

**GUSTAVO BRUZUAL A.**  
**LIST OF PUBLICATIONS**

(as of 05/21/2013)

**ARTICLES IN REFEREED SCIENTIFIC JOURNALS**

- (63) 2013 Hernández-Pérez, F., & **Bruzual A., G.** “Revisiting binary stars in population synthesis models”, *Mon. Not. Royal Astron. Soc.*, **431**, 2612-2621. ISSN: 0035-8711
- (62) 2012 La Barbera, F., Ferreras, I., de Carvalho, R. R., **Bruzual A., G.**, Charlot, S., Pasquali, A., & Merlin, E. “SPIDER VII - Revealing the Stellar Population Content of Massive Early-type Galaxies out to 8Re”, *Mon. Not. Royal Astron. Soc.*, **426**, 2300-2317. ISSN: 0035-8711
- (61) 2011 Mateu, C., **Bruzual A., G.**, Aguilar, L., Brown, A.G.A., Valenzuela, O., Carigi, L., Velázquez, H., & Hernández, F. “Detection of Satellite Remnants in the Galactic Halo with Gaia - II. A modified Great Circle Cell Method”, *Mon. Not. Royal Astron. Soc.*, **415**, 214-224. ISSN: 0035-8711
- (60) 2010 González-Lópezlira, R.A., **Bruzual A., G.**, Charlot, S., Ballesteros-Paredes, J., & Loinard, L. “Tracers of stellar mass loss - I. Optical and near-IR colours and surface brightness fluctuations”, *Mon. Not. Royal Astron. Soc.*, **403**, 1213-1238. ISSN: 0035-8711
- (59) 2010 **Bruzual A., G.** “Review. Star Clusters as simple stellar populations”, *Phil. Trans. Royal Soc.*, **368**, 783-799. ISSN: 1364-503X
- (58) 2009 **Bruzual A., G.** “PEGASE: a UV to NIR spectral evolution model of galaxies. Commentary on: Fioc M. & Rocca-Volmerange B., 1997, A&A, 326, 950”, *Astron. Astrophys.*, **500**, 521-522. ISSN: 0004-637X
- (57) 2009 Rengstorf, A.W., ..., **Bruzual A., G.**, et al. (the QUEST Collaboration). “QUEST1 Variability Survey. III. Light Curve Catalog Update”, *Astrophys. Journal Suppl.*, **181**, 129-134. ISSN: 0067-0049
- (56) 2009 Martínez-García, E.E., González-Lópezlira, R.A., & **Bruzual A., G.** “Spiral density wave triggering of star formation in SA and SAB galaxies”, *Astrophys. Journal*, **694**, 512-545. ISSN: 0004-637X
- (55) 2008 Eminian, C., Kauffmann, G., Charlot, S., Wild, V., **Bruzual A., G.**, Rettura, A., & Loveday, J. “Physical interpretation of the near-infrared colours of low-redshift galaxies”, *Mon. Not. Royal Astron. Soc.*, **384**, 930-942. ISSN: 0035-8711
- (54) 2007 Coelho, P., **Bruzual A., G.**, Charlot, S., Weiss, A., Barbuy, B., & Ferguson, J. W. “Spectral models for solar-scaled and  $\alpha$ -enhanced stellar populations”, *Mon. Not. Royal Astron. Soc.*, **382**, 498-514. ISSN: 0035-8711
- (53) 2005 Rembold, S.B., Pastoriza, M.G., & **Bruzual A., G.** “The elliptical galaxy NGC 720: An unequal-mass galaxy merger remnant”, *Astron. Astrophys.*, **436**, 57-65. ISSN: 0004-6361
- (52) 2005 Bongiovanni, A., **Bruzual A., G.**, Magris C., G., Gallego, J., García-Dabó, C.E., Coppi, P., & Sabbey, C.Y. “The CIDA-UCM-Yale shallow survey for emission line galaxies”, *Mon. Not. Royal Astron. Soc.*, **359**, 930-940. ISSN: 0035-8711
- (51) 2005 González-Lópezlira, R.A., Albarrán, M.Y., Mouhcine, M., Liu, M.C., **Bruzual A., G.**, & de Batz, B. “Near-infrared surface brightness fluctuations and optical colours of Magellanic star clusters”, *Mon. Not. Royal Astron. Soc.*, **363**, 1279-1289. ISSN: 0035-8711
- (50) 2004 Vivas, A.K., ..., **Bruzual A., G.**, et al. (the QUEST Collaboration). “The QUEST RR Lyrae Survey I: The First Catalog”, *Astron. Journal*, **127**, 1158-1175. ISSN: 0004-6256

- (49) 2004 González, R. A., Liu, M. C., & **Bruzual A., G.** “Infrared Surface Brightness Fluctuations of Magellanic Star Clusters”, *Astrophys. Journal*, **611**, 270-293. Erratum: *ApJ*, 2005, **621**, 557. ISSN: 0004-637X
- (48) 2004 Rengstorf, A.W., ..., **Bruzual A., G.**, et al. (the QUEST Collaboration). “QUEST1 Variability Survey. II. Variability Determination Criteria and 200k Light Curve Catalog”, *Astrophys. Journal*, **617**, 184-191. ISSN: 0004-637X
- (47) 2004 Rengstorf, A.W., ..., **Bruzual A., G.**, et al. (the QUEST Collaboration). “New Quasars Detected via Variability in the QUEST1 Survey”, *Astrophys. Journal*, **606**, 741-748. ISSN: 0004-637X
- (46) 2003 Kauffmann, G., Heckman, T.M., White, S.D.M., Charlot, S., Tremonti, C., Brinchmann, J., **Bruzual A., G.**, Peng, E.W., Seibert, M., Bernardi, M., & 12 coauthors “Stellar masses and star formation histories for  $10^5$  galaxies from the Sloan Digital Sky Survey”, *Mon. Not. Royal Astron. Soc.*, **341**, 33-53. ISSN: 0035-8711
- (45) 2003 Le Borgne, J.-F., **Bruzual A., G.**, Pelló, R., Lançon, A., Rocca-Volmerange, B., Sanahuja, B., Schaerer, D., Soubiran, C., & Vílchez-Gómez, R. “STELIB: a library of stellar spectra at  $R \approx 2000$ ”, *Astron. Astrophys.*, **402**, 433-442. ISSN: 0004-6361
- (44) 2003 **Bruzual A., G.**, & Charlot, S. “Stellar Population Synthesis at the Resolution of 2003”, *Mon. Not. Royal Astron. Soc.*, **344**, 1000-1028. ISSN: 0035-8711
- (43) 2003 Cardiel, N., Gorgas, J., Sánchez-Blázquez, P., Cenarro, A.J., Pedraz, S., **Bruzual A., G.**, & Klement, J. “Using spectroscopic data to disentangle stellar population properties”, *Astron. Astrophys.*, **409**, 511-522. ISSN: 0004-6361
- (42) 2003 Magris C., G., Binette, L., **Bruzual A., G.** “ADEMIS: A Library of Evolutionary Models for Emission-Line Galaxies. I. Dust-free Models”, *Astrophys. Journal Suppl. Series*, **149**, 313-326. ISSN: 0067-0049
- (41) 2002 Westera, P., Lejeune, T., Buser, R., Cuisinier, F., & **Bruzual A., G.** “A Standard Stellar Library for Evolutionary Synthesis. III. Metallicity Calibration”, *Astron. Astrophys.*, **381**, 524-538. ISSN: 0004-6361
- (40) 2002 Baltay, C., ..., **Bruzual A., G.**, et al. (the QUEST Collaboration). “A Large Area CCD Camera for the Schmidt Telescope at the Venezuelan National Astronomical Observatory”, *Pub. Astr. Soc. Pac.*, **114**, 780-794. ISSN: 0004-6280
- (39) 2001 Vílchez-Gómez, R., **Bruzual A., G.**, Pelló, R., and Domínguez, R. “Interactions and the Evolution of Cluster Galaxies”, *Astrophysics and Space Science*, **276**, 757-764. ISSN: 0004-640X
- (38) 2001 Sabbey, C. N., Oemler, A., Coppi, P., Baltay, C., Bongiovanni, A., **Bruzual A., G.**, Garcia, C. E., Musser, J., Rengstorf, A. W., & Snyder, J. A. “The Low-Redshift Quasar-Quasar Correlation Function from an Extragalactic  $H\alpha$  Emission-Line Survey to  $z = 0.4$ ”, *Astrophys. Journal*, **548**, 585-591. ISSN: 0004-637X
- (37) 2001 Ferrín, I., ..., **Bruzual A., G.**, et al. (the QUEST Collaboration). “Discovery of the Bright Trans-Neptunian Object 2000 EB173”, *Astrophys. Journal Letters*, **548**, L243-L247. ISSN: 0004-637X
- (36) 2001 Vivas, A.K., ..., **Bruzual A., G.**, et al. (the QUEST Collaboration). “The QUEST RR Lyrae Survey: Confirmation of the Clump at 50 kpc and Other Over-Densities in the Outer Halo”, *Astrophys. Journal Letters*, **554**, L33-L36. ISSN: 0004-637X
- (35) 2001 **Bruzual A., G.** “Stellar Populations in Local and Distant Galaxies”, *Astrophysics and Space Science (Suppl)*, **277**, 221-230. ISSN: 0004-640X

- (34) 2001 Salvador-Solé, E., Manrique, A., Raig, A., González-Casado, G., Solanes, J. M., y **Bruzual A., G.** “An Analytical Model of Galaxy Formation”, *Astrophysics and Space Science*, **276**, 1065-1071. ISSN: 0004-640X
- (33) 2000 Schiavon, R.P., Barbuy, B., & **Bruzual A., G.** “Near-Infrared Spectral Features in Single-Aged Stellar Populations”, *Astrophys. Journal*, **532**, 453-460. ISSN: 0004-637X
- (32) 1999 Pelló, R., Kneib, J.P., Le Borgne, J.-F., Bézecourt, J., Ebbels, T.M., Tijera, I., **Bruzual A., G.**, Miralles, J.M., Smail, I., Soucail, G., & Bridges, T.J. “Two Multiple-Imaged  $z = 4.05$  Galaxies in the Cluster-Lens Abell 2390”, *Astron. Astrophys.*, **346**, 359-368. ISSN: 0004-6361
- (31) 1999 Schaefer, B.E., ..., **Bruzual A., G.**, et al. (the QUEST Collaboration). “Discovery of the Optical Transient of GRB 990308”, *Astrophys. Journal Letters*, **524**, L103-L106. ISSN: 0004-637X
- (30) 1998 Bender, R., Saglia, R.P., Ziegler, B., Belloni, P., Greggio, L., Hopp, U., & **Bruzual A., G.** “Exploring Cluster Ellipticals as Cosmological Standard Rods”, *Astrophys. Journal*, **493**, 529-535. ISSN: 0004-637X
- (29) 1998 Pozzetti, L., Madau, P., Zamorani, G., Fergusson, H.C., & **Bruzual A., G.** “High Redshift Galaxies in the Hubble Deep Field. II. Colours and Number Counts”, *Mon. Not. Royal Astron. Soc.*, **298**, 1133-1144. ISSN: 0035-8711
- (28) 1998 **Bruzual A., G.** “Star Formation in Early-Type Galaxies”, *Pub. Astr. Soc. Pac.*, **110**, 1375-1376. ISSN: 0004-6280
- (27) 1997 **Bruzual A., G.**, Barbuy, B., Ortolani, S., Bica, E., Cuisinier, F., Lejeune, T., & Schiavon, R. “Matching Stellar Population Models to Bulge Globular Clusters”, *Astron. Journal*, **114**, 1531-1538. ISSN: 0004-6256
- (26) 1996 Pozzetti, L., **Bruzual A., G.**, & Zamorani, G. “Pure Luminosity Evolution Models for Faint Field Galaxy Samples”, *Mon. Not. Royal Astron. Soc.*, **281**, 953-969. ISSN: 0035-8711
- (25) 1996 Bender, R., Ziegler, B., & **Bruzual A., G.** “The Redshift Evolution of the Stellar Populations in Elliptical Galaxies”, *Astrophys. Journal Letters*, **463**, L51-L54. ISSN: 0004-637X
- (24) 1996 Pelló, R., Miralles, J.M., Le Borgne, J.-F., Picat, J.-P., Soucail, G., & **Bruzual A., G.** “Identification of a High Redshift Cluster in the Field of Q2345+007 Through Deep BRIJK Photometry”, *Astron. Astrophys.*, **314**, 73-86. ISSN: 0004-6361
- (23) 1996 **Bruzual A., G.** & Charlot, S. “A Library of Galaxy Spectral Evolutionary Models, in *A Data Base for Galaxy Evolution Modeling*, eds. C. Leitherer et al.”, *Pub. Astron. Soc. Pac.*, **108**, 996-1017. ISSN: 0004-6280
- (22) 1995 Belloni, P., **Bruzual A., G.**, Röser, H.J., & Thimm, G.J. “Detectability and Incidence of E+A Galaxies in the Distant Cluster Cl0939+472 ( $z=0.41$ )”, *Astron. Astrophys.*, **297**, 61-76. ISSN: 0004-6361
- (21) 1994 Binette, L., Magris C., G., Stasińska, G., & **Bruzual A., G.** “Photoionisation in Elliptical Galaxies by Old Stars”, *Astron. Astrophys.*, **292**, 13-19. ISSN: 0004-6361
- (20) 1993 **Bruzual A., G.**, & Charlot S. “Spectral Evolution of Stellar Populations Using Isochrone Synthesis”, *Astrophys. Journal*, **405**, 538-553. ISSN: 0004-637X
- (19) 1993 Koo, D. C., Gronwall, C., & **Bruzual A., G.** “Counter-Evolution of Faint Field Galaxies”, *Astrophys. Journal Letters*, **415**, L21-L24. ISSN: 0004-637X
- (18) 1993 Magris C., G., & **Bruzual A., G.** “Population Synthesis and the UV Spectrum of Elliptical Galaxies”, *Astrophys. Journal*, **417**, 102-113. ISSN: 0004-637X

- (17) 1993 Carigi, L., & **Bruzual A., G.** “A Model for the Chemical Evolution of the Solar Neighborhood Using Metallicity Dependent Yields”, *Space Science Reviews*, **66**, 471-475. ISSN: 0038-6308
- (16) 1991 **Bruzual A., G.** “Infrared Background Models from Galaxy Evolution”, *Adv. Space Res.*, **11-2**, (2)213-(2)222. ISSN: 0273-1177
- (15) 1991 Charlot S., & **Bruzual A., G.** “Stellar Population Synthesis Revisited”, *Astrophys. Journal*, **367**, 126-140. ISSN: 0004-637X
- (14) 1988 **Bruzual A., G.**, Magris C., G., & Calvet N. “A Model for the Effects of Dust on the Spectrum of Disk Galaxies. I. General Treatment”, *Astrophys. Journal*, **333**, 673-688. ISSN: 0004-637X
- (13) 1986 Silk, J., Djorgovski, S., Wyse, R. F. G., & **Bruzual A., G.** “Self-Regulated Cooling Flows in Elliptical Galaxies and in Cluster Cores: Is Exclusively Low Mass Star Formation Really Necessary?”, *Astrophys. Journal*, **307**, 415-425. ISSN: 0004-637X
- (12) 1983 **Bruzual A., G.** “Spectral Evolution of Galaxies. IV. A Catalog of Theoretical Predictions of Cosmological Interest”, *Rev. Mex. Astron. Astrofis.*, **8**, 63-81. ISSN: 0185-1101
- (11) 1983 **Bruzual A., G.** “Spectral Evolution of Galaxies. III. Cosmological Predictions for the Space Telescope Faint Object Camera”, *Astrophys. Journal Suppl.*, **53**, 497-521. ISSN: 0067-0049
- (10) 1983 **Bruzual A., G.** “Spectral Evolution of Galaxies. II. An Atlas of IUE Spectra of Late-Type Stars and Nearby Early-Type Stellar Systems”, *Rev. Mex. Astron. Astrofis.*, **8**, 29-37. ISSN: 0185-1101
- (9) 1983 **Bruzual A., G.** “Spectral Evolution of Galaxies. I. Early-Type Systems”, *Astrophys. Journal*, **273**, 105-127. ISSN: 0004-637X
- (8) 1982 **Bruzual A., G.**, Peimbert, M., & Torres-Peimbert, S. “The UV Continuum Spectrum of M81”, *Astrophys. Journal*, **260**, 495-503. ISSN: 0004-637X
- (7) 1981 **Bruzual A., G.** “The Spectrum of the Extragalactic Background Light”, *Rev. Mex. Astron. Astrofis.*, **6**, 19-21. ISSN: 0185-1101
- (6) 1980 **Bruzual A., G.**, & Kron, R. G. “On the Interpretation of Colors of Faint Galaxies”, *Astrophys. Journal*, **241**, 25-40. ISSN: 0004-637X
- (5) 1978 **Bruzual A., G.**, & Spinrad, H. “The Characteristic Size of Cluster of Galaxies: A Metric Rod Used for a Determination of  $q_0$ ”, *Astrophys. Journal*, **220**, 1-7. ISSN: 0004-637X
- (4) 1978 Kormendy, J., & **Bruzual A., G.** “The Minor-Axis Brightness Profile of the Galaxy NGC 4565 and the Problem of Massive Halos”, *Astrophys. Journal Letters*, **223**, L63-L66. ISSN: 0004-637X
- (3) 1978 Spinrad, H., Ostriker, J. P., Stone, R. P. S., Chiu, L-T. G., & **Bruzual A., G.** “Halos of Spiral Galaxies: Photometry and Mass-to-Light Ratios”, *Astrophys. Journal*, **225**, 56-66. ISSN: 0004-637X
- (2) 1977 Morton, D. C., Spinrad, H., **Bruzual A., G.**, & Kurucz, R. L. “The Ultraviolet Spectra of Alpha Aquilae and Alpha Canis Minoris”, *Astrophys. Journal*, **212**, 438-445. ISSN: 0004-637X
- (1) 1976 King. I. R., & **Bruzual A., G.** “Light Curves of Five Variables in the Globular Cluster M55”, *Astron. Astrophys.*, **50**, 459. ISSN: 0004-6361

## INVITED TALKS IN PROCEEDINGS OF SCIENTIFIC MEETINGS

- (38) 2012 Buat, V., Braine, J., **Bruzual A., G.**, Dale, D.A., Hornschemeier, A., Lehmer, B., Kroupa, P., Pflamm-Altenburg, J., Popescu, C.C., Wu, H., & Zezas, A. “Calibration of Star-Formation Rate Measurements Across the Electromagnetic Spectrum”, in *Proceedings of the XXVIIIth IAU General Assembly Special Session 8, Highlights of Astronomy, Volume 16*, ed. Ian F. Corbett, Cambridge: Cambridge University Press, (en prensa). [Beijing, China, del 27 al 30 de Agosto 2012].
- (37) 2012 Gallagher, J., Lonsdale, C., & **Bruzual A., G.** “Conference Summary”, in *Proceedings of the IAU Symposium No. 284 “The spectral energy distribution of galaxies”*, eds. C. Popescu and R. Tuffs, Cambridge: Cambridge University Press, 500-507. [Preston, Reino Unido, del 5 al 9 de Septiembre 2011].
- (36) 2011 **Bruzual A., G.** “Modeling Stellar Populations Near and Far”, in *Proceedings of the XIII Reunión Regional Latinoamericana de Astronomía*, eds. W. J. Henney and S. Torres-Peimbert, Rev. Mex. Astron. Astrofis., Conf. Ser., 40, 36-41. [Morelia, México, 8 al 12 de Noviembre 2010]. ISSN: 0185-1101
- (35) 2010 **Bruzual A., G.** “Recent Progress in Modelling Stellar Populations Near and Far”, in *American Astronomical Society’s 216th Meeting*, Bulletin of the American Astronomical Society, Vol. 41, p.864, . [Miami, Florida, USA, 23 al 27 de Mayo 2010].
- (34) 2010 **Bruzual A., G.** “Population Synthesis: Challenges for the Next Decade”, in *Proceedings of the IAU Symposium No. 262 “Stellar Populations - Planning for the Next Decade”*, eds. G. Bruzual and S. Charlot, Cambridge: Cambridge University Press, 55-64. [Rio de Janeiro, Brasil, del 3 al 7 de Agosto 2009]. ISSN: 1743-9213
- (33) 2009 **Bruzual A., G.** “Uncertainties on stellar mass and age estimates at low and high z”, in *Proceedings of the International Conference “Probing Stellar Populations Out to the Distant Universe: Cefalu 2008”*, eds. G. Giobbi, A. Tornambe, G. Raimondo, M. Limongi, L.A. Antonelli, N. Menci, and E. Brocato, AIP Conf. Proc., Volume 1111, pp. 103-110. [Cefalù, Sicilia, Italia, del 8 al 12 de Septiembre 2008]. ISSN: 0094-243X
- (32) 2009 **Bruzual A., G.** “Spectral evolution and line strength indices in the UV”, in *Proceedings of the Meeting “New Quests on Stellar Astrophysics. II. Ultraviolet Properties of Evolved Stellar Populations*, eds. M. Chávez, E. Bertone, D. Rosa-González, and L.H. Rodríguez-Merino, New York: Springer-Verlag, 283-292. [Puerto Vallarta, México, del 16 al 20 de Abril de 2007]. ISBN: 0387876200
- (31) 2007 **Bruzual A., G.** “On TP-AGB stars and the mass of galaxies”, in *Proceedings of the IAU Symposium No. 241 “Stellar Populations as Building Blocks of Galaxies”*, eds. A. Vazdekis and R. F. Peletier, Cambridge: Cambridge University Press, 125-132. [La Palma, Canarias, España, del 11 al 15 de Diciembre 2006]. **astro-ph/0703052** ISSN: 1743-9213
- (30) 2007 **Bruzual A., G.** “Stellar Populations: High Spectral Resolution Libraries. Improved TP-AGB Treatment”, in *Proceedings of the Conference “From Stars to Galaxies: Building the Pieces to Build Up the Universe”*, eds. A. Vallenari, R. Tantalo, L. Portinari, and A. Moretti, *Astr. Soc. Pac. Conference Series*, **374**, 303-310. [Venecia, Italia, del 16 al 20 de Octubre 2006]. **astro-ph/0702091** ISSN: 1080-7926
- (29) 2007 **Bruzual A., G.** “Studying Stellar Populations at High Spectral Resolution”, in *Proceedings of the Meeting “Resolved Stellar Populations”*, eds. D. Valls-Gabaud and M. Chávez, *Astr. Soc. Pac. Conference Series*, , en prensa. [Cancún, México, del 18 al 22 de Abril de 2005]. **astro-ph/0701907** ISSN: 1080-7926

- (28) 2004 **Bruzual A., G.** “Stellar Populations in Normal Galaxies”, in *Proceedings of the IAU Symposium No. 222 “The Interplay Among Black Holes, Stars, and ISM in Galactic Nuclei”*, eds. T. Storchi-Bergmann, L.C. Ho, and H.R. Schmitt, Cambridge: Cambridge University Press, 121-126. [Gramado, Brasil, del 29 de Febrero al 5 de Marzo de 2004]. **astro-ph/0701922** ISSN: 1743-9213
- (27) 2003 **Bruzual A., G.** “Stellar Population Synthesis Models at Low and High Redshift”, in *Proceedings of the XI Canary Islands Winter School of Astrophysics on “Galaxies at High Redshift”*, eds. I. Pérez-Fournon, M. Balcells, F. Moreno-Insertis, and F. Sánchez, Cambridge: Cambridge University Press, 185-221. [Santa Cruz de Tenerife, Tenerife, España, del 15 al 26 de Noviembre de 1999]. **astro-ph/0011094** ISBN: 0521825911
- (26) 2002 **Bruzual A., G.** “Stellar Populations in Star Clusters: The Rôle Played by Stochastic Effects”, in *Proceedings of the IAU Symposium No. 207 “Extragalactic Star Clusters”*, eds. D. Geisler, E. Grebel, and D. Minniti, San Francisco: Astronomical Society of the Pacific, 616-624. [Pucón, Chile, del 12 al 16 de Marzo de 2001]. **astro-ph/0110245** ISBN: 158381115X
- (25) 2002 **Bruzual A., G.** “Modeling Stellar Populations in Star Clusters and Galaxies”, in *Proceedings of the X Reunión Regional Latinoamericana de Astronomía*, eds. H. Levato and J.J. Clariá, (artículo no incluido por error de los editores). [Córdoba, Argentina, del 17 al 21 de Septiembre de 2001]. **astro-ph/0202275** ISSN: 0185-1101
- (24) 2001 **Bruzual A., G.** “Spectroscopic Dating of Stellar Populations from Local Star Clusters to Distant Galaxies and the Age of the Universe”, *Proceedings of the 3rd Congress of the Venezuelan Physical Society*, Rev. Mex. Fis. **49-3**, 56-59 . [Caracas, Venezuela, del 10 al 14 de Diciembre de 2001]. **astro-ph/0202178** ISSN: 0035-001X
- (23) 2001 **Bruzual A., G.** “Stellar Populations in Local and Distant Galaxies”, in *Proceedings of the Euroconference “The Evolution of Galaxies. I - Observational Clues”*, eds. J. M. Vílchez, G. Stasińska and E. Pérez, Dordrecht: Kluwer Academic Publishers (2001), 221-230. [Granada, España, del 23 al 27 de Mayo de 2000]. ISBN: 9048158214
- (22) 1999 **Bruzual A., G.** “Stellar Population Synthesis Models”, in *Proceedings of the Meeting on “The Hy-Redshift Universe: Galaxy Formation and Evolution at High Redshift”*, eds. A. J. Bunker and W. J. M. van Breugel, *Astr. Soc. Pac. Conference Series*, **193**, 121-132. [Berkeley, California, USA, del 21 al 24 de Junio de 1999]. ISBN: 1583810196
- (21) 1999 **Bruzual A., G.** “A Closer Look at Population Synthesis Models: Effects on the Interpretation of Distant Galaxies”, in *Proceedings of the Meeting on “Spectrophotometric Dating of Stars and Galaxies”*, eds. I. Hubeny, S.R. Heap, and R.H. Cornett, *Astr. Soc. Pac. Conference Series*, **192**, 272. [Annapolis, Maryland, USA, del 25 al 29 de Abril de 1999]. ISBN: 1583810188
- (20) 1999 **Bruzual A., G.** “Young Stellar Populations in Early-Type Galaxies”, in *Proceedings of the Meeting “Star Formation in Early-Type Galaxies”*, eds. P. Carral and J. Cepa, *Astr. Soc. Pac. Conference Series*, **163**, 3-16. [Guanajuato, México, del 29 de Junio al 3 de Julio de 1998]. ISBN: 1886733848
- (19) 1999 **Bruzual A., G.** “Uncertainties in Population Synthesis Models”, in *Proceedings of the Meeting on “The Evolution of Galaxies on Cosmological Timescales”*, eds. J.E. Beckman and T.J. Mahoney, *Astr. Soc. Pac. Conference Series*, **187**, 245-255. [Puerto de la Cruz, Tenerife, España, del 30 de Noviembre al 4 de Diciembre de 1998]. ISBN: 1583810137
- (18) 1999 **Bruzual A., G.** “Population Synthesis in a Universe of Interacting Galaxies”, in *Proceedings of the IAU Symposium No. 186 “Galaxy Interactions at Low and High Redshift”*, eds. J.E. Barnes and D.B. Sanders, Dordrecht: Kluwer Academic Publishers (1999), 459-466. [Kyoto, Japón, del 26 al 30 de Agosto de 1997]. ISBN: 0792358325

- (17) 1996 **Bruzual A., G.** “Searching for Evidence of Spectral Evolution of Galaxies”, in *Proceedings of the VIII Reunión Regional Latinoamericana de Astronomía*, Rev. Mex. Astron. Astrofis., Conf. Ser., 4, 61-66, . [Montevideo, Uruguay, 27 de Noviembre al 1 de Diciembre de 1995]. ISSN: 0185-1101
- (16) 1996 **Bruzual A., G.** “Population Synthesis Models”, in *Proceedings of the IAU Symposium No. 171 “New Light on Galaxy Evolution”*, eds. R. Bender and R.L. Davies, Dordrecht: Kluwer Academic Publishers, 61-69. [Heidelberg, Alemania, del 26 al 30 de Junio de 1995]. ISBN: 0792339754
- (15) 1996 **Bruzual A., G.** “Evolutionary Population Synthesis: UV to IR”, in *Proceedings of the Meeting “From Stars to Galaxies: The Impact of Stellar Physics on Galaxy Evolution”*, ed. C. Leitherer, U. Fritze-von Alvensleben, and J. Huchra, *Astr. Soc. Pac. Conference Series*, **98**, 14-25. [Porto Elounda Mare, Creta, Grecia, del 9 al 13 de Octubre de 1995]. ISBN: 1886733198
- (14) 1995 **Bruzual A., G.** “Radiative Transfer Models”, in *Proceedings of the NATO Advanced Research Workshop on “The Opacity of Spiral Disks”*, eds. J.I. Davies and D. Burstein, Dordrecht: Kluwer Academic Publishers, 33-41. [Cardiff, Reino Unido, del 25 al 29 de Julio de 1994]. ISBN: 0792336380
- (13) 1993 **Bruzual A., G.** “Population Synthesis and Spectral Evolution of Galaxies”, in *Proceedings of the Third Teton Summer School “The Environment and Evolution of Galaxies”*, eds. J. M. Shull and H. A. Thronson, (Dordrecht: Kluwer Academic Press), p. 91-104. [Grand Teton National Park, Wyoming, USA, del 6 al 10 de Julio de 1992]. ISBN: 0792325427
- (12) 1992 **Bruzual A., G.** “New Models for the Spectral Evolution of Galaxies”, in *Highlights of Astronomy. Vol 9*, ed. J. Bergeron, (Dordrecht: Kluwer), 697. [Buenos Aires, Argentina, del 22 de Julio al 2 de Agosto de 1991]. ISBN: 0792319168
- (11) 1992 **Bruzual A., G.** “Isochrone Synthesis Spectral Evolution Models”, in *Proceedings of Workshop on Cosmology and Large Scale Structure in the Universe*, ed. R. R. de Carvalho, *Astr. Soc. Pac. Conference Series*, **24**, 43-60. [Río de Janeiro, Brasil, del 15 al 18 de Julio de 1991]. ISBN: 0937707430
- (10) 1992 **Bruzual A., G.** “Evolutionary Population Synthesis”, in *Proceedings of the IAU Symposium No. 149 “The Stellar Populations of Galaxies”*, eds. B. Barbuy and A. Renzini, (Dordrecht: Kluwer), p. 311-320. [Angra dos Reis, Brasil, del 5 al 9 de Agosto de 1991]. ISBN: 0792316983
- (9) 1990 **Bruzual A., G.** “Extracting Cosmological and Evolutionary Parameters from Distant Galaxy Observations”, in *Proceedings of “Evolution of the Universe of Galaxies: Edwin Hubble Centennial Symposium”*, ed. R. G. Kron, *Astr. Soc. Pac. Conference Series*, **10**, 185-199. [Berkeley, California, USA, del 21 al 23 de Junio de 1989]. ISBN: 0937707287
- (8) 1989 **Bruzual A., G.** “On the Interpretation of Galaxy Counts, and Color and Redshift Distributions”, in *Proceedings of the NATO Advanced Research Workshop “The Epoch of Galaxy Formation”*, eds. C. S. Frenk, R. S. Ellis, T. Shanks, A. F. Heavens, and J. A. Peacock, (Dordrecht: Kluwer), p. 363-366. [Durham, Reino Unido, del 18 al 22 de Julio de 1988]. ISBN: 079230148X
- (7) 1988 **Bruzual A., G.** “Galaxy Morphology at Large Redshift”, in *Proceedings of the 1987 Erice Advanced School of Astronomy “Toward Understanding Galaxies at Large Redshift”*, eds. R. G. Kron and A. Renzini, (Dordrecht: Reidel), p. 161-176. [Erice, Italia, del 1 al 10 de Junio de 1987]. ISBN: 9027726817

- (6) 1987 **Bruzual A., G.** “Stellar Populations in Distant Galaxies”, in *Proceedings of the 1986 Santa Cruz Astrophysics Workshop “Nearly Normal Galaxies: From the Planck Time to Present”*, ed. S. M. Faber, (New York: Springer-Verlag), p. 265-275. [Santa Cruz, California, USA, del 21 de Julio al 1 de Agosto de 1986]. ISBN: 0387965211
- (5) 1986 **Bruzual A., G.** “Spectral Evolution of Galaxies”, in *Proceedings of the 1985 Erice Advanced School of Astronomy “Spectral Evolution of Galaxies”*, ed. C. Chiosi, (Dordrecht: Reidel), p. 263-282. [Erice, Italia, del 12 al 22 de Marzo de 1985]. ISBN: 9027721874
- (4) 1985 **Bruzual A., G.** “Spectral Evolution of Galaxies: Current Views”, in *Proceedings of the III Reunión Regional Latinoamericana de Astronomía*, Rev. Mex. Astron. Astrofis., 10, 55-68, . [Rio de Janeiro, Brasil, 28 de Noviembre al 3 de Diciembre de 1983]. ISSN: 0185-1101
- (3) 1985 **Bruzual A., G.** “Galaxy Photometry and Cosmology”, in *New Aspects of Galaxy Photometry, Proceedings of the Specialized Meeting of the Eight IAU European Regional Astronomy Meeting, Lecture Notes in Physics, 232*, ed. J. L. Nieto, (Springer-Verlag: Berlin), p. 187-192. [Toulouse, Francia, del 17 al 21 de Septiembre de 1984]. ISBN: 0387156577
- (2) 1984 **Bruzual A., G.** “Cosmology with the Space Schmidt Telescope: Galaxy Colors and Color Distributions”, in *IAU Colloquium No. 78, Astronomy with Schmidt-Type Telescopes*, ed. M. Cappaccioli, (Dordrecht: Reidel), p. 527-532. [Asiago, Italia, del 30 de Agosto a 2 de Septiembre de 1983]. ISBN: 9027717567
- (1) 1984 **Bruzual A., G.** “Stellar Synthesis Models of Galaxies”, in *Proceedings of the Rutherford Appleton Laboratory Workshop “Spectral Evolution of Galaxies”*, ed. P. M. Gondhalekar, (Chilton: RAL), p. 67-85. [Chilton, Didcot, Reino Unido, del 23 al 25 de Mayo de 1983].

## BOOKS

### CHAPTERS IN BOOKS

- (3) 2000 **Bruzual A., G.**, “Poblaciones Estelares en Galaxias Cercanas y Lejanas”, pp. 1-86, in “VI Escuela La Hechicera de Relatividad, Campos y Astrofísica”, eds. H. Rago y N. Pantoja. Universidad de Los Andes, Mérida, Venezuela, 272 pages. Coauthors : J. García Bellido y E. Roulet. ISBN: 9802928577.
- (2) 1999 **Bruzual A., G.**, “Stellar Population Synthesis Models at Low and High Redshift”, pp. 185-221, in “Galaxies at High Redshift”, eds. I. Pérez-Fournon, M. Balcells, F. Moreno-Insertis, and F. Sánchez. Cambridge: Cambridge University Press, 292 pages. Coauthors: R. S. Ellis, M. Dickinson, A. Franceschini, J. Bechtold, and K. C. Freeman. **astro-ph/0011094**. ISBN: 0521147425
- (1) 1987 **Bruzual A., G.**, “Galaxias y Cosmología”, pp. 88-138, in “Astronomía: Una Visión del Cosmos”. Cuadernos Lagoven, Caracas, Venezuela, 140 pages. Coauthors: F. Della Prugna, J. Stock y N. Calvet. ISBN: 9802591300.

### EDITION OF BOOKS

- (3) 2010 **Bruzual A., G.**, “Stellar Populations - Planning for the Next Decade”, Proceedings of the IAU Symposium No. 262. Cambridge: Cambridge University Press, 480 pages. Coeditor: S. Charlot. ISSN: 1743-9213
- (2) 2009 **Bruzual A., G.**, “Memorias de la XII Reunión Regional Latinoamericana de Astronomía”, Rev. Mex. Astron. Astrofis., Conf. Ser., Vol. 35. Coeditors: G. Magris y L. Carigi. ISSN: 0185-1101



- (1) 1982 **Bruzual A., G.**, “Memorias de la II Reunión Regional Latinoamericana de Astronomía”, Rev. Mex. Astron. Astrofis. Vol. 6. Coeditors: F. Fuenmayor y M. Peimbert. ISSN: 0185-1101

#### MONOGRAPHY

- (1) 1981 **Bruzual A., G.** “Spectral Evolution of Galaxies”, *Ph.D. Thesis*, University of California, Berkeley, p. 1-217. COTA: 308t/1981/177.

#### FIVE MORE RELEVANT REFEREED ARTICLES:

- (5) 2003 **Bruzual A., G.**, and Charlot, S. “Stellar Population Synthesis at the Resolution of 2003”, *Mon. Not. Royal Astron. Soc.*, **344**, 1000-1028. **(3386 citations)**  
This article was selected in 2009 by Thomson Reuters Essential Science Indicators SM as the most cited article in the area of Stellar Population Synthesis. A note appeared in the web page of Thomson Reuters Science Watch on 11/01/2009:  
<http://sciencewatch.com/dr/fmf/2009/09novfmf/09novfmfBruzET/>
- (4) 1993 **Bruzual A., G.**, and Charlot S. “Spectral Evolution of Stellar Populations Using Isochrone Synthesis”, *Astrophys. Journal*, **405**, 538-553. **(1776 citations)**
- (3) 1983 **Bruzual A., G.** “Spectral Evolution of Galaxies. I. Early-Type Systems”, *Astrophys. Journal*, **273**, 105-127. **(516 citations)**
- (2) 1991 Charlot S. and **Bruzual A., G.** “Stellar Population Synthesis Revisited”, *Astrophys. Journal*, **367**, 126-140. **(280 citations)**
- (1) 1980 **Bruzual A., G.**, and Kron, R. G. “On the Interpretation of Colors of Faint Galaxies”, *Astrophys. Journal*, **241**, 25-40. **(101 citations)**

**NUMBER OF CITATIONS: 9773** citations to my papers, **h-index = 33**

445 citations in year 2013	
828 citations in year 2012	
711 citations in year 2011	
797 citations in year 2010	
773 citations in year 2009	334 citations in year 1999
594 citations in year 2008	294 citations in year 1998
622 citations in year 2007	269 citations in year 1997
585 citations in year 2006	246 citations in year 1996
499 citations in year 2005	156 citations in year 1995
393 citations in year 2004	130 citations in year 1994
341 citations in year 2003	76 citations in year 1993
267 citations in year 2002	65 citations in year 1992
326 citations in year 2001	61 citations in year 1991
291 citations in year 2000	61 citations in year 1990
	771 citations before year 1990

Source: SAO/NASA Astrophysics Data System (ADS):  
[http://adsabs.harvard.edu/abstract\\_service.html](http://adsabs.harvard.edu/abstract_service.html)