Flaquer, BO; Leon, S; Cox, P" MOLECULAR GAS IN INFRARED ULTRALUMINOUS QSO HOSTS ASTROPHYSICAL JOURNAL Volume: 750 Issue: 2 Article Number: 92 DOI: 10.1088/0004-637X/750/2/92 Published: MAY 10 2012
IRAM: 30m

645 "Xilouris, EM; Tabatabaei, FS; Boquien, M; Kramer, C; Buchbender, C; Bertoldi, F; Anderl, S; Braine, J; Verley, S; Relano, M; Quintana-Lacaci, G; Akras, S; Beck, R; Calzetti, D; Combes, F; Gonzalez, M; Gratier, P; Henkel, C; Israel, F; Koribalski, B; Lord," Cool and warm dust emission from M 33 (HerM33es) ASTRONOMY & ASTROPHYSICS Volume: 543 Article Number: A74 DOI: 10.1051/0004-6361/201219291 Published: JUL 2012
ESA: Herschel

646 "Xin, L. P.; Pozanenko, A.; Kann, D. A.; Xu, D.; Gorosabel, J.; Leloudas, G.; Wei, J. Y.; Andreev, M.; Qin, S. F.; Ibrahimov, M.; Han, X. H.; Postigo, A. de Ugarte; Qiu, Y. L.; Deng, J. S.; Volnova, A.; Jakobsson, P.; Castro-Tirado, A. J.; Aceituno, F.; Fy" The shallow-decay phase in both the optical and X-ray afterglows of Swift GRB 090529A: energy injection into a wind-type medium? MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 422 Issue: 3 Pages: 2044-2050 DOI: 10.1111/j.1365-2966.2012.20681.x Published: MAY 2012
ORM: NOT

647 "Yagi, M; Leblanc, F; Chaufray, JY; Gonzalez-Galindo, F; Hess, S; Modolo, R" Mars exospheric thermal and non-thermal components: Seasonal and local variations ICARUS Volume: 221 Issue: 2 Pages: 682-693 DOI: 10.1016/j.icarus.2012.07.022 Published: NOV-DEC 2012
ESA: Mars Express/ASPERA-3

648 "Yelles Chaouche, L.; Kuckein, C.; Martinez Pillet, V.; Moreno-Insertis, F." THE THREE-DIMENSIONAL STRUCTURE OF AN ACTIVE REGION FILAMENT AS EXTRAPOLATED FROM PHOTOSPHERIC AND CHROMOSPHERIC OBSERVATIONS ASTROPHYSICAL JOURNAL Volume: 748 Issue: 1 Article Number: 23 DOI: 10.1088/0004-637X/748/1/23 Published: MAR 20 2012
IAC; Unv La Laguna
OT: VTT

649 "Zackrisson, E; Zitrin, A; Trenti, M; Rydberg, CE; Guaita, L; Schaerer, D; Broadhurst, T; Ostlin, G; Strom, T" Detecting gravitationally lensed Population III galaxies with the Hubble Space Telescope and the James Webb Space Telescope MONTHLY NOTICES OF THE

ROYAL ASTRONOMICAL SOCIETY Volume: 427 Issue: 3 Pages: 2212-2223 DOI:
10.1111/j.1365-2966.2012.22078.x Published: DEC 2012
ESA: Hubble/CLASH

650 "Zheng, W; Postman, M; Zitrin, A; Moustakas, J; Shu, XW; Jovel, S; Host, O; Molino, A; Bradley, L; Coe, D; Moustakas, LA; Carrasco, M; Ford, H; Benitez, N; Lauer, TR; Seitz, S; Bouwens, R; Koekemoer, A; Medezinski, E; Bartelmann, M; Broadhurst, T; Donahue" A magnified young galaxy from about 500 million years after the Big Bang NATURE Volume: 489 Issue: 7416 Pages: 406-408 DOI: 10.1038/nature11446 Published: SEP 20 2012
ESA: Hubble

651 "Zitrin, A.; Moustakas, J.; Bradley, L.; Coe, D.; Moustakas, L. A.; Postman, M.; Shu, X.; Zheng, W.; Benitez, N.; Bouwens, R.; Broadhurst, T.; Ford, H.; Host, O.; Jovel, S.; Koekemoer, A.; Meneghetti, M.; Rosati, P.; Donahue, M.; Grillo, C.; Kelson, D.; L" CLASH: DISCOVERY OF A BRIGHT z similar or equal to 6.2 DWARF GALAXY QUADRUPLY LENSED BY MACS J0329.6-0211 ASTROPHYSICAL JOURNAL LETTERS Volume: 747 Issue: 1 Article Number: L9 DOI: 10.1088/2041-8205/747/1/L9 Published: MAR 1 2012
ESA: Hubble/ACS/WFC3

652 "Zitrin, A.; Rosati, P.; Nonino, M.; Grillo, C.; Postman, M.; Coe, D.; Seitz, S.; Eichner, T.; Broadhurst, T.; Jovel, S.; Balestra, I.; Mercurio, A.; Scodreggio, M.; Benitez, N.; Bradley, L.; Ford, H.; Host, O.; Jimenez-Teja, Y.; Koekemoer, A.; Zheng, W.;" CLASH: NEW MULTIPLE IMAGES CONSTRAINING THE INNER MASS PROFILE OF MACS J1206.2-0847 ASTROPHYSICAL JOURNAL Volume: 749 Issue: 2 Article Number: 97 DOI: 10.1088/0004-637X/749/2/97 Published: APR 2012
ESA: Hubble/WFC3; ESO (Paranal): VLT/VIMOS

653 "Zitrin, A; Broadhurst, T; Bartelmann, M; Rephaeli, Y; Oguri, M; Benitez, N; Hao, JG; Umetsu, K" The universal Einstein radius distribution from 10 000 SDSS clusters MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 423 Issue: 3 Pages: 2308-2324 DOI: 10.1111/j.1365-2966.2012.21041.x Published: JUL 2012
ESA: Hubble

654 "Zitrin, Adi; Rephaeli, Yoel; Sadeh, Sharon; Medezinski, Elinor; Umetsu, Keiichi; Sayers, Jack; Nonino, Mario; Morandi, Andrea; Molino, Alberto; Czakon, Nicole; Golwala, Sunil R." Cluster-cluster lensing and the case of Abell 383 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 420 Issue: 2 Pages: 1621-1629 DOI: 10.1111/j.1365-2966.2011.20155.x Published: FEB 2012
ESA: Hubble

655 "Zurita, A; Bresolin, F" The chemical abundance in M31 from H II regions MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 427 Issue: 2 Pages: 1463-1481 DOI: 10.1111/j.1365-2966.2012.22075.x Published: DEC 2012
Unv Granada
ORM: INT