R. Galván-Madrid, & P. D'Alessio, 229

Anguiano, O. 3D visualization of evolutionary diagrams for quasars in the parameters space 4DE1. *O. Anguiano, E. Jiménez-Bailón, D. Dultzin, A. Negrete, P. Marziani, & J. Sulentic*, 42

Anguita, T. Galaxy Scale Lenses in the RCS2. *T. Anguita*, 111

Antoja, T. Kinematic structures in galactic disc simulations. *S. Roca-Fàbrega, M. Romero-Gómez, F. Figueras, T. Antoja, & O. Valenzuela*, 130

Antoja, T. Modelling the inner parts of the Milky Way using invariant manifolds. *M. Romero-Gomez, E. Athanassoula, T. Antoja, F. Figueras, O. Valenzuela, & B. Pichardo*, 92

Araudo, A. T. Analysis of the spectral energy distribution from a runaway star bow shock. *C. S. Peri, A. T. Araudo, P. Benaglia, G. E. Romero, & J. Martí*, 156

Arellano Ferro, A. The Globular Cluster NGC 6981: Variable stars population, physical parameters and astrometry. *R. Figuera Jaimes, A. Arellano Ferro, D. M. Bramich, & S. Giridhar*, 235

Aretxaga, I. Identification of high-z galaxies through submillimetre drop-outs. *E. Aguilar, I. Aretxaga, D. H. Hughes, G. Wilson, K. S. Scott, & AzTEC/ASTE Team*, 110

Aretxaga, I. Studying the properties of massive galaxies in protoclusters using millimetre-wavelength observations. *M. Zeballos, D. H. Hughes, I. Aretxaga, & G. Wilson*, 108

Arrieta, A. NGC 6826: a unified study of the planetary nebula and its central stars. *C. R. Fierro, A. Peimbert, L. Georgiev, C. Morisset, & A. Arrieta*, 167

Arshakian, T. G. Correlations between radio emission of the parsec-scale jet and optical nuclear emission of host AGN. *J. Torrealba, T. G. Arshakian, V. Chavushyan, & I. Cruz-González*, 98

Arthur, S. J. X-Ray Emission from interstellar bubbles around Wolf-Rayet stars. *J. A. Toalá & S. J. Arthur*, 185

Artigau, E. VVV study of the young Milky Way star clusters: Mercer 35, 69 and 70. *F. Peñaloza et al.*, 284

Athanassoula, E. Modelling the inner parts of the Milky Way using invariant manifolds. *M. Romero-Gomez, E. Athanassoula, T. Antoja, F. Figueras, O. Valenzuela, & B. Pichardo*, 92

Athanassoula, E. Properties of bars in spiral galaxies from COSMOS. *I. Hernández-López, E. Recillas, R. Mújica-García, & E. Athanassoula*, 121

Avila-Reese, V. Seeding the local disk galaxy population. *A. Rodríguez-Puebla, V. Avila-Reese, C. Firmani, & P. Colín*, 84

Avila-Reese, V. The Cosmic Star Formation History. *M. A. Muñoz-Gutiérrez & V. Avila-Reese*, 23

Avila-Reese, V. The dark and stellar mass assembly of galaxies. *V. Avila-Reese & C. Firmani*, 27

Ayala, S. Kinematical study of the planetary nebula NGC 6058. *P. F. Guillén, R. Vázquez, S. Zavala, L. F. Miranda, M. E. Contreras, S. Ayala, & S. Gil*, 191

Banerjee, R. Time Variability in Simulated Ultracompact and Hypercompact H II Regions. *R. Galván-Madrid, T. Peters, E. R. Keto, M.-M. Mac Low, R. Banerjee, & R. S. Klessen*, 273

Basilakos, S. Constraining the Dark Energy Equation of State Using Alternative Cosmic Tracers. *R. Chávez, R. Terlevich, E. Terlevich, F. Bresolin, J. Melnick, M. Plionis, & S. Basilakos*, 9

Batta, A. 3D Collapse and Accretion in Slowly Rotating Polytropes. *A. Batta & W. H. Lee*, 155

Beaklini, P. P. B. SgrA* emission at 7 mm. *P. P. B. Beaklini & Z. Abraham*, 112

Beamin, J. C. VISTA Variables in the Vía Láctea (VVV): first results and perspectives. *R. K. Saito et al.*, 221

Beckman, J. E. The HII regions of M51 and NGC 4449. Behavior of the mean electron density. *L. Gutiérrez & J. E. Beckman*, 192

Benaglia, P. Analysis of the spectral energy distribution from a runaway star bow shock. *C. S. Peri, A. T. Araudo, P. Benaglia, G. E. Romero, & J. Martí*, 156

Benaglia, P. Radio emission from massive protostellar objects. *P. Benaglia*, 211

Benítez, E. Long-Term Optical Photopolarimetric Monitoring of Blazars at San Pedro Mártir. *E. Benítez et al.*, 44

Benítez, E. Polarimetric Monitoring of Blazars at San Pedro Mártir. *M. Sorcia et al.*, 131

Benítez Llambay, A. EFOSC2/NTT integrated spectroscopy of ten Magellanic Clouds' stellar clusters. *A. V. Ahumada, A. Benítez Llambay, J. F. C. Santos, Jr., J. J. Clariá, E. Bica, & A. E. Piatti*, 264

Bernal, C. G. Growing Magnetic Fields in Central Compact Objects. *C. G. Bernal & D. Page*, 149

Bertone, E. Line-Depth Indices and Atmospheric Parameters of Solar-like Stars in M67. *M. Chávez, C. Tapia-Schiavon, E. Bertone, J. B. Hernández-Águila, J. R. Valdés, & V. Chavushyan*, 114

Bertout, C. Determination of Kinematic Distances of Pre-Main Sequence Stars in Lupus. *P. Galli, R. Teixeira, C. Ducourant, & C. Bertout*, 272

Bica, E. EFOSC2/NTT integrated spectroscopy of ten Magellanic Clouds' stellar clusters. *A. V. Ahumada, A. Benítez Llambay, J. F. C. Santos, Jr., J. J. Clariá, E. Bica, & A. E. Piatti*, 264

Bica, E. VVV Pointed Search for New Galactic Open Clusters. *J. Borissova et al.*, 267