

Refereed Publications

- [123] *Accurate Oxygen Abundance of Interstellar Gas in Mrk 71 from Optical and Infrared Spectra*. Chen, Y., Jones, T., Sanders, R., **Fadda, D.**, Sutter, J., Minchin, R., Huntziger, E., Senchina, P., Stark, D., Spilker, J., Weiner, B., & Roberts-Borsani, G., 2023, *Nature Astronomy*, in press
- [122] *The PDR fronts in M17-SW localized with FIFI-LS onboard SOFIA*. Klein, R., Reedy, A., Fischer, C., Looney, L., Colditz, S., **Fadda, D.**, Tielens, A., & Vacca, W., 2023, *Astrophysical Journal*, in press (arXiv:2302.01340)
- [121] *A Molecular Gas Ring Hidden in the Sombrero Galaxy*. Sutter, J. & **Fadda, D.**, 2022, *Astrophysical Journal*, Vol **941**, 47
- [120] *Environmental effects in Herschel observations of the ionized carbon content of star forming dwarf galaxies in the Virgo cluster*. Minchin, R., **Fadda, D.**, Taylor, R., Deshev, B. & Davies, J., 2022, *Astronomical Journal*, Vol **164**, 44
- [119] *Low gas-phase metallicities of ultraluminous infrared galaxies are a result of dust obscuration*. Chartab, N., Cooray, A., Ma, J., Nayyeri, H., Zilliot, P., Lopez, J., **Fadda, D.** et al., 2022, *Nature Astronomy*, Vol **6**, 844
- [118] *[C II] Map of the Molecular Ring and Arms of the Spiral Galaxy NGC 7331*. Sutter, J. & **Fadda, D.**, 2022, *Astrophysical Journal*, Vol **926**, 82
- [117] *SOFIA upGREAT/FIFI-LS Emission-line Observations of Betelgeuse during the Great Dimming of 2019/2020*. Harper, G. M., Chambers, E., Vacca, W. D., Wiesemeyer, H., **Fadda, D.** et al., 2021, *Astronomical Journal*, Vol **162**, 246
- [116] *[C II] and CO Emission along the Bar and Counter-arms of NGC 7479*. **Fadda, D.**, Laine, S., Appleton, P. N., 2021, *The Astrophysical Journal*, Vol **909**, Issue 2, id.204
- [115] *Probing the Atmospheric Precipitable Water Vapor with SOFIA, Part I, Measurements of the Water Vapor Overburden with FIFI-LS.*, Fischer, C., Iserlohe, C., Vacca, W., **Fadda, D.**, Colditz, S., Fischer, N., Krabbe, A., 2021, *Publications of the Astronomical Society of the Pacific*, Vol **133**, Issue 1023, id.055001
- [114] *Extraplanar Gas in Edge-on Galaxies Traced by SOFIA Observations of [C II]*. Reach, W. T., **Fadda, D.**, Rand, R. J., Stacey, G. J. 2020, *The Astrophysical Journal*, Vol **902**, Issue 1, id.28
- [113] *The CO-dark molecular gas mass in 30 Doradus*. Chevance, M., Madden, S. C., Fischer, C., Vacca, W. D., Lebouteiller, V., **Fadda, D.**, et al., 2020, *Monthly Notices of the Royal Astronomical Society*, Vol **494**, 5279
- [112] *Inquiring into the nature of the Abell 2667 brightest cluster galaxy: physical properties from MUSE*. Iani, E., Rodighiero, G., ..., **Fadda, D.**, et al., 2019, *Monthly Notices of the Royal Astronomical Society*, Vol **487**, 5539
- [111] *Jet-related Excitation of the [CII] Emission in the Active Galaxy NGC 4258 with SOFIA*, Appleton, P. N., Diaz-Santos, T., **Fadda, D.**, et al. 2018, *Astrophysical Journal*, Vol **869**, 61
- [110] *SOFIA/HAWC+ Detection of a Gravitationally Lensed Starburst Galaxy at $z = 1.03$* , Ma, J., ..., **Fadda, D.**, et al., 2018, *Astrophysical Journal*, Vol **864**, 60
- [109] *Galaxy evolution in the cluster Abell 85: new insights from the dwarf population*, Habas, R., **Fadda, D.**, Marleau, F., et al., 2018, *Monthly Notices of the Royal Astronomical Society*, Vol **475**, 4544
- [108] *The Great Observatories All-Sky LIRG Survey: Herschel Image Atlas and Aperture Photometry*, Chu, J., K., ..., **Fadda, D.**, et al., 2017, *Astrophysical Journal Supplement*, Vol **229**, 25
- [107] *Transient effects in Herschel/PACS spectroscopy*, **Fadda, D.**, Jacobson, J., & Appleton, P. N., 2016, *Astronomy and Astrophysics*, Vol **594**, 90
- [106] *Star formation and black hole accretion activity in rich local clusters of galaxies.*, Bianconi, M., Marleau, F., & **Fadda, D.**, 2016, *Astronomy and Astrophysics*, Vol **588**, 105
- [105] *Non-linearity and environmental dependence of the star-forming galaxies main sequence.*, Erfanianfar, G., ..., **Fadda, D.**, et al., 2016, *Monthly Notices of the Royal Astronomical Society*, Vol **455**, 2893
- [104] *The role of massive halos in the star formation history of the Universe*, Popesso, P., ..., **Fadda, D.**, et al., 2015, *Astronomy and Astrophysics*, Vol **579**, 132
- [103] *The Spitzer Archival Far-Infrared Extragalactic Survey*, Hanish, D. J., ..., **Fadda, D.**, et al., 2015, *Astrophysical Journal Supplement*, Vol **217**, 17
- [102] *The evolution of galaxy star formation activity in massive haloes*, Popesso, P., ..., **Fadda, D.**, et al., 2015, *Astronomy and Astrophysics*, Vol **574**, 105
- [101] *The hunt for red active galactic nuclei: a new infrared diagnostic*, **Fadda, D.** & Rodighiero, G., 2014, *Monthly Notices of the Royal Astronomical Society*, Vol **444**, 95
- [100] *The evolution of star formation activity in galaxy groups*, Erfanianfar, G., ..., **Fadda, D.**, et al., 2014, *Monthly Notices of the Royal Astronomical Society*, Vol **445**, 2725
- [99] *Reversal or no reversal: the evolution of the star formation rate-density relation up to $z \sim 1.6$* , Ziparo, F., ..., **Fadda, D.**, et al., 2014, *Monthly Notices of the Royal Astronomical Society*, Vol **437**, 458
- [98] *The lack of star formation gradients in galaxy groups up to $z \sim 1.6$* , Ziparo, F., ..., **Fadda, D.**, et al., 2013, *Monthly Notices of the Royal Astronomical Society*, Vol **434**, 3089
- [97] *Far-infrared Properties of Type 1 Quasars*, Hanish, D. J., ..., **Fadda, D.**, et al., 2013, *Astrophysical Journal*, Vol **768**, 13
- [96] *Spitzer- and Herschel-based Spectral Energy Distributions of 24 μm Bright $z = 0.3\text{--}3.0$ Starbursts and Obscured Quasars*, Sajina,

- A., Yan, L., *Fadda, Dario*; Dasyra, K., Huynh, M., 2012, *Astrophysical Journal*, Vol **757**, 135
- [95] *Discovery of "Warm Dust" Galaxies in Clusters at $z \sim 0.3$: Evidence for Stripping of Cool Dust in the Dense Environment?*, Rawle, T., ..., *Fadda, D.*, et al., 2012, *Astrophysical Journal*, Vol **756**, 106
- [94] *The AGN content in luminous infrared galaxies at $z \sim 2$ from a global SED analysis including Herschel data*, Pozzi, F., ..., *Fadda, D.*, et al., 2012, *Monthly Notices of the Royal Astronomical Society*, Vol **423**, 1909
- [93] *The evolution of the star formation activity per halo mass up to redshift ~ 1.6 as seen by Herschel*, Popesso, P., ..., *Fadda, D.*, et al., 2012, *Astronomy & Astrophysics*, Vol **537**, 58
- [92] *The impact of evolving infrared spectral energy distributions of galaxies on star formation estimates*, Nordon, R., ..., *Fadda, D.*, et al., 2012, *Astrophysical Journal*, Vol **745**, 182
- [91] *A multi-wavelength analysis of Spitzer selected Coma Cluster galaxies: star formation rates and masses*, Edwards, L. O. V. & *Fadda, D.*, 2011, *Astronomical Journal*, Vol **142**, 148
- [90] *Spitzer observations of Abell 1763. III. The infrared luminosity function in different supercluster environments*, Biviano, A., *Fadda, D.*, Durret, F., Edwards, L. O. V., Marleau, F., 2011, *Astronomy and Astrophysics*, Vol **532**, 77
- [89] *Spectroscopically Selected Spitzer 24 μ m Active Galactic Nuclei*, Choi, P. I., Yan, L., Helou, G., Storrie-Lombardi, L. J., *Fadda, D.*, Im, M., Shim, H., 2011, *Astrophysical Journal*, Vol **732**, 21
- [88] *The First Bent Double Lobe Radio Source in a Known Cluster Filament: Constraints on the Intrafilament Medium*, Edwards, L. O. V., *Fadda, D.*, Frayer, D. T., 2010, *Astronomical Journal*, Vol **742**, 143
- [87] *Spitzer Observations of A1763. II. Constraining the Nature of Activity in the Cluster-feeding Filament with VLA and XMM-Newton Data*, Edwards, L. O. V., *Fadda, D.*, Frayer, D. T., Lima Neto, G. B., Durret, F., 2010, *Astronomical Journal*, Vol **140**, 1891
- [86] *Mid-infrared spectroscopy of Spitzer-selected ultra-luminous starbursts at $z \sim 2$* , Fiolet, N., Omont, A., Lagache, G., Bertincourt, B., *Fadda, D.*, et al., 2010, *Astronomy and Astrophysics*, Vol **524**, 33
- [85] *Infrared Luminosities and Aromatic Features in the 24 μ m Flux-limited Sample of 5MUSES*, Wu, Y., Helou, G., ..., *Fadda, D.*, et al., 2010, *Astrophysical Journal*, Vol **723**, 895
- [84] *Ultra-deep Mid-infrared Spectroscopy of Luminous Infrared Galaxies at $z \approx 1$ and $z \approx 2$* , *Fadda, D.*, Yan, L., Lagache, G., et al., 2010, *Astrophysical Journal*, Vol **719**, 425
- [83] *FIR colours and SEDs of nearby galaxies observed with Herschel*, Boselli, A., ..., *Fadda, D.*, et al., 2010, *Astronomy and Astrophysics*, Vol **518**, 61
- [82] *The Herschel Virgo Cluster Survey. VII. Dust in cluster dwarf elliptical galaxies*, de Looze, I., ..., *Fadda, D.*, et al., 2010, *Astronomy and Astrophysics*, Vol **518**, 54
- [81] *The Herschel Virgo Cluster Survey. VI. The far-infrared view of M 87*, Baes, M., ..., *Fadda, D.*, et al., 2010, *Astronomy and Astrophysics*, Vol **518**, 53
- [80] *The Herschel Virgo Cluster Survey. V. Star-forming dwarf galaxies - dust in metal-poor environments*, Grossi, M., ..., *Fadda, D.*, et al., 2010, *Astronomy and Astrophysics*, Vol **518**, 52
- [79] *The Herschel Virgo Cluster Survey. IV. Resolved dust analysis of spiral galaxies*, Smith, M. W. L., ..., *Fadda, D.*, et al., 2010, *Astronomy and Astrophysics*, Vol **518**, 51
- [78] *The Herschel Virgo Cluster Survey. III. A constraint on dust grain lifetime in early-type galaxies*, Clemens, M. S., ..., *Fadda, D.*, et al., 2010, *Astronomy and Astrophysics*, Vol **518**, 50
- [77] *The Herschel Virgo Cluster Survey. II. Truncated dust disks in H I-deficient spirals*, Cortese, L., ..., *Fadda, D.*, et al., 2010, *Astronomy and Astrophysics*, Vol **518**, 49
- [76] *The Herschel Virgo Cluster Survey. I. Luminosity function*, Davies, J. I., ..., *Fadda, D.*, et al., 2010, *Astronomy and Astrophysics*, Vol **518**, 48
- [75] *First detection of the Sunyaev Zel'dovich effect increment at $\lambda < 650 \mu$ m*, Zemcov, M., ..., *Fadda, D.*, et al., 2010, *Astronomy and Astrophysics*, Vol **518**, 16
- [74] *Improving the identification of high- z Herschel sources with position priors and optical/NIR and FIR/mm photometric redshifts*, Pérez-González, P. G., ..., *Fadda, D.*, et al., 2010, *Astronomy and Astrophysics*, Vol **518**, 15
- [73] *Deep Herschel view of obscured star formation in the Bullet cluster*, Rawle, T. D., Chung, S. M., *Fadda, D.*, et al., 2010, *Astronomy and Astrophysics*, Vol **518**, 14
- [72] *The far-infrared/submillimeter properties of galaxies located behind the Bullet cluster*, Egami, E., ..., *Fadda, D.*, et al., 2010, *Astronomy and Astrophysics*, Vol **518**, 12
- [71] *Spitzer Observations of Abell 1763. I. Infrared and Optical Photometry*, Edwards, L. O. V., *Fadda, D.*, Biviano, A., Marleau, F. R., 2010, *Astronomical Journal*, Vol **139**, 434
- [70] *Spitzer Observations of Abell 1763. I. Infrared and Optical Photometry*, Edwards, L. O. V., *Fadda, D.*, Biviano, A., Marleau, F. R., 2010, *Astronomical Journal*, Vol **139**, 434
- [69] *Spitzer 70 and 160 μ m Observations of the COSMOS Field*, Frayer, D. T., ..., *Fadda, D.*, et al., 2009, *Astronomical Journal*, Vol **138**, 1261
- [68] *Detections of Water Ice, Hydrocarbons, and 3.3 μ m PAH in $z \approx 2$ ULIRGs*, Sajina, A., Spoon, H., Yan, L., Imanishi, M., *Fadda, D.*, Elitzur, M., 2009, *Astrophysical Journal*, Vol **703**, 270
- [67] *The 0.9 mJy Sample: A Mid-Infrared Spectroscopic Catalog of 150 Infrared-Luminous, 24 μ m Selected Galaxies at $0.3 < z < 3.5$* , Dasyra, K. M., Yan, L., Helou, G., Sajina, A., *Fadda, D.*, Zamojski, M., Armus, L., Draine, B., Frayer, D., 2009, *Astrophysical Journal*, Vol **701**, 1123
- [66] *Absolute Calibration and Characterization of the Multiband Imaging Photometer for Spitzer. IV. The Spectral Energy Distribution Mode*, Lu, Nanyao, ..., *Fadda, D.*, et al., 2008, *Publications of the Astronomical Society of the Pacific*, Vol **120**, 328

- [65] *Mid-Infrared Spectroscopy of Lensed Galaxies at $1 < z < 3$: The Nature of Sources Near the MIPS Confusion Limit*, Rigby, J. R., Marcellac, D., Egami, E., Rieke, G. H., Richard, J., Kneib, J.-P., **Fadda, D.**, et al., 2008, *Astrophysical Journal*, 672, 262
- [64] *Starburst Galaxies in Cluster-feeding Filaments Unveiled by Spitzer*, **Fadda, D.**, Biviano, A., Marleau, F. R., Storrie-Lombardi, L. J. & Durret, F., 2008, *Astrophysical Journal*, Vol 672, 9
- [63] *Absolute Calibration and Characterization of the Multiband Imaging Photometer for Spitzer. III. An Asteroid-based Calibration of MIPS at 160 microns*, Stansberry, J. A., Gordon, K. D., Bhattacharya, B., Engelbracht, C. W., Rieke, G. H., Marleau, F. R., **Fadda, D.** et al., 2007, *Publications of the Astronomical Society of the Pacific*, Vol 119, 1038
- [62] *Absolute calibration and characterization of the multiband imaging photometer for Spitzer. II. 70 micron imaging*, Gordon, K. D., Engelbracht, C. W., **Fadda, D.** et al., 2007, *Publications of the Astronomical Society of the Pacific*, Vol 119, 1019
- [61] *Absolute Calibration and Characterization of the Multiband Imaging Photometer for Spitzer. I. The Stellar Calibrator Sample and the 24 μ m Calibration*, Engelbracht, C., Blaylock, M., Su, K. Y. L., Rho, J., Rieke, G. H., ..., **Fadda, D.** et al., 2007, *Publications of the Astronomical Society of the Pacific*, Vol 119, 994
- [60] *Spitzer Mid-Infrared Spectroscopy of Infrared Luminous Galaxies at $z \approx 2$ II: Diagnostics*, Sajina, A., Yan, L., Armus, L., Choi, P., **Fadda, D.**, Helou, G., Spoon, H., 2007, *The Astrophysical Journal*, Vol 664, 713
- [59] *Redshift survey of 1.4 GHz and 24 micron sources in the Spitzer First Look Survey with WIYN/HYDRA*, Marleau, F.R., **Fadda, D.**, Appleton, P. N., Noriega-Crespo, A., Im, M., Clancy, D., 2007, *The Astrophysical Journal*, Vol 663, 218
- [58] *The Role of Galaxy Interactions and Mergers in Star Formation at $z < 1.3$: Mid-Infrared Properties in the Spitzer First Look Survey*, Bridge, C. R., Appleton, P. N., Conselice, C. J., Choi, P. I., Armus, L., **Fadda, D.**, Laine, S., Marleau, F. R., Carlberg, R. G., Helou, G., Yan, L., 2007, *The Astrophysical Journal*, Vol 659, 931
- [57] *Spitzer Mid-Infrared Spectroscopy of Infrared Luminous Galaxies at $z \approx 2$ I: the Spectra*, Yan, L., Sajina, A., **Fadda, D.**, Choi, P., Armus, L., Helou, G., Teplitz, H., Frayer, D., Surace, J., 2007, *The Astrophysical Journal*, 2007, ApJ, Vol 658, 778
- [56] *A highly obscured and strongly clustered galaxy population discovered with the Spitzer Space Telescope*, Magliocchetti, M., Silva, L., Lapi, A., De Zotti, G., Granato, G. L., **Fadda, D.**, Danese, L., 2007, *Monthly Notices of the Royal Astronomical Society*, Vol 375, 1121
- [55] *Optical spectroscopy and X-ray detections of a sample of quasars and AGN selected in the mid-infrared from two Spitzer wide-area surveys.*, Lacy, M., Petric, A., Sajina, A., Canalizo, G., Storrie-Lombardi, L. J., Armus, L., **Fadda, D.**, Marleau, F. R. 2007, *The Astronomical Journal*, Vol 133, 186
- [54] *A large mass of H_2 in the brightest cluster galaxy in Zwicky 3146*, Egami, E., Rieke, G. H., **Fadda, D.**, Hines, D. C., 2006, *The Astrophysical Journal Letters*, Vol 652, 21
- [53] *Counting individual galaxies from deep 24-micron Spitzer surveys*, Rodighiero, G., Lari, C., Pozzi, F., Gruppioni, C., **Fadda, D.**, Franceschini, A., Lonsdale, C., Surace, J., Shupe, D., Fang, F., 2006, *Monthly Notices of the Royal Astronomical Society*, Vol 371, 1891
- [52] *A population of high-redshift type 2 quasars - I. Selection criteria and optical spectra*, Martinez-Sansigre, A., Rawlings, S., Lacy, M., **Fadda, D.**, Jarvis, M. J., Marleau, F. R., Simpson, C., Willott, C. J., 2006, *Monthly Notices of the Royal Astronomical Society*, Vol 370, 1479
- [51] *Spitzer 70 Micron Source Counts in GOODS-North*, Frayer, D. T., Huynh, M. T., Chary, R., Dickinson, M., Elbaz, D., **Fadda, D.**, Surace, J. A., Teplitz, H. I., Yan, L., Mobasher, B., 2006, *The Astrophysical Journal Letters*, Vol 647, 9
- [50] *Deep u- and g-Band Imaging of the Spitzer Space Telescope First Look Survey Field: Observations and Source Catalogs*, Shim, H., Im, M., Pak, S., Choi, P., **Fadda, D.**, Helou, G., Storrie-Lombardi, L., 2006, *The Astrophysical Journal Supplements*, Vol 164, 435
- [49] *Star Formation and Extinction in Redshift $z \approx 2$ Galaxies: Inferences from Spitzer MIPS Observations*, Reddy, N. A., Steidel, C. C., **Fadda, D.**, Yan, L., Pettini, M., Shapley, A. E., Erb, D. K., Adelberger, K. L., 2006, *The Astrophysical Journal*, Vol 644, 792
- [48] *The Spitzer Space Telescope Extragalactic First Look Survey: 24 μ m Data Reduction, Catalog, and Source Identification*, **Fadda, D.** et al., 2006, *The Astronomical Journal*, Vol 131, 2859
- [47] *Most supermassive black hole growth is obscured by dust*, Martinez-Sansigre, A., Rawlings, S., Lacy, M., **Fadda, D.**, Marleau, F. R., Simpson, C., Willott, C. J., Jarvis, M. J., 2006, *Astronomische Nachrichten*, Vol 327, 266
- [46] *Star Formation Rates and Extinction Properties of IR-Luminous Galaxies in the Spitzer First Look Survey*, Choi, P., Yan, L., Helou, G., Soifer, T. B., Storrie-Lombardi, L., Chary, R., Teplitz, H., **Fadda, D.**, et al., 2006, *The Astrophysical Journal*, Vol 637, 227
- [45] *Spitzer 70 and 160-micron Observations of the Extragalactic First Look Survey*, Frayer, D. T., **Fadda, D.**, Yan, L., et al., 2006, *Astronomical Journal*, Vol 131, 250
- [44] *ISO's Contribution to the Study of Clusters of Galaxies*, Metcalfe, L., **Fadda, D.**, & Biviano, A., 2005, *Space Science Reviews*, Vol 119, 425
- [43] *The Infrared Array Camera component of the Spitzer Space Telescope Extragalactic First Look Survey*, Lacy, M., Wilson, G., Masci, F., Storrie-Lombardi, L. J., Appleton, P. N., Armus, L., Chapman, S. C., Choi, P. I., **Fadda, D.**, et al., 2005, *The Astrophysical Journal Supplements*, Vol 161, 41
- [42] *The obscuration by dust of most of the growth of supermassive black holes*, Martinez-Sansigre, A., Rawlings, S., Lacy, M., **Fadda, D.**, et al., 2005, *Nature*, Vol 436, 666
- [41] *ISO's Contribution to the Study of Clusters of Galaxies*, Metcalfe, L., **Fadda, D.** & Biviano, A., 2005, *Space Science Reviews*, Vol 119, 425
- [40] *Spitzer Detection of PAH and Silicate Dust Features in the Mid-Infrared Spectra of $z \approx 2$ Ultraluminous Infrared Galaxies*, L. Yan, R. Chary, L. Armus, H. Teplitz, G. Helou, D. Frayer, D. **Fadda, J.** Surace, P. Choi, 2005, *The Astrophysical Journal*, Vol 628, 604
- [39] *Final analysis of ELAIS 15-micron observations: method, reduction and catalogue*, Vaccari, M., Lari, C., Angeretti, L., **Fadda, D.**, et al., 2005, *Monthly Notices of the Royal Astronomical Society*, Vol 358, 397
- [38] *A far-infrared view of the Lockman hole from ISO 95-micron observations - II. Optical identifications and insights into the na-*

- ture of the far-infrared sources*, Rodighiero, G., **Fadda**, D., Franceschini, A., Lari, C., 2005, Monthly Notices of the Royal Astronomical Society, Vol 357, 449
- [37] *ISOCAM observations in the Lockman Hole . II. The 14.3 μ m deep survey: Data reduction, catalogue and source counts*, Rodighiero, G., Lari, C., **Fadda**, D., Franceschini, A., Elbaz, D., Cesarsky, C., 2004, Astronomy & Astrophysics, Vol 427, 773
- [36] *ISOCAM observations in the Lockman Hole. I. The 14.3 μ m shallow survey: Data reduction, catalogue, and optical identifications*, **Fadda**, D., Lari, C., Rodighiero, G., Franceschini, A., Elbaz, D., Cesarsky, C., Perez-Fournon, I., 2004, Astronomy & Astrophysics, Vol 427, 23
- [35] *Obscured and Unobscured Active Galactic Nuclei in the Spitzer Space Telescope First Look Survey*, Lacy, M., Storrie-Lombardi, L. J., Sajina, A., Appleton, P. N., Armus, L., Chapman, S. C., Choi, P. I., **Fadda**, D., et al., 2004, The Astrophysical Journal Supplements, Vol 154, 166
- [34] *The Far- and Mid-Infrared/Radio Correlations in the Spitzer Extragalactic First Look Survey*, Appleton, P. N., **Fadda**, D., et al., 2004, The Astrophysical Journal Supplements, Vol 154, 147
- [33] *Infrared Properties of Radio-selected Submillimeter Galaxies in the Spitzer First Look Survey Verification Field*, Frayer, D. T., Chapman, S. C., Yan, L., Armus, L., Helou, G., **Fadda**, D., et al., 2004, The Astrophysical Journal Supplements, Vol 154, 137
- [32] *Spitzer 24 Micron Observations of Optical/Near-Infrared-Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at $z \approx 1-2$?*, Yan, L., Choi, P. I., **Fadda**, D., et al., 2004, The Astrophysical Journal Supplements, Vol 154, 75
- [31] *Extragalactic Source Counts at 24 Microns in the Spitzer First Look Survey*, Marleau, F. R., **Fadda**, D., et al., 2004, The Astrophysical Journal Supplements, Vol 154, 66
- [30] *Characterization of Extragalactic 24 Micron Sources in the Spitzer First Look Survey*, Yan, L., Helou, G., **Fadda**, D. et al., 2004, The Astrophysical Journal Supplements, Vol 154, 60
- [29] *The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the Spitzer First Look Survey*, Fang, F., Shupe, D. L., Wilson, G., Lacy, M., **Fadda**, D. et al., 2004, The Astrophysical Journal Supplements, Vol 154, 35
- [28] *The European Large-Area ISO Survey (ELAIS): the final band-merged catalogue*, Rowan-Robinson, M., ..., D. **Fadda** et al., 2004, Monthly Notices of the Royal Astronomical Society, Vol 351, 1290
- [27] *The Spitzer Space Telescope First-Look Survey: KPNO Mosaic-1 R-Band Images and Source Catalogs*, **Fadda**, D., Jannuzi, B. T., Ford, A., Storrie-Lombardi, L. J., 2004, Astronomical Journal, Vol 128, 1
- [26] *Star formation rates of distant luminous infrared galaxies derived from $H\alpha$ and IR luminosities.*, Flores, H., Hammer, F., Elbaz, D., Cesarsky, C. J., Liang, Y. C., **Fadda**, D., Gruel, N., 2004, Astronomy & Astrophysics, Vol 415, 885
- [25] *A far infrared view of the Lockman Hole from ISO 95 μ m observations. - I. A new data reduction method.*, Rodighiero, G., Lari, C., Franceschini, A., Gregnanin, A. & **Fadda**, D., 2003, Monthly Notices of the Royal Astronomical Society, Vol 343, 1155
- [24] *Deep Surveys with ISOCAM*, D. **Fadda**, 2002, Advanced Space Research, Vol 30, 2013
- [23] *Origin of the X-ray background and AGN unification: new perspectives*, Franceschini, A., Braito, V. & **Fadda**, D., 2002, Monthly Notices of the Royal Astronomical Society, Vol 335, L51
- [22] *An unusual iron Lo-BAL quasar detected by ISOCAM*, Duc P.-A., Hall P. B., **Fadda** D., Chaniel P., Elbaz D., Monaco P., et al., 2002, Astronomy and Astrophysics, Vol 389, L47
- [21] *ISO investigates the nature of optically-red hard X-ray sources responsible for the X-ray background.*, Franceschini A., **Fadda** D., Cesarsky C. J., Flores H., Elbaz D., & Granato G. L., 2002, Astrophysical Journal Letters, Vol 568, 470
- [20] *The bulk of the cosmic infrared background resolved by ISOCAM.*, Elbaz D., Cesarsky C. J., Chaniel P., Aussel H., Franceschini A., **Fadda** D., & Chary R. R., 2002, Astronomy & Astrophysics, Vol 384, 848
- [19] *The AGN contribution to mid-IR surveys: X-ray counterparts of the mid-IR sources in the Lockman Hole and HDF.*, **Fadda** D., Flores H., Hasinger G., Altieri B., Cesarsky C. J., Elbaz D., Ferrando Ph., & Franceschini A., 2002, Astronomy & Astrophysics, Vol 383, 838.
- [18] *Hidden star-formation in the cluster of galaxies Abell 1689*, Duc P. A., Poggianti B. M., **Fadda** D., Elbaz D., Flores H., Chaniel P., Franceschini A., Moorwood A. & Cesarsky C. J., 2002, Astronomy & Astrophysics, Vol 382, 60.
- [17] *Deep surveys with ISOCAM*, **Fadda** D., 2002, Advances in Space Research, Vol 30, 9
- [16] *A Long-Wavelength View on Galaxy Evolution from Deep Surveys by the Infrared Space Observatory*, Franceschini A., Aussel H., Cesarsky C. J., Elbaz D. & **Fadda** D., 2001, Astronomy & Astrophysics, Vol 378, 1
- [15] *The first ISO ERO: A dusty quasar at $z = 1.5$* , Pierre, M., Lidman, C., Hunstead, R., ..., **Fadda** D., et al., Astronomy & Astrophysics, Vol 372, L45, 2001
- [14] *Finding galaxy clusters using Voronoi tessellations*, M. Ramella, Boschini W., D. **Fadda**, & M. Nonino, 2001, Astronomy & Astrophysics, Vol 368, 776.
- [13] *Galaxy evolution: the ISOCAM view*, Vigroux, L., Aussel, H., Charmandaris, V., Cesarsky, C., Elbaz, D., **Fadda**, D., Laurent, O., Madden, S., Mirabel, F., Roussel, H., Sauvage, M., 2001, Astrophysics and Space Science Supplement, Vol 277, 565
- [12] *The European Large Area ISO Survey I: Goals, Definition and Observation*, Oliver, S., Rowan-Robinson, M., ..., **Fadda**, D. et al., Monthly Notices of the Royal Astronomical Society, 2000, Vol 316, 749.
- [11] *An excess of mid-IR luminous galaxies in Abell 1689 ?*, **Fadda** D., Elbaz D., Duc P. A., Flores H., Franceschini A., Cesarsky C. J. & Moorwood A., 2000, Astronomy & Astrophysics, Vol 361, 827
- [10] *Source counts from the 15 μ m ISOCAM Deep Surveys*, Elbaz D., Cesarsky C. J., **Fadda** D. et al., 1999, Astronomy & Astrophysics, Vol 351, L37
- [9] *Faint source detection in ISOCAM images with PRETI*, Starck J.L., Aussel H., Elbaz D., **Fadda** D., Cesarsky C., 1999, Astronomy & Astrophysics Supplement, Vol 138, 365.
- [8] *The Near- and MIR Continuum Emissions of Seyfert Nuclei: Constraints on the Models of Obscuring Tori*, D. **Fadda**, G. Giuricin,

G.L. Granato & D. Vecchies, 1998, The Astrophysical Journal, Vol **496**, 117.

[7] *Density estimation with non-parametric methods*, D. **Fadda**, E. Slezak, & A. Bijaoui, 1997, Astronomy & Astrophysics Supplement, Vol. **127**, 335.

[6] *New Optical Insights into the Mass Discrepancy of Galaxy Clusters: The Cases of A1689 and A2218*, M. Girardi, D. **Fadda**, E. Escalera, G. Giuricin, F. Mardirossian, & M. Mezzetti, 1997, The Astrophysical Journal, Vol. **490**, 56.

[5] *Optical substructures in 48 Galaxy Clusters: New Insights from a Multi-Scale Analysis*, M. Girardi, E. Escalera, D. **Fadda**, G. Giuricin, F. Mardirossian, & M. Mezzetti, 1997, The Astrophysical Journal, Vol. **482**, 421.

[4] *Galaxy Clusters: X-ray Temperature vs. Galaxy Velocity Dispersion*, M. Girardi, D. **Fadda**, G. Giuricin, M. Mardirossian, M. Mezzetti, 1996, Astro Lett. and Communications, Vol. **33**, 163.

[3] *Compact Radio Cores and Nuclear Activity in Seyfert Galaxies*, G. Giuricin, D. **Fadda**, & M. Mezzetti, 1996, The Astrophysical Journal, Vol. **468**, 475.

[2] *The Observational Distribution of Internal Velocity Dispersions in Nearby Galaxy Clusters*, D. **Fadda**, M. Girardi, G. Giuricin, F. Mardirossian, & M. Mezzetti, 1996, The Astrophysical Journal, Vol. **473**, 670.

[1] *Velocity Dispersions and X-Ray Temperatures of Galaxy Clusters*, M. Girardi, D. **Fadda**, G. Giuricin, F. Mardirossian, M. Mezzetti, & A. Biviano, The Astrophysical Journal, Vol. **457**, 61, 1996.