

CURRICULUM VITAE

(as of 05/21/2013)

GUSTAVO BRUZUAL A.

Investigador Titular "C" de Tiempo Completo
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PERSONAL DATA

Full Name: Gustavo Ramón Bruzual Alfonzo
Born: Caracas, Venezuela, May 21st 1949
Nationality: Venezuela
Status: Married, two children
Passport: 024805328 (Venezuela)
Home address: Calle Reforma Agraria, No. 400-8, Fracc. El Pueblito, Morelia,
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EDUCATION

Graduate:

09/1973-12/1980: University of California, Berkeley, CA, EUA.
Title: M.A. (June 1975), Ph.D. in Astronomy (June 1981).
PhD thesis: Spectral Evolution of Galaxies.

Undergraduate:

09/1966-11/1970: Universidad Central de Venezuela, Caracas, Facultad de Ciencias, Escuela de Física, Matemáticas y Computación (semesters 1 to 6 of the Physics major).
02/1971-08/1973: Universidad Nacional Autónoma de México, México, Facultad de Ciencias, (semesters 7 to 10 of the Physics major).
Title: Físico (August 1973).
Thesis: Colapso Gravitacional.

High School:

09/1961-07/1962: Liceo Andrés Bello, Caracas, Venezuela.
09/1962-07/1966: Colegio Moral y Luces Herzl-Bialik, Caracas, Venezuela.

ACADEMIC POSITIONS

- 2012- : Investigador Ord. de Carrera Titular C de T.C., CRyA, UNAM, Morelia, México
2011-2012: Investigador Titular C de Tiempo Completo, CRyA, UNAM, Morelia, México
2010-2011: Investigador Titular A de Tiempo Completo, CRyA, UNAM, Morelia, México
2010- : Investigador Titular Jubilado, CIDA, Mérida, Venezuela
2008-2010: Investigador Titular II a Dedicación Exclusiva, CIDA, Mérida, Venezuela
1992-2007: Investigador Titular I a Dedicación Exclusiva, CIDA, Mérida, Venezuela
1988-1991: Investigador Asociado a Dedicación Exclusiva, CIDA, Mérida, Venezuela
1984-1987: Investigador Agregado a Dedicación Exclusiva, CIDA, Mérida, Venezuela
1981-1983: Investigador Asistente a Dedicación Exclusiva, CIDA, Mérida, Venezuela
1979-1980: Research Assistant, Dept. of Astronomy, Univ. of California, Berkeley, CA, USA
1979-1980: Teaching Assistant, Dept. of Astronomy, Univ. of California, Berkeley, CA, USA
1973-1978: Fellowship from CONICIT (Venezuela) during PhD studies in Astronomy in the University of California, Berkeley, CA, USA
1990- : Profesor *ad honorem* del Postgrado de Física Fundamental, ULA, Mérida, Venezuela
1987- : Profesor *ad honorem* del Postgrado de Física, UCV, Caracas, Venezuela

ADMINISTRATIVE POSITIONS

- 1985-2006: Presidente de la Fundación CIDA.
1983-1985: Vicepresidente de la Fundación CIDA.
1984-2010: Investigador Responsable de la Biblioteca de la Fundación CIDA.
1984-1993: Investigador Responsable de los Servicios de Cómputo de la Fundación CIDA.
1990-1992: Director Suplente de la Junta Directiva de Fundacite Mérida.
1992-1996: Director Principal de la Junta Directiva de Fundacite Mérida.
1996-2000: Director Suplente de la Junta Directiva de Fundacite Mérida.

PRIZES AND DISTINCTIONS

- Miembro del Sistema Nacional de Investigadores, en la Categoría Investigador Nacional Nivel III (2013-2017). SNI No. 55813.
Miembro del Sistema de Promoción del Investigador en la Categoría de Investigador Nivel IV (2004-2008, 2009-2011). PPI No. 0964.
Miembro del Sistema de Promoción del Investigador en la Categoría de Investigador Nivel III (1996-2003). PPI No. 0964.
Miembro del Sistema de Promoción del Investigador en la Categoría de Investigador Nivel II (1990-1996). PPI No. 0964.
Individuo de Número de la Academia de Mérida (Sillón 14, Ciencias Físicas), Febrero 1995.
“Orden al Mérito en el Trabajo, Primera Clase”, Ejecutivo Nacional, Caracas, Venezuela, Septiembre 1992.
“Associate of the Royal Astronomical Society in Recognition of Leadership in Astronomy”, Royal Astronomical Society, Londons, UK, Marzo 1991.
“Premio Fundación Polar Lorenzo Mendoza Fleury”, año 1987. Especialidad: Física. Caracas, Venezuela.
“Outstanding Teaching Assistant Award”, año escolar 1977 - 1978, Department of Astronomy, University of California, Berkeley, CA, EUA.
“Dorothea Klumpe Roberts Award for Outstanding Research in Astronomy”, Junio 1979, Department of Astronomy, University of California, Berkeley, CA, EUA.

ORGANIZER OF THE FOLLOWING INTERNATIONAL SCIENTIFIC MEETINGS:

- 2013: Member of the Scientific Organizing Committee of the Meeting “Frontiers in Contemporary Astrophysics” (Morelia, México, 18-20 Marzo).
- 2012: Member of the Scientific Organizing Committee of the LV Congreso Nacional de Física, (Morelia, México, 8-12 Octubre).
- 2011: Member of the Scientific Organizing Committee of the Symposium No. 284 of the International Astronomical Union “The Spectral Energy Distribution of Galaxies”, (Preston, UK).
- 2009: President of the Scientific Organizing Committee and Coeditor of the Proceedings of the Symposium 262 International Astronomical Union “Stellar Populations: Planning for the Next Decade”, (Rio de Janeiro, Brasil).
- 2007: Member of the Scientific Organizing Committee and Coeditor of the Proceedings of the Meeting XII Reunión Regional Latinoamericana de Astronomía, sponsored by the International Astronomical Union (Margarita, Venezuela).
- 2006: Member of the Scientific Organizing Committee of the Symposium No. 241 International Astronomical Union “Stellar Populations as Building Blocks of Galaxies”, (La Palma, España).
- 2005: Member of the Scientific Organizing Committee of the Meeting XI Reunión Regional Latinoamericana de Astronomía, sponsored by the International Astronomical Union (Pucón, Chile).
- 2001: Member of the Scientific Organizing Committee of the VII Escuela La Hechicera de Relatividad, Campos y Astrofísica, (Mérida, Venezuela).
- 1999: Member of the Scientific Organizing Committee of the V Escuela La Hechicera de Relatividad, Campos y Astrofísica, (Mérida, Venezuela).
- 1998: Member of the Scientific Organizing Committee of the Meeting IX Reunión Regional Latinoamericana de Astronomía, sponsored by the International Astronomical Union (Tonantzintla, México).
- 1992: Member of the Scientific Organizing Committee of the Meeting VII Reunión Regional Latinoamericana de Astronomía, sponsored by the International Astronomical Union (Viña del Mar, Chile).
- 1991: Member of the Scientific Organizing Committee of the Symposium 149 International Astronomical Union “The Stellar Populations of Galaxies”, (Rio de Janeiro, Brasil).
- 1985: Member of the Scientific Organizing Committee of the Meeting V Reunión Regional Latinoamericana de Astronomía, sponsored by the International Astronomical Union (Mérida, México).
- 1981: Member of the Scientific Organizing Committee of the and Coeditor of the Proceedings of the Meeting II Reunión Regional Latinoamericana de Astronomía, sponsored by the International Astronomical Union (Mérida, Venezuela).

REFEREE**Referee for the following specialized journals:**

The Astrophysical Journal
 Astronomy and Astrophysics
 Nature
 Monthly Notices of the Royal Astronomical Society
 Revista Mexicana de Astronomía y Astrofísica
 Astrophysics and Space Science (Member of Editorial Board)

Referee of observing proposals for the following organizations:

Canada-France-Hawaii Telescope Corporation (CFHT)
Cerro Tololo Interamerican Observatory (CTIO)
European Southern Observatory (ESO)
Hubble Space Telescope (HST, Galaxy and Clusters Panel)
Observatorios del Instituto de Astrofísica de Canarias (IAC)
Kitt Peak National Observatory (KPNO)

Referee of research projects for the following organizations:

CONICIT (Venezuela).
CDCHT (ULA, Venezuela).
CICyT (España).
CONICYT (Chile).
FONDECYT (Chile).
CONACYT (México).
Consiglio Nazionale delle Ricerche (Italia).
Proponente de Candidatos al Premio “Fundación Polar Lorenzo Mendoza Fleury”.
Miembro del Comité de Selección del Premio “Fundación Polar Lorenzo Mendoza Fleury.”
Miembro del Comité Ejecutivo de la Comisión 28 de la International Astronomical Union (IAU)
Coordinador Red Latinoamericana de Astronomía (RELAA, 1998-2001)
Miembro de la Comisión de Ciencias Físicas, Químicas y Matemáticas del SPI (1999-2000)
Member of the International Selection Committee for the 2009 Bower Award and Prize for
Achievement in Science

MEMBERSHIP IN SCIENTIFIC SOCIETIES

American Astronomical Society (AAS)
Royal Astronomical Society (RAS)
International Astronomical Union (IAU)
Asociación Venezolana para el Avance de la Ciencia (AsoVAC)
Asociación Venezolana de Astronomía (AVA)
Sociedad Venezolana de Física (SVF)
Sociedad Mexicana de Física (SMF)

FORMATION OF HUMAN RESOURCES**Supervisor of the following theses****PhD:**

- (6) 2013 Ramírez, Víctor Hugo, “Poblaciones Estelares en las Primeras Galaxias”, CRyA, Universidad Nacional Autónoma de México, Morelia, México. Not finished yet.
- (5) 2013 Hernández, Fabiola, “Síntesis de Poblaciones Estelares Incluyendo Evolución de Estrellas Binarias”, Universidad de Los Andes, Facultad de Ciencias, Departamento de Física, Postgrado de Física Fundamental. Not finished yet.
- (4) 2013 Mateu, Juan, “Parámetros Físicos que Rigen la Formación Estelar en Galaxias con Líneas de Emisión”, Universidad de Los Andes, Facultad de Ciencias, Departamento de Física, Postgrado de Física Fundamental. Not finished yet.
- (3) 2003 Bongiovanni, Angel, “Estructura a Gran Escala de la Tasa de Formación Estelar en el Universo Local”, Universidad Central de Venezuela, Facultad de Ciencias, Escuela de Física y Matemáticas, Departamento de Física.
- (2) 1993 Carigi D., Leticia, “Evolución Química de la Vecindad Solar Considerando Rendimientos Químicos Estelares Dependientes de la Metalicidad”, Universidad Central de Venezuela, Facultad de Ciencias, Escuela de Física y Matemáticas, Departamento de Física.
- (1) 1993 Magris C., Gladis, “Síntesis de Poblaciones Estelares: El Exceso Ultravioleta en Galaxias Elípticas y el Espectro de Líneas de Emisión en Galaxias con Formación Estelar”, Universidad Central de Venezuela, Facultad de Ciencias, Escuela de Física y Matemáticas, Departamento de Física.

Master:

- (2) 2013 Durán, Edison, “Incorporación de Modelos Non-LTE de Atmósferas de Estrellas Calientes a Modelos de Síntesis de Poblaciones Estelares”, Universidad Central de Venezuela, Facultad de Ciencias, Escuela de Física y Matemáticas, Departamento de Física. Not finished yet.
- (1) 2000 Rengel, Miriam, “Estimación de la Edad de Cúmulos Globulares a partir del Diagrama Color Magnitud”, Universidad de Los Andes, Facultad de Ciencias, Departamento de Física, Postgrado de Física Fundamental.

Senior Physics:

- (6) 2011 Rojas, Eliceth, “Análisis de espectros UV de estrellas O en las Nubes de Magallanes obtenidos con FUSE”, Universidad Central de Venezuela, Facultad de Ciencias, Escuela de Física y Matemáticas, Departamento de Física.
- (5) 2007 Hernández, Fabiola, “Origen de la Radiación Ultravioleta en Galaxias Elípticas”, Universidad del Zulia, Facultad Experimental de Ciencias, Departamento de Física.
- (4) 1995 Vivas M., Anna Katherina, “Descomposición Fotométrica Multicolor de Galaxias Barradas”, Universidad de Los Andes, Facultad de Ciencias, Departamento de Física.
- (3) 1988 Scorza D., Cecilia, “Fotometría Fotográfica de 19 Galaxias Elípticas en el Cúmulo de Virgo”, Universidad de Los Andes, Facultad de Ciencias, Departamento de Física.
- (2) 1988 Volcanes, Alexander, “Un Paquete para el Procesamiento de Imágenes Digitalizadas”, Universidad de Los Andes, Facultad de Ingeniería.
- (1) 1985 Magris C., Gladis, “Efecto del Polvo Interestelar en el Espectro de una Galaxia”, Universidad Simón Bolívar, Departamento de Física.

PUBLICATIONS

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 α -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
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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
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