

# 1 PUBBLICAZIONI

Vengono qui di seguito elencate le pubblicazioni fatte nel 2003 come PI o Co-I dal personale in servizio presso l'OAP. Le pubblicazioni sono divise in varie categorie (con lavori con referee, comunicazioni a congressi, circolari, etc).

Nel cosro del 2004 sono stati pubblicati 81 articoli su riviste con referee (più 35 attualmente in stampa), 102 (+ 12 su invito) contributi a congressi, 15 circolari e 27 pubblicazioni di carattere tecnologico e rapporti intern e 6 pubblicazioni di altro tipo..

## 2 Lista delle Pubblicazioni

### 2.1 Pubblicazioni su riviste con referee

1. Altavilla, G., Fiorentino, G., Marconi, M., Musella, I., Cappellaro, E., Barbon, R., Benetti, S., Pastorello, A., Riello, M., Turatto, M., Zampieri, L. , *Cepheid calibration of Type Ia supernovae and the Hubble constant* , (2004) MNRAS, 349, 1344
2. Bachev, R., Marziani, P., Sulentic, J. W., Zamanov, R., Calvani, M., Dultzin-Hacyan, D., *Average Ultraviolet Quasar Spectra in the Context of Eigenvector 1: A Baldwin Effect Governed by the Eddington Ratio?*, (2004) ApJ, 617, 171
3. Baccigalupi, C., Perrotta, F., De Zotti, G., Smoot, G. F., Burigana, C., Maino, D., Bedini, L., Salerno, E., *Extracting cosmic microwave background polarization from satellite astrophysical maps*, (2004) MNRAS, 354, 55
4. Barbieri, C., Verani, S., Cremonese, G., Sprague, A., Mendillo, M., Cosentino, R., Hunten, D., *First observations of the Na exosphere of Mercury with the high-resolution spectrograph of the 3.5M Telescopio Nazionale Galileo*, (2004) P&SS, 52, 1169
5. Barbaro, G, Geminalo, A., Mazzei, P., Congiu, E., *Anomalous dust to gas ratios in the Galaxy*, (2004) MNRAS 353, 760
6. Baugh, C. M., Lacey, C. G., Frenk, C. S., Benson, A. J., Cole, S., Granato, G. L., Silva, L., Bressan, A. , *Predictions for the SKA from hierarchical galaxy formation models* , (2004) NewAR, 48, 1239
7. Benetti, S., Meikle, P., Stehle, M., Altavilla, G., Desidera, S., Folatelli, G., Goobar, A., Mattila, S., Mendez, ndez, J., Navasardyan, H., Pastorello, A., Patat, F., Riello, M., Ruiz-Lapuente, P., Tsvetkov, D., Turatto, M., Mazzali, P., Hillebrandt, W. , *Supernova 2002bo: inadequacy of the single parameter description* , (2004) MNRAS, 348, 261
8. Berta, S., Fritz, J., Franceschini, A., Bressan, A., Lonsdale, C. , *Photometric estimates of stellar masses in high-redshift galaxies* , (2004) A&A, 418, 913
9. Boeche, C., Munari, U., Tomasella, L., Barbon, R. , *Kinematics and binaries in young stellar aggregates. II. NGC 6913 (M 29)* , (2004) A&A, 415, 145
10. Boschi, F., Munari, U. , *M 31-RV evolution and its alleged multi-outburst pattern* , (2004) A&A, 418, 869
11. Braitto, V., della Ceca, R., Piconcelli, E., Severgnini, P., Bassani, L., Cappi, M., Franceschini, A., Iwasawa, K., Malaguti, G., Marziani, P., Palumbo, G. G. C., Persic, M., Risaliti, G., Salvati, M. , *The Ultra Luminous Infrared Galaxy Mrk 231: new clues from BeppoSAX and XMM-Newton* , (2004) NuPhS, 132, 153

12. Braito, V., Della Ceca, R., Piconcelli, E., Severgnini, P., Bassani, L., Cappi, M., Franceschini, A., Iwasawa, K., Malaguti, G., Marziani, P., Palumbo, G. G. C., Persic, M., Risaliti, G., Salvati, M. , *The XMM-Newton and BeppoSAX view of the Ultra Luminous Infrared Galaxy MKN 231* , (2004) A&A, 420, 79
13. Burigana, C., De Zotti, G., Feretti, L., *Sunyaev–Zeldovich effects, free–free emission, and imprints on the cosmic microwave background*, (2004) NewAR, 48, 1107
14. Buson, L. M., Bertola, F., Bressan, A., Burstein, D., Cappellari, M. , *Is the giant elliptical galaxy NGC 5018 a post-merger remnant?* , (2004) A&A, 423, 965
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16. Cappellaro, E., Capaccioli, M., Mancini, D., Sedmak, G., Baruffolo, A., Cascone, E., Greggio, L. , *Vst And OmegaCAM for Variability* , (2004) BaltA, 13, 683
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18. Carretta, E., A. Bragaglia, R.G. Gratton, M. Tosi, *Iron abundances from high resolution spectroscopy of the open clusters NGC2506, NGC6134, and IC4651*, (2004) A&A, 422, 951
19. Carraro, G., Munari, U. , *A multicolour CCD photometric study of the open clusters NGC 2866, Pismis 19, Westerlund 2, ESO96-SC04, NGC 5617 and NGC 6204* , (2004) MNRAS, 347, 625
20. Casasola, V., Bettoni, D., Galletta, G., *The gas content of peculiar galaxies: Strongly interacting systems*, (2004) A&A, 422, 941
21. Ciaramella, A., Bongardo, C., Aller, H. D., Aller, M. F., De Zotti, G., L?eenmaki, A., Longo, G., Milano, L., Tagliaferri, R., Ter?anta, H., Tornikoski, M., Urpo, S., *A multifrequency analysis of radio variability of blazars*, (2004) A&A, 419, 485
22. Claudi, R. U., Bonanno, A., Ventura, R., Bonanno, G., Cosentino, R., Desidera, S., Gratton, R., Scuderi, S., Endl, M., *Asteroseismology of Procyon: Preliminary results from SARG*, (2004) CoAst, 145, 53
23. Claudi, R. U., Barbieri, C., Bruno, P., Magrin, S., Mottola, S., *The NEO and Exoplanet Search with the Refurbished Schmidt Telescope at Asiago*, (2004) BaltA, 13, 628
24. Cremonese, G., Capria, M. T., Achilli, V., Angrilli, F., Baggio, P., Barbieri, C., Baumgardner, J., Bistacchi, N., Capaccioni, F., Caporali, A., Casanova, I., de Bei, S., Forlani, G., Fornasier, S., Hunten, D., Ip, W. H., Lazzarin, M., Longhi, I., Marinangeli, L., Marzari, F., Massironi, M., Masson, P., *MEMORIS: a wide angle camera for the BepiColombo mission*, (2004) AdSpR, 33, 2182
25. Cresci, G., Maiolino, R., Marconi, A., Mannucci, F., Granato, G. L., *Nuclear star formation in the quasar PG1126-041 from adaptive optics assisted spectroscopy*, (2004) A&A, 423, L13
26. De Lucia, G., Poggianti, B. M., Aragon-Salamanca, A., Clowe, D., Halliday, C., Jablonka, P., Milvang-Jensen, B., Pello, R., Poirier, S., Rudnick, G., Saglia, R., Simard, L., White, S. D. M. , *The Buildup of the Red Sequence in Galaxy Clusters since  $z \approx 0.8$*  , (2004) ApJ, 610, L77

27. Desidera, S., Giro, E., Munari, U., Efimov, Y. S., Henden, A., Benetti, S., Tomov, T., Bianchini, A., Pernechele, C. , *Polarimetric evolution of V838 Monocerotis* , (2004) A&A, 414, 591
28. Desidera, S., Gratton, R. G., Endl, M., Claudi, R. U., Cosentino, R. , *No planet around HD 219542 B* , (2004) A&A, 420, L27
29. Desidera, S., Gratton, R. G., Scuderi, S., Claudi, R. U., Cosentino, R., Barbieri, M., Bonanno, G., Carretta, E., Endl, M., Lucatello, S., Martinez Fiorenzano, A. F., Marzari, F. , *Abundance difference between components of wide binaries* , (2004) A&A, 420, 683
30. D'Odorico, V., Cristiani, S., Romano, D., Granato, G. L., Danese, L., *Chemical abundances in QSO host galaxies and environments from narrow absorption line systems*, (2004) MNRAS, 351, 976
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35. Giovannini, G., Falomo, R., Scarpa, R., Treves, A., Urry, C. M. , *The Nature of Close Companions of the BL Lacertae Objects 1ES 0502+675 and 1ES 1440+122* , (2004) ApJ, 613, 747
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37. Granato, G. L., De Zotti, G., Silva, L., Bressan, A., Danese, L. , *A Physical Model for the Coevolution of QSOs and Their Spheroidal Hosts* , (2004) ApJ, 600, 580
38. Gratton, R.G., A. Bragaglia, G. Clementini, E. Carretta, L. Di Fabrizio, M. Maio, E. Taribello, *Metal abundances of RR Lyrae stars in the bar of the Large Magellanic Cloud*, (2004) A&A, 421, 937
39. Gratton, R., C. Sneden, E. Carretta, *Abundance Variations Within Globular Clusters*, (2004) ARA&A, 42, 385
40. Halliday, C., Milvang-Jensen, B., Poirier, S., Poggianti, B. M., Jablonka, P., Aragon-Salamanca, A., Saglia, R. P., De Lucia, G., Pello, R., Simard, L., Clowe, D. I., Rudnick, G., Dalcanton, J. J., White, S. D. M., Zaritsky, D. , *Spectroscopy of clusters in the ESO Distant Cluster Survey (EDisCS). Redshifts, velocity dispersions and substructure for 5 clusters* , (2004) A&A, 427, 397
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44. Katz, D., Munari, U., Cropper, M., Zwitter, T., Thevenin, F., David, M., Viala, Y., Crifo, F., Gomboc, A., Royer, F., Arenou, F., Marrese, P., Sordo, R., Wilkinson, M., Vallenari, A., Turon, C., Helmi, A., Bono, G., Perryman, M., Gomez, A., Tomasella, L., Boschi, F., Morin, D., Haywood, M., Soubiran, C., *Spectroscopic survey of the Galaxy with Gaia- I. Design and performance of the Radial Velocity Spectrometer* , (2004) MNRAS, 354, 1223
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51. Moles, M., Bettoni, D., Fasano, G., Kjaergaard, P., Varela, J., Milvang-Jensen, B., *The peculiar galaxy IC 1182: An ongoing merger?*, (2004) A&A, 418, 495
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54. Nogami, D., Iijima, T., *Dramatic Spectral Evolution of WZ Sge during the 2001 Superoutburst*, (2004) PASJ, 56, S163
55. Paladini, R., Davies, R. D., DeZotti, G., *Spatial distribution of Galactic HII regions*, (2004) MNRAS, 347, 237
56. Paladini, R., Davies, R., DeZotti, G., *The thin layer of Warm Ionized Gas: towards a 3-D reconstruction of the spatial distribution of HII regions*, (2004) Ap&SS, 289, 363

57. Pastorello, A., Zampieri, L., Turatto, M., Cappellaro, E., Meikle, W. P. S., Benetti, S., Branch, D., Baron, E., Patat, F., Armstrong, M., Altavilla, G., Salvo, M., Riello, M. , *Low-luminosity Type II supernovae: spectroscopic and photometric evolution* , (2004) MNRAS, 347, 74
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60. Pignata, G., Patat, F., Benetti, S., Blinnikov, S., Hillebrandt, W., Kotak, R., Leibundgut, B., Mazzali, P. A., Meikle, P., Qiu, Y., Ruiz-Lapuente, P., Smartt, S. J., Sorokina, E., Stritzinger, M., Stehle, M., Turatto, M., Marsh, T., Martin-Luis, F., McBride, N., Mendez, J., Morales-Rueda, L., Narbutis, *Photometric observations of the Type Ia SN 2002er in UGC 10743* , (2004) MNRAS, 355, 178
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62. Poggianti, B. M., Bridges, T. J., Komiyama, Y., Yagi, M., Carter, D., Mobasher, B., Okamura, S., Kashikawa, N. , *A Comparison of the Galaxy Populations in the Coma and Distant Clusters: The Evolution of  $k+a$  Galaxies and the Role of the Intracluster Medium* , (2004) ApJ, 601, 197
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64. Rejkuba, M., Greggio, L., Zoccali, M. , *Simulating the recent star formation history in the halo of NGC 5128* , (2004) A&A, 415, 915
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66. Ricci, R., Prandoni, I., Gruppioni, C., Sault, R. J., De Zotti, G., *High-frequency polarization properties of southern Kühr sources*, (2004) A&A, 415, 549
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68. Sabbadin, F., Turatto, M., Cappellaro, E., Benetti, S., Ragazzoni, R. , *The 3-D ionization structure and evolution of NGC 7009 (Saturn Nebula)* , (2004) A&A, 416, 955
69. Sabbadin, F., Benetti, S., Cappellaro, E., Ragazzoni, R., Turatto, M., *The 3-D shaping of NGC 6741: a massive, fast-evolving Planetary Nebula at the recombination-reionization edge*, (2005) A&A, in stampa
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76. Turolla, R., Mucciarelli, P., Zampieri, L., Falomo, A., Chierigato, M., Treves, A., *The Ultraluminous X-ray Sources NCG1313 X-1 and X-2*, (2005) AdSpR, in stampa
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## 2.2 Pubblicazioni su riviste con referee (in stampa)

1. Angeretti, L., Tosi, M., Greggio, L., Sabbi, E., Aloisi, A., Leitherer C., *The Complex Star Formation History of NGC 1569*, (2005) ApJ, in stampa
2. Baldacci L., Rizzi L., Clementini G., Held, E. V. , *Variable stars in the dwarf irregular galaxy NGC 6822: the photometric catalogue*, (2005) A&A, in stampa
3. Baugh, C. M., Lacey, C. G., Frenk, C. S., Granato, G. L., Silva, L., Bressan, A., Benson, A. J., Cole, S. , *Can the faint submillimetre galaxies be explained in the ? cold dark matter model?* , (2005) MNRAS, 356, 1191

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9. Claudi, R.U., A. Bonanno, S. Leccia, R. Ventura, S. Desidera, R. Gratton, R. Cosentino, L. Paternò, M. Endl, *Asteroseismology of Procyon A with SARG at TNG*, (2005) A&A, 429, L17
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11. Cremonese, G., Bruno, M., Mangano, V., Marchi, S., Milillo, A., *Neutral sodium atoms release from the surface of Mercury induced by meteoroid impacts*, (2005) Icar, in stampa
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14. Falomo R., Kotilainen, J.K. Scarpa R. & Treves, A. , *VLT adaptive optics imaging of QSO host galaxies and their close environment at  $z \sim 2.5$ : results from a pilot program.*, (2005) A&A, in stampa
15. Finn, R.A., Zaritsky, D., McCarthy, D.W., Poggianti, B.M., Rudnick, G., Halliday, C., Milvang-Jensen, B., Pello, R., Simard, L. , *H $\alpha$ -derived star formation rates for three  $z \sim 0.8$  EDisCS galaxy clusters*, (2005) ApJ, in stampa
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## 2.10 Lista delle abbreviazioni bibliografiche usate (Fonte NASA Astrophysics Data System)

### *Refereed Publications*

ARA&A.... Annual Review of Astronomy and Astrophysics  
 AN..... Astronomische Nachrichten  
 A&A..... Astronomy and Astrophysics  
 AJ..... Astronomical Journal  
 AdSpR.... Advances in Space Research  
 ApJ..... Astrophysical Journal  
 ApJS..... Astrophysical Journal Supplement Series  
 ApOpt.... Applied Optics  
 Ap&SS.... Astrophysics and Space Science  
 AstL..... Astronomy Letters  
 BaltA.... Baltic Astronomy  
 CoAst.... Communications in Asteroseismology  
 ExA..... Experimental Astronomy  
 Icar..... Icarus  
 IBVS..... Informational Bulletin on Variable Stars  
 IJMPC.... International Journal of Modern Physics C  
 JAD..... Journal of Astronomical Data  
 JAHH..... Journal of Astronomical History and Heritage  
 MNRAS.... Monthly Notices of the Royal Astronomical Society  
 MmSAI... Memorie della Societa Astronomica Italiana  
 Natur.... Nature  
 NewA.... New Astronomy  
 NewAR.... New Astronomy Review  
 NuPhS.... Nuclear Physics B Proceedings Supplements  
 OptEn.... Optical Engineering  
 OptCo.... Optics Communications  
 P&SS.... Planetary and Space Science  
 PASJ.... Publications of the Astronomical Society of Japan  
 PASP.... Publications of the Astronomical Society of the Pacific  
 PhRvD... Physical Review D  
 SSRv..... Space Science Reviews

### *Non-refereed Publications*

AAS..... American Astronomical Society Meeting Abstracts  
 AGUFM..... AGU Fall Meeting Abstracts  
 AIPC..... AIP Conf. Proc.  
 ASPC..... Astronomical Society of the Pacific Conference Series

ANS..... Astronomische Nachrichten Supplement  
cgpc.symp..... Clusters of Galaxies: Probes of Cosmological Structure and Galaxy Evolution  
IAUC..... International Astronomical Union Circular  
IAUS..... IAU Symposium  
MmSAI..... Memorie della Societa Astronomica Italiana  
MSAIS..... Memorie della Societa Astronomica Italiana Supplement  
RMxAC..... Revista Mexicana de Astronomia y Astrofisica Conference Series  
soho..... ESA SP-559: SOHO 14 Helio- and Asteroseismology: Towards a Golden Future  
sdab.conf..... Scientific Detectors for Astronomy, The Beginning of a New Era  
SPIE..... Presented at the Society of Photo-Optical Instrumentation Engineers (SPIE) Conference  
sshp.conf..... ESA SP-538: Stellar Structure and Habitable Planet Finding  
yCat..... VizieR Online Data Catalog