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Cosmology

[The bimodality of the 10k zCOSMOS-bright galaxies up to \$z \sim 1\$: a new statistical and portable classification based on optical galaxy properties](#)

Coppa, G., Mignoli, M., Zamorani, G., Bardelli, S., Lilly, S.J., Bolzonella, M., Scodreggio, M., Vergani, D., Nair, P., Pozzetti, L., Cimatti, A., Zucca, E., Carollo, C.M., Contini, T., Le Fèvre, O., Renzini, A., **Mainieri, V.**, Bongiorno, A., Caputi, K.I., Cucciati, O., de la Torre, S., de Ravel, L., Franzetti, P., Garilli, B., Memeo, P., Iovino, A., Kampczyk, P., Kneib, J.-P., Knobel, C., Koekemoer, A.M., Kovač, K., Lamareille, F., Le Borgne, J.-F., Le Brun, V., Maier, C., Pellò, R., Peng, Y., Perez-Montero, E., Ricciardelli, E., Scarlata, C., **Silverman, J.D.**, **Tanaka, M.**, Tasca, L., Tresse, L., Abbas, U., Bottini, D., Capak, P., Cappi, A., Cassata, P., Fumana, M., Guzzo, L., Leauthaud, A., Maccagni, D., Marinoni, C., Meneux, B., Oesch, P., Porciani, C., Scaramella, R., Scoville, N., 2011, A&A, 535, 10 [\[ADS\]](#)

Instruments: VIMOS

[The effect of the environment on the gas kinematics and the structure of distant galaxies](#)

Jaffé, Y.L., Aragón-Salamanca, A., **Kuntschner, H.**, Bamford, S., Hoyos, C., De Lucia, G., Halliday, C., Milvang-Jensen, B., Poggianti, B., Rudnick, G., Saglia, R.P., Sanchez-Blazquez, P., & Zaritsky, D., 2011, MNRAS, 417, 1996 [\[ADS\]](#)

Instruments: FORS2

[VLT multi-epoch radial velocity survey toward NGC 6253. Analysis of three transiting planetary candidates](#)

Montalto, M., Villanova, S., Koppenhoefer, J., Piotto, G., Desidera, S., de Marchi, F., Poretti, E., Bedin, L.R., & **Saviane, I.**, 2011, A&A, 535, 39 [\[ADS\]](#)

Instruments: FEROS2.2, WFI, FLAMES-UV, FLAMES-GIRAFFE

[HD 144432: A young triple system](#)

Müller, A., Carmona, A., **van den Ancker, M.E.**, van Boekel, R., Henning, T., & Launhardt, R., 2011, A&A, 535, L3 [\[ADS\]](#)

Instruments: NACO, FEROS2.2

[The VLA Survey of Chandra Deep Field South. V. Evolution and Luminosity Functions of Sub-millijansky Radio Sources and the Issue of Radio Emission in Radio-quiet Active Galactic Nuclei](#)

Padovani, P., Miller, N., Kellermann, K.I., **Mainieri, V.**, **Rosati, P.**, & Tozzi, P., 2011, ApJ, 740, 20 [\[ADS\]](#)

Instruments: FORS1, FORS1, FORS2, FORS2, FORS2, ISAAC, WFI, VIMOS

Galaxies and Galactic Nuclei

[The inner Galactic bar traced by the VVV survey](#)

Gonzalez, O.A., **Rejkuba, M.**, **Minniti, D.**, Zoccali, M., **Valenti, E.**, & Saito, R.K., 2011, A&A, 534, L14 [\[ADS\]](#)

Instruments: VIRCAM

[Reddening and metallicity maps of the Milky Way bulge from VVV and 2MASS. I. The method and minor axis maps](#)

Gonzalez, O.A., **Rejkuba, M.**, Zoccali, M., **Valenti, E.**, & **Minniti, D.**, 2011, A&A, 534, 3 [\[ADS\]](#)

Instruments: VIRCAM

[Three Galactic globular cluster candidates](#)

Moni Bidin, C., Mauro, F., Geisler, D., Minniti, D., Catelan, M., Hempel, M., **Valenti, E.**, Valcarce, A.A.R., Alonso-

García, J., Borissova, J., **Carraro, G.**, Lucas, P., Chené, A.-N., Zoccali, M., Kurtev, R.G., 2011, A&A, 535, 33 [[ADS](#)]
Instruments: VIRCAM

Interstellar Medium, Star Formation and Planetary Systems

[SS433's accretion disc, wind and jets: before, during and after a major flare](#)

Blundell, K.M., **Schmidtbreick, L.**, & Trushkin, S., 2011, MNRAS, 417, 2401 [[ADS](#)]
Instruments: EMMI

[The 2011 outburst of the recurrent nova T Pyxidis. Evidence for a face-on bipolar ejection](#)

Chesneau, O., Meilland, A., Banerjee, D.P.K., Le Bouquin, J.-B., McAlister, H., Millour, F., Ridgway, S.T., Spang, A., Ten Brummelaar, T., **Wittkowski, M.**, Ashok, N.M., Benisty, M., **Berger, J.-P.**, Boyajian, T., Farrington, C., Goldfinger, P.J., **Merand, A.**, Nardetto, N., Petrov, R., **Rivinius, T.**, Schaefer, G., Touhami, Y., Zins, G., 2011, A&A, 534, L11 [[ADS](#)]
Instruments: AMBER, AMBER, PIONIER

[The HARPS search for southern extra-solar planets. XXX. Planetary systems around stars with solar-like magnetic cycles and short-term activity variation](#)

Dumusque, X., Lovis, C., Ségransan, D., Mayor, M., Udry, S., Benz, W., Bouchy, F., **Lo Curto, G.**, Mordasini, C., Pepe, F., Queloz, D., Santos, N.C., & Naef, D., 2011, A&A, 535, 55 [[ADS](#)]
Instruments: HARPS, HARPS

[Discovery and Mass Measurements of a Cold, 10 Earth Mass Planet and Its Host Star](#)

Muraki, Y., Han, C., Bennett, D.P., Suzuki, D., Monard, L.A.G., Street, R., Jorgensen, U.G., Kundurthy, P., Skowron, J., Becker, A.C., Albrow, M.D., Fouqué, P., Heyrovský, D., Barry, R.K., Beaulieu, J.-P., Wellnitz, D.D., Bond, I.A., Sumi, T., Dong, S., Gaudi, B.S., **Bramich, D.M.**, Dominik, M., Abe, F., Botzler, C.S., Freeman, M., Fukui, A., Furusawa, K., Hayashi, F., Hearnshaw, J.B., Hosaka, S., Itow, Y., Kamiya, K., Korpela, A.V., Kilmartin, P.M., Lin, W., Ling, C.H., Makita, S., Masuda, K., Matsubara, Y., Miyake, N., Nishimoto, K., Ohnishi, K., Perrott, Y.C., Rattenbury, N.J., Saito, T., Skuljan, L., Sullivan, D.J., Sweatman, W.L., Tristram, P.J., Wada, K., Yock, P.C.M., (The MOA Collaboration, (.M.C., Christie, G.W., DePoy, D.L., Gorbikov, E., Gould, A., Kaspi, S., Lee, C.-U., Mallia, F., Maoz, D., McCormick, J., Moorhouse, D., Natusch, T., Park, B.-G., Pogge, R.W., Polishook, D., Shporer, A., Thornley, G., Yee, J.C., (The μ FUN Collaboration, (. μ .C., Allan, A., Browne, P., Horne, K., **Kains, N.**, **Snodgrass, C.**, Steele, I., Tsapras, Y., (The RoboNet Collaboration, (.R.C., Batista, V., Bennett, C.S., **Brilliant, S.**, Caldwell, J.A.R., Cassan, A., Cole, A., Corrales, R., Coutures, C., Dieters, S., Dominis Prester, D., Donatowicz, J., Greenhill, J., **Kubas, D.**, Marquette, J.-B., Martin, R., Menzies, J., Sahu, K.C., Waldman, I., Williams, A., Zub, M., (The PLANET Collaboration, (.P.C., Bourhous, H., Matsuoka, Y., Nagayama, T., Oi, N., Randriamanakoto, Z., Observers, (. Bozza, V., Burgdorf, M.J., Calchi Novati, S., Dreizler, S., Finet, F., Glittrup, M., Harpsøe, K., Hinse, T.C., Hundertmark, M., Liebig, C., Maier, G., Mancini, L., Mathiasen, M., Rahvar, S., Ricci, D., Scarpetta, G., Skottfelt, J., Surdej, J., Southworth, J., Wambsganss, J., Zimmer, F., MiNDSTEp Consortium, (. Udalski, A., Poleski, R., Wyrzykowski, Ł., Ulaczyk, K., Szymański, M.K., Kubiak, M., Pietrzyński, G., Soszyński, I., (The OGLE Collaboration, (.O.C., 2011, ApJ, 741, 22 [[ADS](#)]
Instruments: NACO

[Quantitative evidence of an intrinsic luminosity spread in the Orion nebula cluster](#)

Reggiani, M., Robberto, M., da Rio, N., Meyer, M.R., Soderblom, D.R., & **Ricci, L.**, 2011, A&A, 534, 83 [[ADS](#)]
Instruments: WFI

[A Search for Water Vaporization on Ceres](#)

Rousselot, P., Jehin, E., Manfroid, J., Mousis, O., **Dumas, C.**, Carry, B., Marboeuf, U., & Zucconi, J.-M., 2011, AJ, 142, 125 [[ADS](#)]
Instruments: UVES

[The HARPS search for southern extra-solar planets. XXIX. Four new planets in orbit around the moderately active dwarfs HD 63765, HD 104067, HD 125595, and HIP 70849](#)

Ségransan, D., Mayor, M., Udry, S., Lovis, C., Benz, W., Bouchy, F., **Lo Curto, G.**, Mordasini, C., Moutou, C., Naef, D., Pepe, F., Queloz, D., & Santos, N., 2011, A&A, 535, 54 [[ADS](#)]
Instruments: HARPS

[Chemical abundances in the protoplanetary disc LV 2 \(Orion\) - II. High-dispersion VLT observations and microjet properties](#)

Tsamis, Y.G., & **Walsh, J.R.**, 2011, MNRAS, 417, 2072 [[ADS](#)]
Instruments: FLAMES-GIRAFFE

[The unusual protoplanetary disk around the T Tauri star ET Chamaeleontis](#)

Woitke, P., Riaz, B., Duchêne, G., Pascucci, I., Lyo, A.-R., **Dent, W.R.F.**, Phillips, N., Thi, W.-F., Ménard, F., Herczeg, G.J., Bergin, E., Brown, A., Mora, A., Kamp, I., Aresu, G., Brittain, S., **de Gregorio-Monsalvo, I.**, Sandell, G., 2011, A&A, 534, 44 [[ADS](#)]

Instruments: ISAAC, LABOCA

Stellar Evolution

[X-Shooter GTO: chemical analysis of a sample of EMP candidates](#)

Caffau, E., Bonifacio, P., François, P., Spite, M., Spite, F., Zaggia, S., Ludwig, H.-G., **Monaco, L.**, Sbordone, L., Cayrel, R., Hammer, F., Randich, S., Hill, V., Molaro, P., 2011, A&A, 534, 4 [[ADS](#)]

Instruments: X-SHOOTER

[MAD about the Large Magellanic Cloud. Preparing for the era of Extremely Large Telescopes](#)

Fiorentino, G., Tolstoy, E., Diolaiti, E., **Valenti, E.**, Cignoni, M., & Mackey, A.D., 2011, A&A, 535, 63 [[ADS](#)]

Instruments: MAD

[The Na-O anticorrelation in horizontal branch stars. I. NGC 2808](#)

Gratton, R.G., Lucatello, S., Carretta, E., Bragaglia, A., D'Orazi D'Orazi, V., & **Momany, Y.A.**, 2011, A&A, 534, 123 [[ADS](#)]

Instruments: FLAMES-GIRAFFE

[A mid-infrared imaging catalogue of post-asymptotic giant branch stars](#)

Lagadec, E., Verhoelst, T., Mékarnia, D., Suáñez, O., Zijlstra, A.A., Bendjoya, P., Szczerba, R., Chesneau, O., van Winckel, H., Barlow, M.J., Matsuura, M., Bowey, J.E., Lorenz-Martins, S., & Gledhill, T., 2011, MNRAS, 417, 32 [[ADS](#)]

Instruments: VISIR, VISIR, VISIR

[The subgiant branch of \$\omega\$ Centauri seen through high-resolution spectroscopy. II. The most metal-rich population](#)

Pancino, E., Mucciarelli, A., Bonifacio, P., **Monaco, L.**, & Sbordone, L., 2011, A&A, 534, 53 [[ADS](#)]

Instruments: FORS1, WFI, WFI, FLAMES-GIRAFFE

Miscellaneous

[A Nearby Gamma-Ray Burst Host Prototype for \$z \sim 7\$ Lyman-break Galaxies: Spitzer-IRS and X-shooter Spectroscopy of the Host Galaxy of GRB 031203](#)

Watson, D., French, J., **Christensen, L.**, O'Halloran, B., Michałowski, M., Hjorth, J., Malesani, D., Fynbo, J.P.U., Gordon, K.D., Castro Cerón, J.M., Covino, S., & Reinfrank, R.F., 2011, ApJ, 741, 58 [[ADS](#)]

Instruments: LABOCA, X-SHOOTER

[First stars. XV. Third-peak r-process element and actinide abundances in the uranium-rich star CS31082-001](#)

Barbuy, B., Spite, M., Hill, V., **Primas, F.**, Plez, B., Cayrel, R., Spite, F., Wanajo, S., Siqueira Mello, C., Andersen, J., Nordström, B., Beers, T.C., Bonifacio, P., François, P., & Molaro, P., 2011, A&A, 534, 60 [[ADS](#)]

Instruments: UVES

[Bisectors of the HARPS cross-correlation function. The dependence on stellar atmospheric parameters](#)

Baştürk, Ö., Dall, T.H., Collet, R., **Lo Curto, G.**, & Selam, S.O., 2011, A&A, 535, 17 [[ADS](#)]

Instruments: HARPS

[Massive star formation in the GMC G345.5+1.0: spatial distribution of the dust emission](#)

López, C., Bronfman, L., **Nyman, L.-Å.**, May, J., Garay, G., 2011, A&A, 534, 131 [[ADS](#)]

[Mineralogical characterization of Baptistina Asteroid Family: Implications for K/T impactor source](#)

Reddy, V., Carvano, J.M., Lazzaro, D., Michtchenko, T.A., Gaffey, M.J., Kelley, M.S., Mothé-Diniz, T., **Alvarez-Candal, A.**, Moskovitz, N.A., Cloutis, E.A., & Ryan, E.L., 2011, Icar, 216, 184 [[ADS](#)]

Instruments: FEROS1.5

Papers without ESO data

Qatar-1b: a hot Jupiter orbiting a metal-rich K dwarf star

Alsubai, K.A., Parley, N.R., **Bramich, D.M.**, West, R.G., Sorensen, P.M., Collier Cameron, A., Latham, D.W., Horne, K., Anderson, D.R., Bakos, G.Á., Brown, D.J.A., Buchhave, L.A., Esquerdo, G.A., Everett, M.E., Fűrész, G., Hartman, J.D., Hellier, C., Miller, G.M., Pollacco, D., Quinn, S.N., Smith, J.C., Stefanik, R.P., & Szentgyorgyi, A., 2011, MNRAS, 417, 709 [\[ADS\]](#)

Spectra of globular clusters in the Sombrero galaxy: evidence for spectroscopic metallicity bimodality

Alves-Brito, A., **Hau, G.K.T.**, Forbes, D.A., Spitler, L.R., Strader, J., Brodie, J.P., & Rhode, K.L., 2011, MNRAS, 417, 1823 [\[ADS\]](#)

Resolution of the Compact Radio Continuum Sources in Arp220

Batejat, F., Conway, J.E., Hurley, R., **Parra, R.**, Diamond, P.J., Lonsdale, C.J., & Lonsdale, C.J., 2011, ApJ, 740, 95 [\[ADS\]](#)

A UBVI and uvbyCaH β Analysis of the Intermediate-age Open Cluster, NGC 5822

Carraro, G., Anthony-Twarog, B.J., Costa, E., Jones, B.J., & Twarog, B.A., 2011, AJ, 142, 127 [\[ADS\]](#)

Thick Disks of Edge-on Galaxies Seen through the Spitzer Survey of Stellar Structure in Galaxies (S4G): Lair of Missing Baryons?

Comerón, S., Elmegreen, B.G., Knapen, J.H., Salo, H., Laurikainen, E., Laine, J., Athanassoula, E., Bosma, A., Sheth, K., Regan, M.W., Hinz, J.L., Gil de Paz, A., Menéndez-Delmestre, K., Mizusawa, T., Muñoz-Mateos, J.-C., Seibert, M., Kim, T., Elmegreen, D.M., **Gadotti, D.A.**, Ho, L.C., Holwerda, B.W., Lappalainen, J., Schinnerer, E., Skibba, R., 2011, ApJ, 741, 28 [\[ADS\]](#)

A New Collisional Ring Galaxy at $z = 0.111$: Auriga's Wheel

Conn, B.C., Pasquali, A., **Pompei, E.**, Lane, R.R., Chené, A.-N., Smith, R., Lewis, G.F., 2011, ApJ, 741, 80 [\[ADS\]](#)

The ATLAS3D project - X. On the origin of the molecular and ionized gas in early-type galaxies

Davis, T.A., Alatalo, K., Sarzi, M., Bureau, M., Young, L.M., Blitz, L., Serra, P., Crocker, A.F., **Krajnović, D.**, McDermid, R.M., Bois, M., Bournaud, F., Cappellari, M., Davies, R.L., Duc, P.-A., **de Zeeuw, P.T.**, **Emsellem, E.**, Khochfar, S., **Kuntschner, H.**, Lablanche, P.-Y., Morganti, R., Naab, T., Oosterloo, T., Scott, N., Weijmans, A.-M., 2011, MNRAS, 417, 882 [\[ADS\]](#)

Photometric Determination of the Mass Accretion Rates of Pre-main-sequence Stars. II. NGC 346 in the Small Magellanic Cloud

De Marchi, G., Panagia, N., **Romaniello, M.**, Sabbi, E., Sirianni, M., Prada Moroni, P.G., & Degl'Innocenti, S., 2011, ApJ, 740, 11 [\[ADS\]](#)

Hot exozodiacal dust resolved around Vega with IOTA/IONIC

Defrère, D., Absil, O., Augereau, J.-C., di Folco, E., **Berger, J.-P.**, Coudé Du Foresto, V., Kervella, P., Le Bouquin, J.-B., Lebreton, J., Millan-Gabet, R., Monnier, J.D., Olofsson, J., Traub, W., 2011, A&A, 534, 5 [\[ADS\]](#)

The evolution of quiescent galaxies at high redshifts ($z \geq 1.4$)

Domínguez Sánchez, H., Pozzi, F., Gruppioni, C., Cimatti, A., Ilbert, O., Pozzetti, L., McCracken, H., Capak, P., Le Floch, E., Salvato, M., Zamorani, G., Carollo, C.M., Contini, T., Kneib, J.-P., Le Fèvre, O., Lilly, S.J., **Mainieri, V.**, Renzini, A., Scodreggio, M., Bardelli, S., Bolzonella, M., Bongiorno, A., Caputi, K., Coppa, G., Cucciati, O., de la Torre, S., de Ravel, L., Franzetti, P., Garilli, B., Iovino, A., Kampczyk, P., Knobel, C., Kovač, K., Lamareille, F., Le Borgne, J.-F., Le Brun, V., Maier, C., Mignoli, M., Pelló, R., Peng, Y., Perez-Montero, E., Ricciardelli, E., Silverman, J.D., **Tanaka, M.**, Tasca, L.A.M., Tresse, L., Vergani, D., Zucca, E., 2011, MNRAS, 417, 900 [\[ADS\]](#)

The close classical T Tauri binary V4046 Sgr: complex magnetic fields and distributed mass accretion

Donati, J.-F., Gregory, S.G., Montmerle, T., Maggio, A., Argiroffi, C., Sacco, G., **Hussain, G.**, Kastner, J., Alencar, S.H.P., Audard, M., Bouvier, J., Damiani, F., Güdel, M., & Huenemoerder, D., Wade, G.A., 2011, MNRAS, 417, 1747 [\[ADS\]](#)

The large-scale magnetic field and poleward mass accretion of the classical T Tauri star TW Hya

Donati, J.-F., Gregory, S.G., Alencar, S.H.P., Bouvier, J., **Hussain, G.**, Skelly, M., Dougados, C., Jardine, M.M., Ménard, F., & Romanova, M.M., Unruh, Y.C., 2011, MNRAS, 417, 472 [\[ADS\]](#)

The ATLAS3D project - IX. The merger origin of a fast- and a slow-rotating early-type galaxy revealed with deep optical imaging: first results

Duc, P.-A., Cuillandre, J.-C., Serra, P., Michel-Dansac, L., Ferriere, E., Alatalo, K., Blitz, L., **Bois, M.**, Bournaud, F., Bureau, M., Cappellari, M., Davies, R.L., Davis, T.A., **de Zeeuw, P.T.**, **Emsellem, E.**, Khochfar, S., **Krajnović, D.**, **Kuntschner, H.**, Lablanche, P.-Y., McDermid, R.M., Morganti, R., Naab, T., Oosterloo, T., Sarzi, M., Scott, N., Weijmans, A.-M., Young, L.M., 2011, MNRAS, 417, 863 [[ADS](#)]

The SAURON project - XIX. Optical and near-infrared scaling relations of nearby elliptical, lenticular and Sa galaxies

Falcón-Barroso, J., van de Ven, G., Peletier, R.F., Bureau, M., Jeong, H., Bacon, R., Cappellari, M., Davies, R.L., **de Zeeuw, P.T.**, **Emsellem, E.**, **Krajnović, D.**, **Kuntschner, H.**, McDermid, R.M., Sarzi, M., Shapiro, K.L., van den Bosch, R.C.E., van der Wolk, G., Weijmans, A., & Yi, S., 2011, MNRAS, 417, 1787 [[ADS](#)]

Supernova Cosmology: Legacy and Future

Goobar, A., & **Leibundgut, B.**, 2011, ARNPS, 61, 251 [[ADS](#)]

Detection of the Water Reservoir in a Forming Planetary System

Hogerheijde, M.R., Bergin, E.A., Brinch, C., Cleeves, L.I., Fogel, J.K.J., Blake, G.A., Dominik, C., Lis, D.C., Melnick, G., Neufeld, D., **Panić, O.**, Pearson, J.C., Kristensen, L., Yildiz, U.A., & van Dishoeck, E.F., 2011, Sci, 334, 338 [[ADS](#)]

GSC 07396-00759 = V4046 Sgr C[D]: A Wide-separation Companion to the Close T Tauri Binary System V4046 Sgr AB

Kastner, J.H., Sacco, G.G., Montez, R., Huenemoerder, D.P., Shi, H., Alecian, E., Argiroffi, C., Audard, M., Bouvier, J., Damiani, F., Donati, J.-F., Gregory, S.G., Güdel, M., **Hussain, G.A.J.**, Maggio, A., Montmerle, T., 2011, ApJ, 740, L17 [[ADS](#)]

The ATLAS3D project - VIII. Modelling the formation and evolution of fast and slow rotator early-type galaxies within Λ CDM

Khochfar, S., **Emsellem, E.**, Serra, P., **Bois, M.**, Alatalo, K., Bacon, R., Blitz, L., Bournaud, F., Bureau, M., Cappellari, M., Davies, R.L., Davis, T.A., **de Zeeuw, P.T.**, Duc, P.-A., **Krajnović, D.**, **Kuntschner, H.**, Lablanche, P.-Y., McDermid, R.M., Morganti, R., Naab, T., Oosterloo, T., Sarzi, M., Scott, N., Weijmans, A.-M., Young, L.M., 2011, MNRAS, 417, 845 [[ADS](#)]

Mass segregation and fractal substructure in young massive clusters - I. The McLuster code and method calibration

Küpper, A.H.W., Maschberger, T., Kroupa, P., & Baumgardt, H., 2011, MNRAS, 417, 2300 [[ADS](#)]

Complex Scattered Radiation Fields and Multiple Magnetic Fields in the Protostellar Cluster in NGC 2264

Kwon, J., Tamura, M., Kandori, R., Kusakabe, N., Hashimoto, J., Nakajima, Y., Nakamura, F., Nagayama, T., Nagata, T., Hough, J.H., Werner, M.W., & **Teixeira, P.S.**, 2011, ApJ, 741, 35 [[ADS](#)]

Dense gas in nearby galaxies. XVII. The distribution of ammonia in NGC 253, Maffei 2, and IC 342

Lebrón, M., Mangum, J.G., **Mauersberger, R.**, Henkel, C., Peck, A.B., Menten, K.M., Tarchi, A., & Weiß, A., 2011, A&A, 534, 56 [[ADS](#)]

Overlapping abundance gradients and azimuthal gradients related to the spiral structure of the Galaxy

Lépine, J.R.D., Cruz, P., Scarano, S.J., Barros, D.A., Dias, W.S., Pompéia, L., Andrievsky, S.M., **Carraro, G.**, & Famaey, B., 2011, MNRAS, 417, 698 [[ADS](#)]

The AMIGA sample of isolated galaxies. IX. Molecular gas properties

Lisenfeld, U., Espada, D., Verdes-Montenegro, L., Kuno, N., **Leon, S.**, Sabater, J., Sato, N., Sulentic, J., Verley, S., & Yun, M.S., 2011, A&A, 534, 102 [[ADS](#)]

The bolometric output and host-galaxy properties of obscured AGN in the XMM-COSMOS survey

Lusso, E., Comastri, A., Vignali, C., Zamorani, G., Treister, E., Sanders, D., Bolzonella, M., Bongiorno, A., Brusa, M., Civano, F., Gilli, R., **Mainieri, V.**, Nair, P., Aller, M.C., Carollo, M., Koekemoer, A.M., Merloni, A., & Trump, J.R., 2011, A&A, 534, 110 [[ADS](#)]

The Herschel Virgo Cluster Survey. IX. Dust-to-gas mass ratio and metallicity gradients in four Virgo spiral galaxies

Magrini, L., Bianchi, S., Corbelli, E., **Cortese, L.**, Hunt, L., Smith, M., Vlahakis, C., Davies, J., Bendo, G.J., Baes, M., Boselli, A., Clemens, M., Casasola, V., de Looze, I., Fritz, J., Giovanardi, C., Grossi, M., Hughes, T., Madden, S., Pappalardo, C., Pohlen, M., di Serego Alighieri, S., & Versteppen, J., 2011, A&A, 535, 13 [\[ADS\]](#)

First Visual Orbit for the Prototypical Colliding-wind Binary WR 140

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