

## 11 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 corso del 2003 sono stati pubblicati 78 articoli su riviste con referee (più 14 attualmente in stampa), 129 (+ 28 su invito) contributi a congressi, 17 circolari e 12 pubblicazioni di carattere tecnologico.

### 11.1 Pubblicazioni su riviste con referee

1. Annibali, F., Greggio, L., Tosi, M., Aloisi, A., Leitherer, C., *The star formation history of NGC 1705: a post-starburst on the verge of activity*, (2003) *Astronomical Journal*, 126, 2752
2. Baron, E., Nugent, P.E., Branch, D., Hauschildt, P.H., Turatto, M., Cappellaro, E., *Determination of Primordial Metallicity and Mixing in the Type IIP Supernova 1993W*, (2003) *ApJ*, 586, 1199
3. Barbieri, C., Fornasier, S., Verani, S., Bertini, I., Lazzarin, M., Rampazzi, F., Cremonese, G., Ragazzoni, R., Marzari, F., Angrilli, F., Bianchini, G. A., Debei, S., Dececco, M., Guizzo, G., Parzianello, G., Ramous, P., Saggin, B., Zaccariotto, M., Da Deppo, V., Naletto, G., Nicolosi, G., Pelizzo, M., *The Wide Angle Camera of the ROSETTA Mission*, (2003) *Memorie della Societa Astronomica Italiana*, 74, 434
4. Benetti, S., Cappellaro, E., Ragazzoni, R., Sabbadin, F., Turatto, M., 2003, *The planetary nebula NGC 6818: a Planetary Nebula threatened by recombination*, (2003) *A&A*, 400, 161
5. Bertelli, G., Nasi, E., Girardi, L., Chiosi, C., Zoccali, M., Gallart, C., *Testing Intermediate-Age Stellar Evolution Models with VLT Photometry of Large Magellanic Cloud Clusters. III. Padova Results*, (2003) *Astronomical Journal*, 125, 770
6. Berta, S., Fritz, J., Franceschini, A., Bressan, A., Pernechele, C., *Spatially-resolved spectrophotometric analysis and modelling of the Superantennae*, (2003) *Astronomy and Astrophysics*, 403, 119
7. Bettoni, D., Falomo, R., Fasano, G., Govoni, F., *The properties of low redshift radiogalaxies: the fundamental plane and central black hole mass*, (2003) *New Astronomy Review*, 47, 179
8. Bettoni, D., Galletta, G., Garcia-Burillo, S., *A new catalogue of ISM content of normal galaxies*, (2003) *Astronomy and Astrophysics*, 405, 5
9. Bettoni, D., Falomo, R., Fasano, G., Govoni, F., *The black hole mass of low redshift radiogalaxies*, (2003) *Astronomy and Astrophysics*, 399, 869
10. Boeche, C., Barbon, R., Henden, A., Munari, U., Agnolin, P., *NGC 6738: Not a real open cluster*, (2003) *Astronomy and Astrophysics*, 406, 893
11. Bond, H. E., Henden, A., Levay, Z. G., Panagia, N., Sparks, W. B., Starrfield, S., Wagner, R. M., Corradi, R. L. M., Munari, U., *An energetic stellar outburst accompanied by circumstellar light echoes*, (2003) *Nature*, 422, 405
12. Cacciari, C., Bragaglia, A., Rossetti, E., Fusi Pecci, F., Mulas, G., Carretta, E., Gratton, R.G., Momany, Y., Pasquini, L., *Mass motions in the atmospheres of RGB stars in the globular cluster NGC2808*, (2004) *A&A*, 413, 343
13. Cadez, A., Brajnik, M., Gomboc, A., Calvani, M., Fanton, C., *On X-ray emission lines from active galactic nuclei and disk models*, (2003) *A&A*, 403, 29
14. Carretta, E., Bragaglia, A., Cacciari, C., Rossetti, E., *Proton capture elements in the globular cluster NGC 2808. I. First detection of large variations in sodium abundances along the Red Giant Branch*, (2003) *A&A*, 410, 143
15. Carangelo, N., Falomo, R., Kotilainen, J., Treves, A., Ulrich, M.-H., *optical spectroscopy of BL Lac objects: New redshifts and mis-identified sources*, (2003) *Astronomy and Astrophysics*, 412, 651

16. Cimatti, A., Daddi, E., Cassata, P., Pignatelli, E., Fasano, G., Vernet, J., Fomalont, E., Kellermann, K., Zamorani, G., Mignoli, M., Pozzetti, L., Renzini, A., di Serego Alighieri, S., Franceschini, A., Giallongo, E., Fontana, A., *The manifold spectra and morphologies of EROs*, (2003) *Astronomy and Astrophysics*, 412, L1
17. Clementini, G., Bragaglia, A., Di Fabrizio, L., Carretta, E., Gratton, R.G., *Distance to the Large Magellanic Cloud: The RR Lyrae Stars*, (2003) *AJ*, 125, 1309
18. Clementini, G., Held, E. V., Baldacci, L., Rizzi, L., *RR Lyrae and Short-Period Variable Stars in the Dwarf Irregular Galaxy NGC 6822*, (2003) *Astrophysical Journal*, 588, L85
19. Covino, S., D. Malesani, F. Tavecchio, L.A. Antonelli, A. Arkharov, A. Di Paola, D. Fugazza, G. Ghisellini, V. Larionov, D. Lazzati, F. Mannucci, N. Masetti, R. Barrena, Benetti, S., A.J. Castro-Tirado, S. Di Serego Alighieri, F. Fiore, F. Frontera, A. Fruchter, F. Ghinassi, M. Gladders, P. B. Hall, G.L, *Optical and NIR Observations of the Afterglow of GRB 020813*, (2003) *A&A*, 404, L5
20. Danese, L., Granato, G. L., Silva, L., Magliocchetti, M., de Zotti, G., *Spheroidal Galaxies/QSOs Connection*, (2003) *The Mass of Galaxies at Low and High Redshift*, 99
21. Della Valle, M., Malesani, D., Benetti, S., Testa, V., Hamuy, M., Antonelli, L.A., Chincarini, G., Cocozza, G., Covino, S., D'Avanzo, P., Fugazza, D., Ghisellini, G., Gilmozzi, R., Lazzati, D., Mason, E., Mazzali, P., Stella L., *Discovery of Supernova Signature in the Spectrum of the late-Time Rebrightening of the Optical Afterglow of GRB 021211*, (2003) *A&A*, 406, L33
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23. Desidera, S., Gratton, R., Endl, M., Barbieri, M., Claudi, R., Cosentino, R., Lucatello, S., Marzari, F., Scuderi, S., *Search for planets in the metal enriched binary HD219542*, (2003) *A&A*, 405, 207
24. Domingue D., Sulentic J.W., Xu C., Mazzarella J., Gao Y., Rampazzo R., *Multiwavelength Insights into Mixed Morphology Binary Galaxies. I. ISOCAM, ISOPHOT and Halpha imaging*, (2003) *AJ*, 125, 555
25. Falomo, R., Carangelo, N. and Treves, A., *Luminosities of radio loud active galaxies: Black hole masses and host galaxy luminosity functions*, (2003) *MNRAS*, 343 505.
26. Falomo, R., Carangelo, N. Kotilainen, J.K and Treves, A., *Black Hole Mass and the Fundamental Plane of BL Lac objects*, (2003) *ApJ* 595, 624
27. Ferraro, F.R., Sabbi, E., Gratton, R., Possenti, A., D'Amico, N., Bragaglia, A., Camilo, F., *Accurate Mass Ratio and Heating Effect in the Dual-line Millisecond Binary Pulsar in NGC 6397*, (2003) *ApJL*, 584, L13
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29. Gallart, C., Zoccali, M., Bertelli, G., Chiosi, C., Demarque, P., Girardi, L., Nasi, E., Woo, J., Yi, S., *Testing Intermediate-Age Stellar Evolution Models with VLT Photometry of Large Magellanic Cloud Clusters. I. The Data*, (2003) *Astronomical Journal*, 125, 742
30. Galliano, E., Alloin, D., Granato, G. L., Villar-Martín, M., *Revisiting the location and environment of the central engine in NGC 1068*, (2003) *Astronomy and Astrophysics*, 412, 615
31. 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) *Astrophysical Journal*, 600, 580
32. Gratton, R.G., Carretta, E., Claudi, R., Lucatello, S., Barbieri, M., *Abundances for metal-poor stars with accurate parallaxes. I. Basic data*, (2003) *A&A*, 404, 187
33. Gratton, R.G., Carretta, E., Desidera, S., Lucatello, S., Mazzei, P., Barbieri, M., *Abundances for metal-poor stars with accurate parallaxes. II. alpha-elements in the dissipative and accretion component of the halo*, (2003) *A&A*, 406, 131

34. Gratton, R.G., Bragaglia, A., Carretta, E., Clementini, G., Desidera, S., Grundahl, F., Lucatello S. , *Distances and Ages of NGC6397, NGC6752, and 47 Tucanae.* , (2003) A&A, 408, 529
35. Iijima, T., Esenoglu, H.H., *Spectral evolution of Nova (V1494) Aql and its high velocity jets*, (2003) A&A, 404, 997
36. Israel, G. L., Covino, S., Stella, L., Mauche, C. W., Campana, S., Marconi, G., Hummel, W., Mereghetti, S., Munari, U., Negueruela, I. , *Unveiling the Nature of the 321 Second Modulation in RX J0806.3+1527: Near-Simultaneous Chandra and Very Large Telescope Observations* , (2003) Astrophysical Journal, 598, 492
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38. Lapi, A., Cavaliere, A., De Zotti, G., *Sunyaev-Zel'dovich Effects from Quasars in Galaxies and Groups*, (2003) Astrophysical Journal, 597, L93
39. Lucatello, S., Gratton, R., Cohen, J.G., Beers, T.C., Carretta, E., Christlieb, N. , *Stellar Archeology: a Keck Pilot Program on Extremely Metal-Poor Stars From the Hamburg/ESO Survey. III. The peculiar star HE0024-2523*, (2003) AJ, 125, 875
40. Lucatello, S., Gratton, R.G., *Rotation of Globular Cluster stars. Turn-Off and Subgiant stars in NGC104, NGC6397 and NGC6752.*, (2003) A&A, 406, 691
41. Marquez, I., Masegosa, J., Moles, M., Varela, J., Bettoni, D., Galletta, G., *Isolated and mildly interacting spiral galaxies: Rotation curves and metallicities*, (2003) Astrophysics and Space Science, 284, 711
42. Maris, M., Burigana, C., Cremonese, G., Marzari, F., Fogliani, S., Fulle, M. , *Diffuse and point-like foregrounds from the Solar System environment in the PLANCK mission* , (2003) Societa Astronomica Italiana Memorie Supplement, 3, 318
43. Maraston, C., Greggio, L., Renzini, A., Ortolani, S., Saglia, R.P., Puzia, T.H., Kissler-Patig, M., *Integrated spectroscopy of bulge globular clusters and field.II. Implications for population synthesis models and elliptical galaxies*, (2003) Astronomy and Astrophysics, 400, 823
44. Marrese, P. M., Boschi, F., Munari, U. , *High resolution spectroscopy over lambda lambda 8500-8750 Ang for GAIA. IV. Extending the cool MK stars sample* , (2003) Astronomy and Astrophysics, 406, 995
45. Masetti, N. Palazzi, E. Pian, E., ... Falomo, R., et al. , *Optical and near-infrared observations of the GRB020405 afterglow.*, (2003) AA 404, 465
46. Mayya, Y. D., Bressan, A., Rodriguez, M., Valdes, J. R., Chavez, M. , *Star Formation History and Extinction in the Central Kiloparsec of M82-like Starbursts* , (2004) Astrophysical Journal, 600, 188
47. Mazzei, P., Curir, A., *Dark and luminous matter connections from SPH simulations of isolated collapsing triaxial systems*, (2003) ApJ, 591, 784
48. Mobasher, B., Colless, M., Carter, D., Poggianti, B.M., Bridges, T.J., Kranz, K., Komiyama, Y., Kashikawa, N., Yagi, M., Okamura, S. , *A Photometric and Spectroscopic Study of Dwarf and Giant Galaxies in the Coma Cluster. IV. The Luminosity Function*, (2003) ApJ, 587, 605
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50. Pagani, C. Falomo, R, and Treves, A., *Host galaxies of low z radio loud quasars: A search of Hubble space telescope archives.* , (2003) ApJ, 596 830
51. Paladini, R., Davies, R. D., De Zotti, G., *Spatial distribution of Galactic HII regions*, (2004) Monthly Notices of the Royal Astronomical Society, 347, 237

52. Panuzzo, P., Bressan, A., Granato, G. L., Silva, L., Danese, L., *Dust and nebular emission. I. Models for normal galaxies*, (2003) *Astronomy and Astrophysics*, 409, 99
53. Pasetto, S., Chiosi, C., Carraro, G., *Morphological evolution of dwarf galaxies in the Local Group*, (2003) *Astronomy and Astrophysics*, 405, 931
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55. Pernechele, C., Berta, S., Marconi, A., Bonoli, C., Bressan, A., Franceschini, A., Fritz, J., Giro, E., *Spectropolarimetric search for hidden active galactic nuclei in four southern ultraluminous infrared galaxies*, (2003) *Monthly Notices of the Royal Astronomical Society*, 338, L13
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57. Perrotta, F., Magliocchetti, M., Baccigalupi, C., Bartelmann, M., De Zotti, G., Granato, G. L., Silva, L., Danese, L., *Predictions for statistical properties of forming spheroidal galaxies*, (2003) *Monthly Notices of the Royal Astronomical Society*, 338, 623
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59. Ragazzoni, R., Turatto, M., Gässler, W., *Lack of Observational Evidence for Quantum Structure of Space-Time at Planck Scales*, (2003) *ApJ*, 587, L1
60. Rampazzo R., Plana H., Amram P., Boulesteix J., Gach J-L., Hernandez O., *Warm gas kinematics in shell galaxies*, (2003) *MNRAS*, 343, 819
61. Rigon, L., Turatto, M., Benetti, S., Pastorello, A., Cappellaro, E., Aretxaga, I., Vega, O., Chavushyan, V., Patat, F., Danziger, I.J., Salvo, M., *SN 1999E. Another piece in the SN-GRB connection puzzle*, (2003) *MNRAS*, 340, 191
62. Rizzi, L., Held, E. V., Bertelli, G., Saviane, I., *Clues to the Evolution of the Carina Dwarf Spheroidal Galaxy from the Color Distribution of its Red Giant Stars*, (2003) *Astrophysical Journal*, 589, L85
63. Rizzi, L., Held, E. V., Bertelli, G., Saviane, I., *Clues to the Evolution of the Carina Dwarf Spheroidal Galaxy from the Color Distribution of its Red Giant Stars*, (2003) *Astrophysical Journal*, 589, L85
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65. Sabbi, E., Gratton, R., Bragaglia, A., Ferraro, F.R., Possenti, A., Camilo, F., D'Amico, N., *The chemical composition of COM J1740-5340 in NGC 6397*, (2003) *A&A*, 412, 829
66. Smartt, S.J., Maund, J.R., Gilmore, F.G., Tout, C.A., Kilkenny, D., Benetti, S., *Mass limits for the progenitor star of supernova 2001du and other type II-P supernovae*, (2003) *MNRAS*, 343, 735
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68. Tanvuia L., Kelm B., Focardi P., Rampazzo R., Zeilinger W., *Small Scale System of Galaxies. I. Photometric and spectroscopic properties of members*, (2003) *AJ*, 126, 1245
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72. Treves, A., Carangelo, N., Falomo, R., Kotilainen, J. , *Mass of BL Lacs from the Velocity Dispersion of the Host Galaxy* , (2003) *ASP Conf. Ser. 290: Active Galactic Nuclei: From Central Engine to Host Galaxy*, 621
73. Tucci, M., Martínez-González, E., Toffolatti, L., González-Nuevo, J., De Zotti, G., *Predictions on the polarization of extragalactic radio sources at microwave frequencies*, (2003) *New Astronomy Review*, 47, 1135
74. Valentini, G., E. Di Carlo, F. Massi, M. Dolci, A.A. Arkharov, V.M. Larionov, A. Pastorello, A. Di Paola, S. Benetti, E. Cappellaro, M. Turatto, F. Pedichini, F. D'Alessio, A. Caratti o Garatti, G. Li Causi, R. Speziali, I.J. Danziger, A. Tornambé, *Optical and near-infrared photometry of the Type Ia Supernova 2000E in NGC 6951*, (2003) *ApJ*, 595, 779
75. Vigotti, M., Carballo, R., Benn, C. R., De Zotti, G., Fanti, R., Gonzalez Serrano, J. I., Mack, K.-H., Holt, J., *Decline of the Space Density of Quasars between  $z = 2$  and  $z = 4$* , (2003) *Astrophysical Journal*, 591, 43
76. Zampieri, L., Turolla, R., Foschini, L., Treves, A. , *Radiative Acceleration and Transient, Radiation-induced Electric Fields* , (2003) *Astrophysical Journal*, 592, 368
77. Zampieri, L., Pastorello, A., Turatto, M., Cappellaro, E., Benetti, S., Altavilla, G., Mazzali, P., Hamuy, M. , *Peculiar, low-luminosity Type II supernovae: low-energy explosions in massive progenitors?* , (2003) *Monthly Notices of the Royal Astronomical Society*, 338, 711
78. Zoccali, M., Renzini, A., Ortolani, S., Greggio, L., Saviane, I., Cassisi, S., Rejkuba, M., Barbuy, B., Rich, R.M., Bica, E., *Age and metallicity distribution of the Galactic Bulge from optical and near-IR stellar photometry*, (2003) *Astronomy and Astrophysics*, 399, 931

## 11.2 Pubblicazioni su riviste con referee (in stampa)

1. Boschi, F., Munari, U. 2003 , *M31-RV photometric history and the alledged multi-outburst pattern*, (2004) *Astronomy and Astrophysics*, in stampa
2. Carretta, E., Gratton, R.G., Bragaglia, A., Bonifacio, P., Pasquini, L., *Abundance analysis in Turn-Off and Early Subgiants in the Globular Cluster 47 Tuc (NGC104)*, (2004) *A&A*, in stampa
3. 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., M, *MEMORIS: a wide angle camera for the BepiColombo mission*, (2004) *Advances Space Research*, in stampa
4. Falomo, R., Kotilainen, J.K Pagani, C., Scarpa, R. and Treves, A. , *The cosmic evolution of quasar hosts*, (2004) *ApJ*, in stampa (astro-ph/0312234)
5. Gratton, R., Sneden, C., Carretta, E. , *Abundance Variations Within Globular Clusters*, (2004) *Annual Review of Astronomy & Astrophysics*, 42, in stampa
6. Katz D., ...Vallenari, A., ...Bertelli G., et al. , *Spectroscopic survey of the Galaxy with Gaia. I.* , (2004) *A&A*, in stampa
7. Moles, M.,Bettoni, D., Fasano, G., Kjaergaard, P., Varela, J., *The peculiar galaxy IC 1182: an ongoing merger?*, (2004) *Astronomy and Astrophysics*, in stampa
8. Nogami, D., Iijima, T., *Dramatic Spectral Evolution of WZ Sge during the 2001 Superoutburst*, (2004) *PASJ* (in stampa)
9. Prouton, O. R., Bressan, A., Clemens, M., Franceschini, A., Granato, G.L., Silva, L.,, *High Frequency Radiometry of Infrared Luminous Starbursts.*, (2004) *Astronomy and Astrophysics*, in stampa
10. Rejkuba, M., Greggio, L., Zoccali, M., *Simulating the recent star formation history in the halo of NGC 5128*, (2004) *Astronomy and Astrophysics*, in stampa

11. 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, in stampa
12. Siviero A., Munari, U., Sordo, R., Dallaporta, S., Zwitter, T., Marrese, P.M., Milone, E.F., *Asiago eclipsing binaries program. I. V432 Aur*, (2004) Astronomy and Astrophysics, in stampa (astro-ph/0309691)
13. Valdés, J.R., Berta, S., Bressan, A., Franceschini, A., Rigopoulou, D., Rodighiero, G., *NIR Spectroscopy of ULIRG IRAS20100-4156: hidden star formation in the nuclear region.*, (2004) Astronomy and Astrophysics, in stampa
14. Zampieri, L., Mucciarelli, P., Falomo, R., Kaaret, P., Di Stefano, R., Turolla, R., Chierigato, M., Treves, A., *The Ultraluminous X-Ray Source NGC 1313 X-2 (MS 0317.7-6647) and Its Environment*, (2004) Astrophysical Journal, in stampa (astro-ph/0310739)

### 11.3 Libri e Monografie

1. Da Costa, G.S., D'Antona, F., Gratton, R.G., *Summaries of Papers Presented at Joint Discussion Session 4: Astrophysical Impact of Abundances in Globular Cluster Stars*, (2004) Highlights in Astronomy, vol. 13, International Astronomical Union, O. Engvald ed.,
2. Turatto, M., *Supernovae and Gamma-Ray Bursters, Chapter 3: Classification of Supernovae*, (2003) Lecture Notes in Physics, ed. K.W. Weiler, Springer-Verlag Berlin Heidelberg, p.21 (2003).

### 11.4 Rapporti invitati a congressi

1. Bertelli, G., Vallenari, A., Pasetto, S., Chiosi, C. , *Kinematics of the Galactic populations in the GAIA era* , (2003) ASP Conf. Ser. 298: GAIA Spectroscopy: Science and Technology, 153
2. Bernacca, P.L. and other 68 authors, including B.M. Poggianti, *Ultraviolet astronomy from the space station: a case study*, (2003) Recent Res. Devel. Astronomy & Astrophys., 1 (2003), p.75
3. Buson, L.M., *Ultraviolet Astronomy (updated version)*, (2003) Encyclopedia of Astronomy and Astrophysics, IoP Pub. and Macmillan Pub.
4. Cappellaro, E., Barbon, R., Turatto, M., *Supernova Statistics*, (2004) Supernovae: 10 Years of 1993J, eds. J.M. Marcaide & K.W. Weiler Springer-Verlag, Berlin, in stampa
5. Danese, L., Granato, G. L., Silva, L., Magliocchetti, M., De Zotti, G., *Spheroidal Galaxies/QSOs Connection*, (2003) Proc. ESO workshop on "The Mass of Galaxies at Low and High Redshift", Venice 24–26 October 2001, R. Bender and A. Renzini eds., Springer-Verlag, p. 99
6. De Zotti, G., Perrotta, F., Granato, G.L., Silva, L., Ricci, R., Baccigalupi, C., Danese, L., Toffolatti, L., *Millimeter-band Surveys of Extragalactic Sources*, (2003) Proc. int. conf on "SRT: the impact of large antennas on Radioastronomy and Space Science", eds. N. D'Amico, F. Fusi Pecci, I. Porceddu, and G. Tofani, SIF conf. proc. Vol. 81, p. 57
7. De Zotti, G., Burigana, C., Cavaliere, A., Danese, L., Granato, G.L., Lapi, A., Platania, P., Silva, L., *The Sunyaev-Zeldovich effect as a probe of the galaxy formation process*, (2004) Proc. Int. Symp. "Plasmas in the Laboratory and in the Universe: new insights and new challenges", Como, Sept. 2003, in stampa
8. De Zotti, G., Burigana, C., Baccigalupi, C., Ricci, R., *Impact of foregrounds on Cosmic Microwave Background maps*, (2004) Proc. int. conf. "Thinking, Observing and Mining the Universe", Sorrento, Sept. 2003, in stampa
9. De Zotti, G., Granato, G.L., Silva, L., Danese, L., *Observational tests of the galaxy formation process*, (2004) Proc. int. conf. "Baryons in Cosmic Structures, Roma, October 20-21, 2003, in stampa
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