

Lista de Publicações

(a) Artigos em revistas internacionais com arbitragem

1. "Analysis of the subgiant halo star HD 76932", B. Barbuy: 1978, *Astronomy & Astrophysics* 67, 339-344
2. "Carbon-to-iron ratio in extreme population II stars", B. Barbuy: 1981, *Astronomy & Astrophysics* 101, 365-368
3. "Azote dans les etoiles du halo", B. Barbuy: 1981, *Annales Physique France* 6, 121-126
4. "Nitrogen and oxygen as indicators of primordial enrichment", B. Barbuy: 1983, *Astronomy & Astrophysics* 123, 1-6
5. "Analyses of three field halo stars and the chemical evolution of the Galaxy", B. Barbuy, F. Spite, M. Spite: 1985, *Astronomy & Astrophysics* 144, 343-354
6. "Magnesium isotopes in moderately metal-poor stars", B. Barbuy: 1985, *Astronomy & Astrophysics* 151, 189-197
7. "Magnesium isotopes in super-metal-rich stars", B. Barbuy: 1987, *Astronomy & Astrophysics* 172, 251-256
8. "Magnesium isotopes in metal-poor and metal-rich stars" B. Barbuy, F. Spite, M. Spite: 1987, *Astronomy & Astrophysics* 178, 199-202
9. "Carbon and nitrogen abundances in metal-poor dwarfs of the solar neighbourhood", D. Carbon, B. Barbuy, R. Kraft, E. Friel, N. Suntzeff: 1987, *Publications Astron. Soc. Pacific* 99, 335-368
10. "Oxygen in 20 halo giants", B. Barbuy: 1988, *Astronomy & Astrophysics* 191, 121-127
11. "Oxygen in old and thick disk stars", B. Barbuy, M. Erdelyi-Mendes: 1989, *Astronomy & Astrophysics* 214, 239-248
12. "A synthetic Mg index", B. Barbuy: 1989, *Astrophysics & Space Science* 157, 111-116
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14. "Oscillator strengths and damping constants from the solar spectrum at 830-870 nm", M. Erdelyi-Mendes, B. Barbuy: 1989, *Astronomy & Astrophysics Supplement Series* 80, 229-237

15. "Chemical enrichment by tidally disrupted stars near a black hole in the Galactic center", J.-P. Luminet, B. Barbuy: 1990, *Astronomical Journal* 99, 838-842
16. "High-metallicity effects in BVRI colour-magnitude diagrams: the globular cluster NGC 6553", S. Ortolani, B. Barbuy, E. Bica: 1990, *Astronomy & Astrophysics* 236, 362-370
17. "Synthetic CaII infrared triplet lines as a function of stellar parameters", M. Erdelyi-Mendes, B. Barbuy: 1991, *Astronomy & Astrophysics* 241, 176-182
18. "A grid of synthetic spectra for the determination of effective temperature, gravity and metallicity of F, G, K stars . I. Description of the method", R. Cayrel, M.-N. Perrin, B. Barbuy, R. Buser: 1991, *Astronomy & Astrophysics* 247, 108-121
19. "A grid of synthetic spectra for the determination of effective temperature, gravity and metallicity of F, G, K stars. II. Application to 41 stellar spectra taken in the Basel field SA 141", R. Cayrel, M.-N. Perrin, R. Buser, B. Barbuy, M.-F. Coupry: 1991, *Astronomy & Astrophysics* 247, 122-129
20. "Carbon and nitrogen abundances in three supergiants of the young SMC globular cluster: NGC 330", B. Barbuy, M. Spite, F. Spite, A. Milone: 1991, *Astronomy & Astrophysics* 247, 15-19
21. "Metal-rich globular clusters: Giant branch morphology as a metallicity criterion", S. Ortolani, B. Barbuy, E. Bica: 1991, *Astronomy & Astrophysics Letters* 249, L31-L33
22. "Abundances in southern type I planetary nebulae", J. A. de Freitas Pacheco, W. J. Maciel, R. D. D. Costa, B. Barbuy: 1991, *Astronomy & Astrophysics* 250, 159-164
23. "Metal-rich giant branches of bulge clusters: application to color-magnitude diagrams of M31 and M32", E. Bica, B. Barbuy, S. Ortolani: 1991, *The Astrophysical Journal Letters*, 382, L15-L17
24. "Grain coagulation in contracting protostellar clouds", S. C. F. Rossi, P. Benevides-Soares, B. Barbuy: 1991, *Astronomy & Astrophysics* 251, 587-596
25. "CCD photometry of NGC 6528: a high metallicity inner bulge globular cluster", S. Ortolani, E. Bica, B. Barbuy: 1992, *Astronomy & Astrophysics Supplement Series*, 92, 441-448
26. "Synthetic Mg₁, Mg₂ and Mgb indices: relative intensities of molecular bands as a function of stellar parameters", B. Barbuy, M. Erdelyi-Mendes, A. Milone: 1992, *Astronomy & Astrophysics Supplement Series* 93, 235-246

27. "Metallicity of the star III-17 in the bulge globular cluster NGC 6553", B. Barbuy, S. Castro, S. Ortolani, E. Bica: 1992, *Astronomy & Astrophysics* 259, 607-613
28. "CNO overabundances in 6 stars of ω Centauri", A. Milone, B. Barbuy, M. Spite, F. Spite: 1992, *Astronomy & Astrophysics* 261, 551-557
29. "Light element abundances in Barium stars", B. Barbuy, A. Jorissen, S. C. F. Rossi, M. Arnould: 1992, *Astronomy & Astrophysics* 262, 216-228
30. "Blanketing effects in the very metal-rich bulge globular cluster Terzan 1", S. Ortolani, E. Bica, B. Barbuy: 1993, *Astronomy & Astrophysics* 267, 66-74
31. "IRAS colours of Li-rich giants", J. Gregorio-Hetem, B.V. Castilho, B. Barbuy: 1993, *Astronomy & Astrophysics Letters* 268, L25-L26
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34. "Type I planetary nebulae in the Large Magellanic Cloud: Oxygen, Sulphur and Argon abundances as tracers of chemical enrichment", J.A. de Freitas Pacheco, B. Barbuy, R.D.D. Costa, T. Idiart: 1993, *Astronomy & Astrophysics*, 271, 429-434
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37. "Lyngå 7: a new disk globular cluster ?", S. Ortolani, E. Bica, B. Barbuy: 1993, *Astronomy & Astrophysics* 273, 415-420
38. "Intensity of CaH lines in cool dwarfs", B. Barbuy, R. Schiavon, J. Gregorio-Hetem, P.D. Singh, C. Batalha: 1993, *Astronomy & Astrophysics Supplement Series* 101, 409-413
39. "Oxygen abundances in the Large Magellanic Cloud: a prediction on SNII/SNI rates", B. Barbuy, J. A. de Freitas Pacheco, S. Castro: 1994, *Astronomy & Astrophysics*, 283, 32-36
40. "The globular cluster NGC 6540", E. Bica, S. Ortolani, B. Barbuy: 1994, *Astronomy & Astrophysics*, 283, 67-75

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47. "TiO bands as a function of stellar parameters", A. Milone, B. Barbuy: 1994, Astronomy & Astrophysics Supplement Series, 108, 449-454
48. "The low Galactic latitude metal-rich globular cluster NGC 6440", S. Ortolani, B. Barbuy, E. Bica: 1994, Astronomy & Astrophysics Supplement Series, 108, 653-659
49. "Analysis of the moderately Li-rich giant HD 146850", B.V. Castilho, B. Barbuy, J. Gregorio-Hetem: 1995, Astronomy & Astrophysics, 297, 503-508
50. "Two reddened globular clusters projected close to the Galactic center: Palomar 6 and Djorgovski 1", S. Ortolani, E. Bica, B. Barbuy: 1995, Astronomy & Astrophysics, 296, 680-684
51. "High resolution abundance analysis of two stars near the globular cluster NGC 6522 projected in Baade's Window", S. Castro, B. Barbuy, E. Bica, S. Ortolani, A. Renzini: 1995, Astronomy & Astrophysics Supplement Series, 111, 17-25
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