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Cosmology

Accreting supermassive black holes in the COSMOS field and the connection to their host galaxies
Bongiorno, A., Merloni, A., Brusa, M., Magnelli, B., Salvato, M., Mignoli, M., Zamorani, G., Fiore, F., Rosario, D., **Mainieri, V.**, Hao, H., Comastri, A., Vignali, C., Balestra, I., Bardelli, S., Berta, S., Civano, F., Kampczyk, P., Le Floc'h, E., Lusso, E., Lutz, D., Pozzetti, L., Pozzi, F., Riguccini, L., Shankar, F., & Silverman, J., 2012, MNRAS, 427, 3103 [ADS]
Instruments: VIMOS

Optical/Near-infrared Selection of Red Quasi-stellar Objects: Evidence for Steep Extinction Curves toward Galactic Centers?
Fynbo, J.P.U., Krogager, J.-K., Venemans, B., Noterdaeme, P., Vestergaard, M., **Møller, P.**, **Ledoux, C.**, & Geier, S., 2013, ApJS, 204, 6 [ADS]
Instruments: EFOSC2_NTT

GMASS ultradeep spectroscopy of galaxies at z ~ 2. VII. Sample selection and spectroscopy
Kurk, J., Cimatti, A., Daddi, E., Mignoli, M., Pozzetti, L., Dickinson, M., Bolzonella, M., Zamorani, G., Cassata, P., Rodighiero, G., Franceschini, A., Renzini, A., **Rosati, P.**, Halliday, C., & Berta, S., 2013, A&A, 549, 63 [ADS]
Instruments: FORS1, FORS2, ISAAC, WFI, WFI

A Strongly Lensed Massive Ultracompact Quiescent Galaxy at z ~ 2.4 in the COSMOS/UltraVISTA Field
Muzzin, A., Labbé, I., Franx, M., van Dokkum, P., Holt, J., Szomoru, D., van de Sande, J., **Brammer, G.**, Marchesini, D., Stefanon, M., Buitrago, F., Caputi, K.I., Dunlop, J., Fynbo, J.P.U., Le Févre, O., McCracken, H.J., & Milvang-Jensen, B., 2012, ApJ, 761, 142 [ADS]
Instruments: VIRCAM

The cosmic evolution of oxygen and nitrogen abundances in star-forming galaxies over the past 10 Gyr
Pérez-Montero, E., Contini, T., Lamareille, F., Maier, C., Carollo, C.M., Kneib, J.-P., Le Fèvre, O., Lilly, S., **Mainieri, V.**, Renzini, A., Scodeggio, 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., Kampczyk, P., Knobel, C., Kovač, K., Le Borgne, J.-F., Le Brun, V., Mignoli, M., Pellò, R., Peng, Y., Presotto, V., Ricciardelli, E., Silverman, J.D., Tanaka, M., Tasca, L.A.M., Tresse, L., Vergani, D., Zucca, E., 2013, A&A, 549, 25 [ADS]
Instruments: VIMOS

Millimeter imaging of submillimeter galaxies in the COSMOS field: redshift distribution
Smolčić, V., Aravena, M., Navarrete, F., Schinnerer, E., Riechers, D.A., Bertoldi, F., Feruglio, C., Finoguenov, A., Salvato, M., Sargent, M., McCracken, H.J., Albrecht, M., Karim, A., Capak, P., Carilli, C.L., Cappelluti, N., Elvis, M., Ilbert, O., Kartaltepe, J., Lilly, S., Sanders, D., Sheth, K., Scoville, N.Z., & Taniguchi, Y., 2012, A&A, 548, 4 [ADS]
Instruments: LABOCA, LABOCA, LABOCA, VIRCAM

Galaxies and Galactic Nuclei

The old globular cluster system of NGC 4365: new VLT/FORS2 spectra
Chies-Santos, A.L., Larsen, S.S., & **Kissler-Patig, M.**, 2012, MNRAS, 427, 2349 [ADS]
Instruments: FORS2

Spectroscopic evidence of distinct stellar populations in the counter-rotating stellar disks of NGC 3593 and NGC 4550
Coccato, L., Morelli, L., Pizzella, A., Corsini, E.M., Buson, L.M., & Dalla Bontà, E., 2013, A&A, 549, 3 [ADS]
Instruments: VIMOS

The orientation and polarization of broad absorption line quasars
DiPompeo, M.A., Brotherton, M.S., & **De Breuck, C.**, 2013, MNRAS, 428, 1565 [ADS]
Instruments: FORS1, FORS2, FORS2

The merging dwarf galaxy UM 448: chemodynamics of the ionized gas from VLT integral field spectroscopy
James, B.L., **Tsamis, Y.G.**, Barlow, M.J., **Walsh, J.R.**, & **Westmoquette, M.S.**, 2013, MNRAS, 428, 86 [ADS]
Instruments: SUSI2, FLAMES-GIRAFFE

Holographic imaging of crowded fields: high angular resolution imaging with excellent quality at very low cost
Schödel, R., Yelda, S., Ghez, A., **Girard, J.H.**, Labadie, L., Rebolo, R., Pérez-Garrido, A., & Morris, M.R., 2013, MNRAS, 429, 1367 [ADS]
Instruments: NACO, NACO, NACO, NACO, HAWK-I

Interstellar Medium, Star Formation and Planetary Systems

Stellar companions to exoplanet host stars: Lucky Imaging of transiting planet hosts
Bergfors, C., Brandner, W., **Daemgen, S.**, Biller, B., Hippler, S., Janson, M., Kudryavtseva, N., Geißler, K., Henning, T., & Köhler, R., 2013, MNRAS, 428, 182 [ADS]

Deep search for companions to probable young brown dwarfs. VLT/NACO adaptive optics imaging using IR wavefront sensing
Chauvin, G., Faherty, J., Boccaletti, A., Cruz, K., Lagrange, A.-M., Zuckerman, B., Bessell, M.S., Beuzit, J.-L., Bonnefoy, M., **Dumas, C.**, Lowrance, P., Mouillet, D., Song, I., 2012, A&A, 548, 33 [ADS]
Instruments: NACO, NACO

ATLASGAL - compact source catalogue: 330° < ℓ < 21°
Contreras, Y., **Schuller, F.**, Urquhart, J.S., Csengeri, T., Wyrowski, F., Beuther, H., Bontemps, S., Bronfman, L., Henning, T., Menten, K.M., Schilke, P., Walmsley, C.M., Wienen, M., Tackenberg, J., & Linz, H., 2013, A&A, 549, 45 [ADS]
Instruments: LABOCA, LABOCA, LABOCA, LABOCA, LABOCA

A multi-wavelength view of the Galactic center dust ridge reveals little star formation
Immer, K., Menten, K.M., **Schuller, F.**, & Lis, D.C., 2012, A&A, 548, 120 [ADS]
Instruments: LABOCA, LABOCA, LABOCA, LABOCA, LABOCA

The nucleus of Comet 67P/Churyumov-Gerasimenko. A new shape model and thermophysical analysis
Lowry, S., Duddy, S.R., Rozitis, B., Green, S.F., Fitzsimmons, A., Snodgrass, C., Hsieh, H.H., & **Hainaut, O.**, 2012, A&A, 548, 12 [ADS]
Instruments: EMMI, EMMI, EMMI

Discovery of Two Very Wide Binaries with Ultracool Companions and a New Brown Dwarf at the L/T Transition
Mužić, K., Radigan, J., Jayawardhana, R., **Ivanov, V.D.**, Faherty, J.K., Kurtev, R.G., Núñez, A., **Boffin, H.M.J.**, **Hainaut, O.**, Cruz, K., **Jones, D.**, Metchev, S., **Tyndall, A.**, & Borissova, J., 2012, AJ, 144, 180 [ADS]
Instruments: EFOSC2_NTT, EFOSC2_NTT

Spatially Resolved Observations of the Bipolar Optical Outflow from the Brown Dwarf 2MASS J12073347-3932540
Whelan, E.T., Ray, T.P., **Comeron, F.**, Bacciotti, F., & Kavanagh, P.J., 2012, ApJ, 761, 120 [ADS]
Instruments: FORS1, UVES, EMMI, SUSI2, X-SHOOTER

Stellar Evolution

Dynamical age differences among coeval star clusters as revealed by blue stragglers
Ferraro, F.R., Lanzoni, B., Dalessandro, E., **Beccari, G.**, Pasquato, M., Miocchi, P., Rood, R.T., Sigurdsson, S., Sills, A., Vesperini, E., Mapelli, M., Contreras, R., Sanna, N., & Mucciarelli, A., 2012, Natur, 492, 393 [ADS]
Instruments: WFI, WFI, WFI

Physical parameters and evolutionary route for the Large Magellanic Cloud interacting binary OGLE 05155332-6925581
Garrido, H.E., Mennickent, R.E., Djurašević, G., Kołaczkowski, Z., Niemczura, E., & Mennekens, N., 2013, MNRAS, 428, 1594 [ADS]
Instruments: FLAMES-UV, FLAMES-GIRAFFE

The Na-O anticorrelation in horizontal branch stars. III. 47 Tucanae and M 5
Gratton, R.G., Lucatello, S., Sollima, A., Carretta, E., Bragaglia, A., **Momany, Y.**, D'Orazi, V., Cassisi, S., Pietrinferni, A., & Salaris, M., 2013, A&A, 549, 41 [ADS]
Instruments: WFI, FLAMES-GIRAFFE

Carbon enrichment of the evolved stars in the Sagittarius dwarf spheroidal
McDonald, I., White, J.R., Zijlstra, A.A., Guzman Ramirez, L., Szyszka, C., van Loon, J.T., **Lagadec, E.**, & Jones, O.C., 2012, MNRAS, 427, 2647 [ADS]
Instruments: FLAMES-UV, FLAMES-GIRAFFE

A carbon dwarf wearing a Necklace: first proof of accretion in a post-common-envelope binary central star of a planetary nebula with jets
Miszalski, B., **Boffin, H.M.J.**, & Corradi, R.L.M., 2013, MNRAS, 428, L39 [ADS]
Instruments: FORS2

Detection of the Rossiter-McLaughlin effect in the 2012 June 6 Venus transit
Molaro, P., **Monaco, L.**, Barbieri, M., & Zaggia, S., 2013, MNRAS, 429, L79 [ADS]
Instruments: HARPS

Initial phases of massive star formation in high infrared extinction clouds. II. Infall and onset of star formation
Rygl, K.L.J., Wyrowski, F., **Schuller, F.**, & Menten, K.M., 2013, A&A, 549, 5 [ADS]
Instruments: APEX-2A

Miscellaneous

The Anatomy of an Extreme Starburst within 1.3 Gyr of the Big Bang Revealed by ALMA
Carilli, C.L., Riechers, D., Walter, F., Maiolino, R., **Wagg, J.**, Lentati, L., McMahon, R., & Wolfe, A., 2013, ApJ, 763, 120 [ADS]
Instruments: ALMA_Bands, ALMA_Bands, ALMA_Bands, ALMA_Bands

Papers without ESO data

SDSS photometry of asteroids in cometary orbits
Alvarez-Candal, A., 2013, A&A, 549, 34 [ADS]

The first planet detected in the WTS: an inflated hot Jupiter in a 3.35 d orbit around a late F star
Cappetta, M., Saglia, R.P., Birkby, J.L., Koppenhoefer, J., Pinfield, D.J., Hodgkin, S.T., Cruz, P., Kovács, G., Sipőcz, B., Barrado, D., Nefs, B., Pavlenko, Y.V., Fossati, L., del Burgo, C., Martín, E.L., Snellen, I., Barnes, J., **Bayo, A.**, Campbell, D.A., Catalan, S., Gálvez-Ortiz, M.C., Goulding, N., Haswell, C., Ivanyuk, O., Jones, H.R., Kuznetsov, M., Lodieu, N., Marocco, F., Mislis, D., Murgas, F., Napiwotzki, R., Palle, E., Pollacco, D., Sarro Baro, L., Solano, E., Steele, P., Stoev, H., Tata, R., & Zendejas, J., 2012, MNRAS, 427, 1877 [ADS]

Five old open clusters more in the outer Galactic disc
Carraro, G., Beletsky, Y., & **Marconi, G.**, 2013, MNRAS, 428, 502 [ADS]

A Redshift Survey of Herschel Far-infrared Selected Starbursts and Implications for Obscured Star Formation
Casey, C.M., Berta, S., Béthermin, M., Bock, J., Bridge, C., Budynkiewicz, J., Burgarella, D., Chapin, E., Chapman, S.C., Clements, D.L., Conley, A., Conselice, C.J., Cooray, A., Farrah, D., **Hatziminaoglou, E.**, Ivison, R.J., le Floc'h, E., Lutz, D., Magdis, G., Magnelli, B., Oliver, S.J., Page, M.J., Pozzi, F., Rigopoulou, D., Riguccini, L., Roseboom, I.G., Sanders, D.B., Scott, D., Seymour, N., Valtchanov, I., Vieira, J.D., Viero, M., & Wardlow, J., 2012, ApJ, 761, 140 [ADS]

A Population of z > 2 Far-infrared Herschel-SPIRE-selected Starbursts
Casey, C.M., Berta, S., Béthermin, M., Bock, J., Bridge, C., Burgarella, D., Chapin, E., Chapman, S.C., Clements, D.L., Conley, A., Conselice, C.J., Cooray, A., Farrah, D., **Hatziminaoglou, E.**, Ivison, R.J., le Floc'h, E., Lutz, D., Magdis, G., Magnelli, B., Oliver, S.J., Page, M.J., Pozzi, F., Rigopoulou, D., Riguccini, L., Roseboom, I.G., Sanders, D.B., Scott, D., Seymour, N., Valtchanov, I., Vieira, J.D., Viero, M., & Wardlow, J., 2012, ApJ, 761, 139 [ADS]

Synthetic observations of first hydrostatic cores in collapsing low-mass dense cores. II. Simulated ALMA dust emission maps
Commerçon, B., Levrier, F., **Maury, A.J.**, Henning, T., & Launhardt, R., 2012, A&A, 548, 39 [ADS]

The Herschel Fornax Cluster Survey - I. The bright galaxy sample
Davies, J.I., Bianchi, S., Baes, M., Boselli, A., Ciesla, L., Clemens, M., **Davis, T.A.**, De Looze, I., Alighieri, S.d.S., Fuller, C., Fritz, J., Hunt, L.K., Serra, P., Smith, M.W.L., Verstappen, J., **Vlahakis, C.**, Xilouris, E.M., Bomans, D., Hughes, T., **Garcia-Appadoo, D.**, & Madden, S., 2013, MNRAS, 428, 834 [ADS]

Galaxy And Mass Assembly (GAMA): the 0.013 < z < 0.1 cosmic spectral energy distribution from 0.1 μm to 1 mm
Driver, S.P., Robotham, A.S.G., Kelvin, L., Alpaslan, M., Baldry, I.K., Bamford, S.P., Brough, S., Brown, M., Hopkins, A.M., **Liske, J.**, Loveday, J., Norberg, P., Peacock, J.A., Andrae, E., Bland-Hawthorn, J., Bourne, N., Cameron, E., Colless, M., Conselice, C.J., Croom, S.M., Dunne, L., Frenk, C.S., Graham, A.W., Gunawardhana, M., Hill, D.T., Jones, D.H., Kuijken, K., Madore, B., Nichol, R.C., Parkinson, H.R., Pimbblet, K.A., Phillipps, S., Popescu, C.C., Prescott, M., Seibert, M., Sharp, R.G., Sutherland, W.J., Taylor, E.N., Thomas, D., Tuffs, R.J., **van Kampen, E.**, Wijesinghe, D., & Wilkins, S., 2012, MNRAS, 427, 3244 [ADS]

Jet and torus orientations in high redshift radio galaxies
Drouart, G., **De Breuck, C.**, **Vernet, J.**, **Laing, R.A.**, Seymour, N., Stern, D., Haas, M., Pier, E.A., & Rocca-Volmerange, B., 2012, A&A, 548, 45 [ADS]

Can Dust Emission be Used to Estimate the Mass of the Interstellar Medium in Galaxies—A Pilot Project with the Herschel Reference Survey
Eales, S., Smith, M.W.L., Auld, R., Baes, M., Bendo, G.J., Bianchi, S., Boselli, A., Ciesla, L., Clements, D., Cooray, A., **Cortese, L.**, Davies, J., De Looze, I., Galametz, M., Gear, W., Gentile, G., Gomez, H., Fritz, J., Hughes, T., Madden, S., Magrini, L., Pohlen, M., Spinoglio, L., Verstappen, J., **Vlahakis, C.**, & Wilson, C.D., 2012, ApJ, 761, 168 [ADS]

Hα kinematics of S4G spiral galaxies - I. NGC 864
Erroz-Ferrer, S., Knapen, J.H., Font, J., Beckman, J.E., Falcón-Barroso, J., Sánchez-Gallego, J.R., Athanassoula, E., Bosma, A., **Gadotti, D.A.**, Muñoz-Mateos, J.C., Sheth, K., Buta, R.J., Comerón, S., Gil de Paz, A., Hinz, J.L., Ho, L.C., **Kim, T.**, Laine, J., Laurikainen, E., Madore, B.F., Menéndez-Delmestre, K., Mizusawa, T., Regan, M.W., Salo, H., & Seibert, M., 2012, MNRAS, 427, 2938 [ADS]

Evidence for grain growth in molecular clouds: A Bayesian examination of the extinction law in Perseus
Foster, J.B., Mandel, K.S., **Pineda, J.E.**, Covey, K.R., Arce, H.G., & Goodman, A.A., 2013, MNRAS, 428, 1606 [ADS]

Pilot observations for MALT-45: a Galactic plane survey at 7 mm
Jordan, C.H., Walsh, A.J., Lowe, V., Lo, N., Purcell, C.R., Voronkov, M.A., & **Longmore, S.N.**, 2013, MNRAS, 429, 469 [ADS]

Disc clearing of young stellar objects: evidence for fast inside-out dispersal
Koepferl, C.M., Ercolano, B., Dale, J., Teixeira, P.S., Ratzka, T., & **Spezzi, L.**, 2013, MNRAS, 428, 3327 [ADS]

Dust and gas in carbon stars towards the Galactic halo
Lagadec, E., Sloan, G.C., Zijlstra, A.A., Mauron, N., & Houck, J.R., 2012, MNRAS, 427, 2588 [ADS]

How to recover both velocity components in discs of barred galaxies with integral-field spectroscopy
Maciejewski, W., **Emsellem, E.**, & **Krajnović, D.**, 2012, MNRAS, 427, 3427 [ADS]

Chandra Observations of 3C Radio Sources with z < 0.3. II. Completing the Snapshot Survey
Massaro, F., **Tremblay, G.R.**, Harris, D.E., Kharb, P., Axon, D., Balmaverde, B., Baum, S.A., Capetti, A.,

Chiaberge, M., Gilli, R., Giovannini, G., Grandi, P., Macchetto, F.D., O'Dea, C.P., Risaliti, G., Sparks, W., & Torresi, E., 2012, ApJS, 203, 31 [ADS]

Lifetime and Failure Characteristics of Pt/Ne Hollow Cathode Lamps Used as Calibration Sources for UV Space Instruments
Nave, G., Sansonetti, C.J., Penton, S.V., Cunningham, N., Beasley, M., Osterman, S., **Kerber, F.**, Keyes, C.D.(., & **Rosa, M.R.**, 2012, PASP, 124, 1295 [ADS]

The Radial Distribution of Star Formation in Galaxies at z ~ 1 from the 3D-HST Survey
Nelson, E.J., van Dokkum, P.G., Momcheva, I., **Brammer, G.**, Lundgren, B., Skelton, R.E., Whitaker, K.E., Da Cunha, E., Förster Schreiber, N., Franx, M., Fumagalli, M., Kriek, M., Labbe, I., Leja, J., Patel, S., Rix, H.-W., Schmidt, K.B., van der Wel, A., Wuyts, S., 2013, ApJ, 763, L16 [ADS]

Photometric distances to young stars in the inner Galactic disk. II. The region towards the open cluster Trumpler 27 at L = 355°
Perren, G., Vázquez, R.A., & **Carraro, G.**, 2012, A&A, 548, 125 [ADS]

The SLUGGS Survey: kinematics for over 2500 globular clusters in 12 early-type galaxies
Pota, V., Forbes, D.A., Romanowsky, A.J., Brodie, J.P., Spitler, L.R., Strader, J., **Foster, C.**, Arnold, J.A., Benson, A., Blom, C., Hargis, J.R., Rhode, K.L., & Usher, C., 2013, MNRAS, 428, 389 [ADS]

Globular cluster luminosity function as distance indicator
Rejkuba, M., 2012, Ap&SS, 341, 195 [ADS]

Recent star formation in the Lupus clouds as seen by Herschel
Rygl, K.L.J., Benedettini, M., Schisano, E., Elia, D., Molinari, S., Pezzuto, S., André, P., Bernard, J.P., White, G.J., Polychroni, D., Bontemps, S., Cox, N.L.J., Di Francesco, J., Facchini, A., Fallscheer, C., di Giorgio, A.M., Hennemann, M., Hill, T., Könyves, V., Minier, V., Motte, F., Nguyen-Luong, Q., Peretto, N., Pestalozzi, M., Sadavoy, S., Schneider, N., Spinoglio, L., **Testi, L.**, & Ward-Thompson, D., 2013, A&A, 549, L1 [ADS]

Building a VO-compliant Radio Astronomical DAta Model for Single-dish radio telescopes (RADAMS)
Santander-Vela, J.d.D., García, E., **Leon, S.**, Espigares, V., Ruiz, J.E., Verdes-Montenegro, L., & Solano, E., 2012, ExA, 34, 623 [ADS]

Discovery of a giant HI tail in the galaxy group HCG 44
Serra, P., Koribalski, B., Duc, P.-A., Oosterloo, T., McDermid, R.M., Michel-Dansac, L., **Emsellem, E.**, Cuillandre, J.-C., Alatalo, K., Blitz, L., Bois, M., Bournaud, F., Bureau, M., Cappellari, M., Crocker, A.F., Davies, R.L., **Davis, T.A.**, **de Zeeuw, P.T.**, Khochfar, S., **Krajnović, D.**, **Kuntschner, H.**, **Lablanche, P.-Y.**, Morganti, R., Naab, T., Sarzi, M., Scott, N., Weijmans, A.-M., Young, L.M., 2013, MNRAS, 428, 370 [ADS]

Microlensing Binaries with Candidate Brown Dwarf Companions
Shin, I.-G., Han, C., Gould, A., Udalski, A., Sumi, T., Dominik, M., Beaulieu, J.-P., Tsapras, Y., Bozza, V., Szymański, M.K., Kubiak, M., Soszyński, I., Pietrzyński, G., Poleski, R., Ulaczyk, K., Pietrukowicz, P., Kozłowski, S., Skowron, J., Wyrzykowski, Ł., The OGLE Collaboration, T.O.C., Abe, F., Bennett, D.P., Bond, I.A., Botzler, C.S., Freeman, M., Fukui, A., Furusawa, K., Hayashi, F., Hearnshaw, J.B., Hosaka, S., Itow, Y., Kamiya, K., Kilmartin, P.M., Kobara, S., Korpela, A., Lin, W., Ling, C.H., Makita, S., Masuda, K., Matsubara, Y., Miyake, N., Muraki, Y., Nagaya, M., Nishimoto, K., Ohnishi, K., Okumura, T., Omori, K., Perrott, Y.C., Rattenbury, N., Saito, T., Skuljan, L., Sullivan, D.J., Suzuki, D., Sweatman, W.L., Tristram, P.J., Wada, K., Yock, P.C.M., The MOA Collaboration, T.M.C., Christie, G.W., Depoy, D.L., Dong, S., Gal-Yam, A., Gaudi, B.S., Hung, L.-W., Janczak, J., Kaspi, S., Maoz, D., McCormick, J., McGregor, D., Moorhouse, D., Muñoz, J.A., Natusch, T., Nelson, C., Pogge, R.W., Tan, T.-G., Polishook, D., Shvartzvald, Y., Shporer, A., Thornley, G., Malamud, U., Yee, J.C., Choi, J.-Y., Jung, Y.-K., Park, H., Lee, C.-U., Park, B.-G., Koo, J.-R., The μFUN Collaboration, T.μ.C., Bajek, D., **Bramich, D.M.**, Browne, P., Horne, K., Ipatov, S., **Snodgrass, C.**, Steele, I., Street, R., Alsubai, K.A., Burgdorf, M.J., Calchi Novati, S., Dodds, P., Dreizler, S., Fang, X.-S., Grundahl, F., Gu, C.-H., Hardis, S., Harpsøe, K., Hinse, T.C., Hundertmark, M., Jessen-Hansen, J., Jørgensen, U.G., **Kains, N.**, Kerins, E., Liebig, C., Lund, M., Lundkvist, M., Mancini, L., Mathiasen, M., Hornstrup, A., Penny, M.T., Proft, S., Rahvar, S., Ricci, D., Scarpetta, G., Skottfelt, J., Southworth, J., Surdej, J., Tregloan-Reed, J., Wertz, O., Zimmer, F., Albrow, M.D., Batista, V., **Brillant, S.**, Caldwell, J.A.R., Calitz, J.J., Cassan, A., Cole, A., Cook, K.H., Corrales, E., Coutures, C., Dieters, S., Dominis Prester, D., Donatowicz, J., Fouqué, P., Greenhill, J., Hill, K., Hoffman, M., Kane, S.R., **Kubas, D.**, Marquette, J.-B., Martin, R., Meintjes, P., Menzies, J., Pollard, K.R., Sahu, K.C., Wambsganss, J., Williams, A., Vinter, C., Zub, M., 2012, ApJ, 760, 116 [ADS]

EChO. Exoplanet characterisation observatory
Tinetti, G., Beaulieu, J.P., Henning, T., Meyer, M., Micela, G., Ribas, I., Stam, D., Swain, M., Krause, O., Ollivier, M., Pace, E., Swinyard, B., Aylward, A., van Boekel, R., Coradini, A., Encrenaz, T., Snellen, I., Zapatero-Osorio, M.R., Bouwman, J., Cho, J.Y.-K., Coudé de Foresto, V., Guillot, T., Lopez-Morales, M., Mueller-Wodarg, I., Palle, E., Selsis, F., Sozzetti, A., Ade, P.A.R., Achilleos, N., Adriani, A., Agnor, C.B., Afonso, C., Prieto, C.A., Bakos, G., Barber, R.J., Barlow, M., Batista, V., Bernath, P., Bézard, B., Bordé, P., Brown, L.R., Cassan, A., Cavarroc, C., Ciaravella, A., Cockell, C., Coustenis, A., Danielski, C., Decin, L., Kok, R.D., Demangeon, O., Deroo, P., Doel, P., Drossart, P., Fletcher, L.N., Focardi, M., Forget, F., Fossey, S., Fouqué, P., Frith, J., Galand, M., Gaulme, P., Hernández, J.I.G., Grasset, O., Grassi, D., Grenfell, J.L., Griffin, M.J., Griffith, C.A., Grözinger, U., Guedel, M., Guio, P., **Hainaut, O.**, Hargreaves, R., Hauschildt, P.H., Heng, K., Heyrovsky, D., Hueso, R., Irwin, P., Kaltenegger, L., Kervella, P., Kipping, D., Koskinen, T.T., Kovács, G., La Barbera, A., Lammer, H., Lellouch, E., Leto, G., Lopez Morales, M., Lopez Valverde, M.A., Lopez-Puertas, M., Lovis, C., Maggio, A., Maillard, J.P., Maldonado Prado, J., Marquette, J.B., Martin-Torres, F.J., Maxted, P., Miller, S., Molinari, S., Montes, D., Moro-Martin, A., Moses, J.I., Mousis, O., Nguyen Tuong, N., Nelson, R., Orton, G.S., Pantin, E., Pascale, E., Pezzuto, S., Pinfield, D., Poretti, E., Prinja, R., Prisinzano, L., Rees, J.M., Reiners, A., Samuel, B., Sánchez-Lavega, A., Forcada, J.S., Sasselov, D., Savini, G., Sicardy, B., Smith, A., Stixrude, L., Strazzulla, G., Tennyson, J., Tessenyi, M., Vasisht, G., Vinatier, S., Viti, S., Waldmann, I., White, G.J., Widemann, T., Wordsworth, R., Yelle, R., Yung, Y., Yurchenko, S.N., 2012, ExA, 34, 311 [ADS]

Time-dependent excitation and ionization modelling of absorption-line variability due to GRB 080310
Vreeswijk, P.M., **Ledoux, C.**, Raassen, A.J.J., **Smette, A.**, De Cia, A., Woźniak, P.R., **Fox, A.J.**, Vestrand, W.T., & Jakobsson, P., 2013, A&A, 549, 22 [ADS]

Maser Source-Finding Methods in HOPS
Walsh, A.J., Purcell, C., **Longmore, S.**, Jordan, C.H., & Lowe, V., 2012, PASA, 29, 262 [ADS]

Spatially resolved kinematics of the multi-phase interstellar medium in the inner disc of M82
Westmoquette, M.S., Smith, L.J., Gallagher, J.S., & Walter, F., 2013, MNRAS, 428, 1743 [ADS]

The Herschel<xref rid="fn1">★</xref> view of the environment of the radio galaxy 4C+41.17 at z = 3.8
Wylezalek, D., **Vernet, J.**, **De Breuck, C.**, Stern, D., Galametz, A., Seymour, N., Jarvis, M., Barthel, P., **Drouart, G.**, Greve, T.R., Haas, M., Hatch, N., Ivison, R., Lehnert, M., Meisenheimer, K., Miley, G., Nesvadba, N., Röttgering, H.J.A., & Stevens, J.A., 2013, MNRAS, 428, 3206 [ADS]

The dust energy balance in the edge-on spiral galaxy NGC 4565
de Looze, I., Baes, M., Bendo, G.J., Ciesla, L., **Cortese, L.**, de Geyter, G., Groves, B., Boquien, M., Boselli, A., Brondeel, L., Cooray, A., Eales, S., Fritz, J., Galliano, F., Gentile, G., Gordon, K.D., Hony, S., Law, K.-H., Madden, S.C., Sauvage, M., Smith, M.W.L., Spinoglio, L., Verstappen, J., 2012, MNRAS, 427, 2797 [ADS]

ORIGIN: metal creation and evolution from the cosmic dawn
den Herder, J.-W., Piro, L., Ohashi, T., Kouveliotou, C., Hartmann, D.H., Kaastra, J.S., Amati, L., Andersen, M.I., Arnaud, M., Attéia, J.-L., Bandler, S., Barbera, M., Barcons, X., Barthelmy, S., Basa, S., Basso, S., Boer, M., Branchini, E., Branduardi-Raymont, G., Borgani, S., Boyarsky, A., Brunetti, G., Budtz-Jorgensen, C., Burrows, D., Butler, N., Campana, S., Caroli, E., Ceballos, M., Christensen, F., Churazov, E., Comastri, A., Colasanti, L., Cole, R., Content, R., Corsi, A., Costantini, E., Conconi, P., Cusumano, G., de Plaa, J., De Rosa, A., Del Santo, M., Di Cosimo, S., De Pasquale, M., Doriese, R., Ettori, S., Evans, P., Ezoe, Y., Ferrari, L., Finger, H., Figueroa-Feliciano, T., Friedrich, P., Fujimoto, R., Furuzawa, A., Fynbo, J., Gatti, F., Galeazzi, M., Gehrels, N., Gendre, B., Ghirlanda, G., Ghisellini, G., Gilfanov, M., Giommi, P., Girardi, M., Grindlay, J., Cocchi, M., Godet, O., Guedel, M., Haardt, F., den Hartog, R., Hepburn, I., Hermsen, W., Hjorth, J., Hoekstra, H., Holland, A., Hornstrup, A., van der Horst, A., Hoshino, A., in't Zand, J., Irwin, K., Ishisaki, Y., Jonker, P., Kitayama, T., Kawahara, H., Kawai, N., Kelley, R., Kilbourne, C., de Korte, P., Kusenko, A., Kuvvetli, I., Labanti, M., Macculi, C., Maiolino, R., Hesse, M.M., Matsushita, K., Mazzotta, P., McCammon, D., Méndez, M., Mignani, R., Mineo, T., Mitsuda, K., Mushotzky, R., Molendi, S., Moscardini, L., Natalucci, L., Nicastro, F., O'Brien, P., Osborne, J., Paerels, F., Page, M., Paltani, S., Pedersen, K., Perinati, E., Ponman, T., Pointecouteau, E., Predehl, P., Porter, S., Rasmussen, A., Rauw, G., Röttgering, H., Roncarelli, M., **Rosati, P.**, Quadrini, E., Ruchayskiy, O., Salvaterra, R., Sasaki, S., Sato, K., Savaglio, S., Schaye, J., Sciortino, S., Shaposhnikov, M., Sharples, R., Shinozaki, K., Spiga, D., Sunyaev, R., Suto, Y., Takei, Y., Tanvir, N., Tashiro, M., Tamura, T., Tawara, Y., Troja, E., Tsujimoto, M., Tsuru, T., Ubertini, P., Ullom, J., Ursino, E., Verbunt, F., van de Voort, F., Viel, M., Wachter, S., Watson, D., Weisskopf, M., Werner, N., White, N., Willingale, R., Wijers, R., Yamasaki, N., Yoshikawa, K., Zane, S., 2012, ExA, 34, 519 [ADS]

Flows of gas through a protoplanetary gap
Casassus, S., van der Plas, G., Perez, S.M., **Dent, W.R.F.**, Fom Alont, E., Hagelberg, J., Hales, A., Jordan, A.,

Mawet, D., Menard, F., Wootten, A., Wilner, D., Hughes, A.M., Schreiber, M.R., **Girard, J.H.**, Ercolano, B., Canovas, H., Roman, P.E., & Salinas, V., 2013, Natur, 493, 191 [ADS]

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