

Bibliography from ADS file: ballester.bib
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- Soler, R. & Ballester, J. L., “Theory of Fluid Instabilities in Partially Ionized Plasmas: An Overview”, 2022FrASS...9.9083S ADS
- Terradas, J., Soler, R., Oliver, R., et al., “Construction of coronal hole and active region magnetohydrostatic solutions in two dimensions: Force and energy balance”, 2022A&A...660A.136T ADS
- Luna, M., Terradas, J., Karpen, J., & Ballester, J. L., “Extension and validation of the pendulum model for longitudinal solar prominence oscillations”, 2022A&A...660A...54L ADS
- Ballester, J. L., Soler, R., Carbonell, M., & Terradas, J., “The first adiabatic exponent in a partially ionized prominence plasma: Effect on the period of slow waves”, 2021A&A...656A.159B ADS
- Terradas, J., Luna, M., Soler, R., et al., “One-dimensional prominence threads. I. Equilibrium models”, 2021A&A...653A..95T ADS
- Srivastava, A. K., Ballester, J. L., Cally, P. S., et al., “Chromospheric Heating by Magnetohydrodynamic Waves and Instabilities”, 2021JGRA...12629097S ADS
- Melis, L., Soler, R., & Ballester, J. L., “Alfvén wave heating in partially ionized thin threads of solar prominences”, 2021A&A...650A..45M ADS
- Soler, R., Terradas, J., Oliver, R., & Ballester, J. L., “Resonances in a Coronal Loop Driven by Torsional Alfvén Waves Propagating from the Photosphere”, 2021ApJ...909...190S ADS
- Zaqarashvili, T. V., Albekioni, M., Ballester, J. L., et al., “Rossby Waves in Astrophysics”, 2021SSRv...217...15Z ADS
- Ballester, J. L., Soler, R., Terradas, J., & Carbonell, M., “Nonlinear coupling of Alfvén and slow magnetoacoustic waves in partially ionized solar plasmas”, 2020A&A...641A..48B ADS
- Gachechiladze, T., Zaqarashvili, T. V., Gurgenchvili, E., et al., “Erratum: ‘Magneto-Rossby Waves in the Solar Tachocline and the Annual Variations in Solar Activity’ (2019, ApJ, 874, 162)”, 2020ApJ...895...149G ADS
- Gachechiladze, T., Zaqarashvili, T. V., Gurgenchvili, E., et al., “Magneto-Rossby Waves in the Solar Tachocline and the Annual Variations in Solar Activity”, 2019ApJ...874...162G ADS
- Soler, R., Terradas, J., Oliver, R., & Ballester, J. L., “Energy Transport and Heating by Torsional Alfvén Waves Propagating from the Photosphere to the Corona in the Quiet Sun”, 2019ApJ...871...3S ADS
- Terradas, J., Ballester, J.-L., Soler, R., Oliver, R., & Luna, M., “Dynamics and morphology of solar prominences from MHD simulations”, 2018cosp...42E3357T ADS
- Luna, M., Karpen, J., Ballester, J. L., et al., “GONG Catalog of Solar Filament Oscillations Near Solar Maximum”, 2018ApJS...236...35L ADS
- Arregui, I., Oliver, R., & Ballester, J. L., “Prominence oscillations”, 2018LRSP...15...3A ADS
- Ballester, J. L., Alexeev, I., Collados, M., et al., “Partially Ionized Plasmas in Astrophysics”, 2018SSRv...214...58B ADS
- Ballester, J. L., Carbonell, M., Soler, R., & Terradas, J., “The temporal behaviour of MHD waves in a partially ionized prominence-like plasma: Effect of heating and cooling”, 2018A&A...609A...6B ADS
- Gurgenchvili, E., Zaqarashvili, T. V., Kukhianidze, V., et al., “North-South Asymmetry in Rieger-type Periodicity during Solar Cycles 19-23”, 2017ApJ...845...137G ADS
- Soler, R., Terradas, J., Oliver, R., & Ballester, J. L., “Propagation of Torsional Alfvén Waves from the Photosphere to the Corona: Reflection, Transmission, and Heating in Expanding Flux Tubes”, 2017ApJ...840...20S ADS
- Zapiór, M., Oliver, R., Ballester, J. L., & Heinzel, P., “Synthetic Hydrogen Spectra of Oscillating Prominence Slabs Immersed in the Solar Corona”, 2016ApJ...827...131Z ADS
- Gurgenchvili, E., Zaqarashvili, T. V., Kukhianidze, V., et al., “Rieger-type Periodicity during Solar Cycles 14-24: Estimation of Dynamo Magnetic Field Strength in the Solar Interior”, 2016ApJ...826...55G ADS
- Soler, R., Terradas, J., Oliver, R., & Ballester, J. L., “The role of Alfvén wave heating in solar prominences”, 2016A&A...592A..28S ADS
- Ballester, J. L., Carbonell, M., Soler, R., & Terradas, J., “Prominence oscillations: Effect of a time-dependent background temperature”, 2016A&A...591A.109B ADS
- Terradas, J., Soler, R., Luna, M., et al., “Solar Prominences Embedded in Flux Ropes: Morphological Features and Dynamics from 3D MHD Simulations”, 2016ApJ...820...125T ADS
- Wedemeyer, S., Fleck, B., Battaglia, M., et al., “ALMA Observations of the Sun in Cycle 4 and Beyond”, 2016arXiv160100587W ADS
- Soler, R., Carbonell, M., & Ballester, J. L., “On the Spatial Scales of Wave Heating in the Solar Chromosphere”, 2015ApJ...810...146S ADS
- Zaqarashvili, T. V., Oliver, R., Hanslmeier, A., et al., “Long-term variation in the Sun’s activity caused by magnetic Rossby waves in the tachocline”, 2015ApJ...805L..14Z ADS
- Terradas, J., Soler, R., Oliver, R., & Ballester, J. L., “On the Support of Neutrals Against Gravity in Solar Prominences”, 2015ApJ...802L..28T ADS
- Soler, R., Goossens, M., & Ballester, J. L., “Prominence seismology using the period ratio of transverse thread oscillations”, 2015A&A...575A.123S ADS
- Terradas, J., Soler, R., Luna, M., Oliver, R., & Ballester, J. L., “Morphology and Dynamics of Solar Prominences from 3D MHD Simulations”, 2015ApJ...799...94T ADS
- Ballester, J. L., “Magnetism and Dynamics of Prominences: MHD Waves”, 2015ASSL...415...259B ADS
- Soler, R., Ballester, J. L., & Zaqarashvili, T. V., “Overdamped Alfvén waves due to ion-neutral collisions in the solar chromosphere”, 2015A&A...573A..79S ADS
- Ruderman, M. S., Terradas, J., & Ballester, J. L., “Rayleigh-Taylor Instabilities with Sheared Magnetic Fields”, 2014ApJ...785...110R ADS
- Heinzel, P., Zapiór, M., Oliver, R., & Ballester, J. L., “Synthetic hydrogen spectra of prominence oscillations”, 2014A&A...562A.103H ADS
- Zapiór, M., Heinzel, P., Oliver, R., Ballester, J. L., & Kotrč, P., “Non-LTE Modeling and Observations of Oscillating Prominences”, 2014IAUS...300...52Z ADS
- Soler, R., Oliver, R., & Ballester, J. L., “The damping of transverse oscillations of prominence threads: a comparative study”, 2014IAUS...300...48S ADS
- Ballester, J. L., “Prominence Seismology”, 2014IAUS...300...30B ADS
- Soler, R., Carbonell, M., & Ballester, J. L., “Magnetoacoustic Waves in a Partially Ionized Two-fluid Plasma”, 2013ApJS...209...16S ADS
- Terradas, J., Soler, R., Díaz, A. J., Oliver, R., & Ballester, J. L., “Magnetohydrodynamic Waves in Two-dimensional Prominences Embedded in Coronal Arcades”, 2013ApJ...778...49T ADS
- Díaz, A. J., Soler, R., Ballester, J. L., & Goossens, M., “Kelvin-Helmholtz and Rayleigh-Taylor instabilities in partially ionised prominences”, 2013hsa7.conf...776D ADS
- Soler, R., Carbonell, M., Ballester, J. L., & Terradas, J., “Alfvén Waves in a Partially Ionized Two-fluid Plasma”, 2013ApJ...767...171S ADS
- Soler, R., Díaz, A. J., Ballester, J. L., & Goossens, M., “Effect of partial ionization on wave propagation in solar magnetic flux tubes”, 2013A&A...551A..86S ADS
- Rial, S., Arregui, I., Terradas, J., Oliver, R., & Ballester, J. L., “Wave Leakage and Resonant Absorption in a Loop Embedded in a Coronal Arcade”, 2013ApJ...763...16R ADS
- Zaqarashvili, T. V., Carbonell, M., Ballester, J. L., & Khodachenko, M. L., “Cut-off wavenumber of Alfvén waves in partially ionized plasmas of the solar atmosphere”, 2012A&A...544A.143Z ADS
- Díaz, A. J., Soler, R., & Ballester, J. L., “Rayleigh-Taylor Instability in Partially Ionized Compressible Plasmas”, 2012ApJ...754...41D ADS
- Ballester, J. L., Arregui, I., Oliver, R., et al., “Prominence seismology using ground- and space-based observations”, 2012EAS...55...169B ADS
- Arregui, I., Ballester, J., Goossens, M., Oliver, R., & Ramos, A., “Inversion of Physical Parameters in Solar Coronal Magnetic Structures”, 2012ASPC...456...121A ADS
- Arregui, I., Ballester, J. L., Oliver, R., Soler, R., & Terradas, J., “Prominence Seismology”, 2012ASPC...455...211A ADS
- Terradas, J., Oliver, R., & Ballester, J. L., “The role of Rayleigh-Taylor instabilities in filament threads”, 2012A&A...541A.102T ADS
- Arregui, I., Oliver, R., & Ballester, J. L., “Prominence Oscillations”, 2012LRSP...9...2A ADS
- Soler, R., Díaz, A. J., Ballester, J. L., & Goossens, M., “Kelvin-Helmholtz Instability in Partially Ionized Compressible Plasmas”, 2012ApJ...749...163S ADS
- Soler, R., Ballester, J. L., & Parenti, S., “Stability of thermal modes in cool prominence plasmas”, 2012A&A...540A...7S ADS
- Soler, R. & Ballester, J. L., “Magnetohydrodynamic Waves in Partially Ionized Prominence Plasmas”, 2012ASSP...33...111S ADS
- Zaqarashvili, T. V., Oliver, R., Ballester, J. L., et al., “Polar spots in rapidly rotating stars: stellar wind and evolution of exoplanets”, 2011epsc.conf...236Z ADS
- Díaz, A. J., Oliver, R., Ballester, J. L., & Soler, R., “Twisted magnetic tubes with field aligned flow. I. Linear twist and uniform longitudinal field”, 2011A&A...533A..95D ADS
- Arregui, I., Soler, R., Ballester, J. L., & Wright, A. N., “Magnetohydrodynamic kink waves in two-dimensional non-uniform prominence threads”, 2011A&A...533A..60A ADS
- Zaqarashvili, T. V., Oliver, R., Ballester, J. L., et al., “Rossby waves and polar spots in rapidly rotating stars: implications for stellar wind evolution”, 2011A&A...532A.139Z ADS
- Arregui, I. & Ballester, J. L., “Damping Mechanisms for Oscillations in Solar Prominences”, 2011SSRv...158...169A ADS
- Soler, R., Ballester, J. L., & Goossens, M., “The Thermal Instability of Solar Prominence Threads”, 2011ApJ...731...39S ADS

- Soler, R., Oliver, R., & Ballester, J. L., “Spatial Damping of Propagating Kink Waves in Prominence Threads”, 2011ApJ...726..102S [ADS](#)
- Barceló, S., Carbonell, M., & Ballester, J. L., “Time damping of non-adiabatic magnetohydrodynamic waves in a partially ionised prominence medium: Effect of a background flow”, 2011A&A...525A..60B [ADS](#)
- Díaz, A. J., Oliver, R., & Ballester, J. L., “Prominence Thread Seismology Using the $P_{1/2P_{2/2}}$ Ratio”, 2010ApJ...725..1742D [ADS](#)
- Zaqarashvili, T. V., Carbonell, M., Oliver, R., & Ballester, J. L., “Quasi-biennial Oscillations in the Solar Tachocline Caused by Magnetic Rossby Wave Instabilities”, 2010ApJ...724L..95Z [ADS](#)
- Soler, R., Arregui, I., Oliver, R., & Ballester, J. L., “Seismology of Standing Kink Oscillations of Solar Prominence Fine Structures”, 2010ApJ...722..1778S [ADS](#)
- Ballester, J. L., “The damping of small-amplitude oscillations in quiescent prominences”, 2010AdSpR...46..364B [ADS](#)
- Luna, M., Terradas, J., Oliver, R., & Ballester, J. L., “Transverse Oscillations of a Multi-stranded Loop”, 2010ApJ...716.1371L [ADS](#)
- Zaqarashvili, T. V., Díaz, A. J., Oliver, R., & Ballester, J. L., “Instability of twisted magnetic tubes with axial mass flows”, 2010A&A...516A..84Z [ADS](#)
- Carbonell, M., Forteza, P., Oliver, R., & Ballester, J. L., “The spatial damping of magnetohydrodynamic waves in a flowing partially ionised prominence plasma”, 2010A&A...515A..80C [ADS](#)
- Mackay, D. H., Karpen, J. T., Ballester, J. L., Schmieder, B., & Aulanier, G., “Physics of Solar Prominences: II-Magnetic Structure and Dynamics”, 2010SSRv...151..333M [ADS](#)
- Rial, S., Arregui, I., Terradas, J., Oliver, R., & Ballester, J. L., “Three-dimensional Propagation of Magnetohydrodynamic Waves in Solar Coronal Arcades”, 2010ApJ...713..651R [ADS](#)
- Soler, R., Terradas, J., Oliver, R., Ballester, J. L., & Goossens, M., “Kelvin-Helmholtz Instability in Coronal Magnetic Flux Tubes due to Azimuthal Shear Flows”, 2010ApJ...712..875S [ADS](#)
- Soler, R., Oliver, R., & Ballester, J. L., “Time damping of non-adiabatic magnetohydrodynamic waves in a partially ionized prominence plasma: effect of helium”, 2010A&A...512A..28S [ADS](#)
- Zaqarashvili, T. V., Carbonell, M., Oliver, R., & Ballester, J. L., “Magnetic Rossby Waves in the Solar Tachocline and Rieger-Type Periodicities”, 2010ApJ...709..749Z [ADS](#)
- Rial, S., Arregui, I., Terradas, J., Oliver, R., & Ballester, J. L., “The Temporal Evolution of Linear Fast and Alfvén MHD Waves in Solar Coronal Arcades”, 2010ASSP...14..459R [ADS](#)
- Arregui, I., Terradas, J., Oliver, R., & Ballester, J. L., “The Sun and the Solar System”, 2010ASSP...14..446A [ADS](#)
- Soler, R., Oliver, R., & Ballester, J. L., “Resonantly Damped Kink Magnetohydrodynamic Waves in a Partially Ionized Filament Thread”, 2009ApJ...707..662S [ADS](#)
- Arregui, I., Terradas, J., Oliver, R., & Ballester, J. L., “Damping of Fast Magnetohydrodynamic Oscillations in Quiescent Filament Threads”, 2009ASPC...415...71A [ADS](#)
- Lin, Y., Soler, R., Engvold, O., et al., “Swaying Threads of a Solar Filament”, 2009ApJ...704..870L [ADS](#)
- Goossens, M., Terradas, J., Andries, J., Arregui, I., & Ballester, J. L., “On the nature of kink MHD waves in magnetic flux tubes”, 2009A&A...503..213G [ADS](#)
- Soler, R., Oliver, R., & Ballester, J. L., “Magnetohydrodynamic Waves in a Partially Ionized Filament Thread”, 2009ApJ...699.1553S [ADS](#)
- Goossens, M., Terradas, J., Andries, J., Arregui, I., & Ballester, J., “The Nature of Kink MHD Waves in Magnetic Flux Tubes”, 2009SPD...40..1306G [ADS](#)
- Carbonell, M., Oliver, R., & Ballester, J. L., “Time damping of non-adiabatic MHD slow and thermal waves in a prominence medium: Effect of a background flow”, 2009NewA...14..277C [ADS](#)
- Soler, R., Oliver, R., & Ballester, J. L., “Attenuation of small-amplitude oscillations in a prominence corona model with a transverse magnetic field”, 2009NewA...14..238S [ADS](#)
- Soler, R., Oliver, R., Ballester, J. L., & Goossens, M., “Damping of Filament Thread Oscillations: Effect of the Slow Continuum”, 2009ApJ...695L.166S [ADS](#)
- Soler, R., Oliver, R., & Ballester, J. L., “Propagation of Nonadiabatic Magnetoacoustic Waves in a Threaded Prominence With Mass Flows”, 2009ApJ...693.1601S [ADS](#)
- Luna, M., Terradas, J., Oliver, R., & Ballester, J. L., “Transverse Oscillations of Systems of Coronal loops”, 2009ApJ...692.1582L [ADS](#)
- Zaqarashvili, T. V., Oliver, R., & Ballester, J. L., “Global Shallow Water Magnetohydrodynamic Waves in the Solar Tachocline”, 2009ApJ...691L..41Z [ADS](#)
- Forteza, P., Oliver, R., & Ballester, J. L., “Time damping of non-adiabatic MHD waves in an unbounded partially ionised prominence plasma”, 2008A&A...492..223F [ADS](#)
- Terradas, J., Andries, J., Goossens, M., et al., “Nonlinear Instability of Kink Oscillations due to Shear Motions”, 2008ApJ...687L.115T [ADS](#)
- Luna, M., Terradas, J., Oliver, R., & Ballester, J. L., “Collective Normal Modes of Ensembles of Magnetic Tubes: Applications to Coronal Arcades and Multi-Stranded Loops”, 2008ESPM...12.3.60L [ADS](#)
- Soler, R., Oliver, R., & Ballester, J. L., “Nonadiabatic Magnetohydrodynamic Waves in a Cylindrical Prominence Thread with Mass Flow”, 2008ApJ...684..725S [ADS](#)
- Ballester, J. L., “Oscillations in coronal structures: Recent Progress”, 2008AIPC.1043..284B [ADS](#)
- Arregui, I., Terradas, J., Oliver, R., & Ballester, J. L., “Damping of Fast Magnetohydrodynamic Oscillations in Quiescent Filament Threads”, 2008ApJ...682L.141A [ADS](#)
- Terradas, J., Arregui, I., Oliver, R., et al., “Resonant Absorption in Complicated Plasma Configurations: Applications to Multistranded Coronal Loop Oscillations”, 2008ApJ...679.1611T [ADS](#)
- Goossens, M., Arregui, I., Ballester, J. L., & Wang, T. J., “Analytic approximate seismology of transversely oscillating coronal loops”, 2008A&A...484..851G [ADS](#)
- Soler, R., Oliver, R., & Ballester, J. L., “Attenuation of non-adiabatic oscillations in a cartesian prominence fibril”, 2008IAUS...247..173S [ADS](#)
- Díaz, A. J., Oliver, R., & Ballester, J. L., “Influence of longitudinal structure in the fast modes of prominence threads”, 2008IAUS...247..167D [ADS](#)
- Arregui, I., Terradas, J., Oliver, R., & Ballester, J. L., “Damped oscillations of two interacting coronal loops”, 2008IAUS...247..133A [ADS](#)
- Terradas, J., Arregui, I., Oliver, R., & Ballester, J. L., “Resonant absorption in multi-stranded coronal loops”, 2008IAUS...247..116T [ADS](#)
- Terradas, J., Arregui, I., Oliver, R., & Ballester, J. L., “Transverse Oscillations of Flowing Prominence Threads Observed with Hinode”, 2008ApJ...678L.153T [ADS](#)
- Arregui, I., Ballester, J. L., & Goossens, M., “On the Scaling of the Damping Time for Resonantly Damped Oscillations in Coronal Loops”, 2008ApJ...676L..77A [ADS](#)
- Luna, M., Terradas, J., Oliver, R., & Ballester, J. L., “Transverse Oscillations of Two Coronal Loops”, 2008ApJ...676..717L [ADS](#)
- Terradas, J., Oliver, R., Ballester, J. L., & Keppens, R., “On the Properties of Low- β Magnetohydrodynamic Waves in Curved Coronal Fields”, 2008ApJ...675..875T [ADS](#)
- Arregui, I., Terradas, J., Oliver, R., & Ballester, J. L., “The Resonant Damping of Fast Magnetohydrodynamic Oscillations in a System of Two Coronal Slabs”, 2008ApJ...674.1179A [ADS](#)
- Carbonell, M., Terradas, J., Oliver, R., & Ballester, J. L., “The statistical significance of the North-South asymmetry of solar activity revisited”, 2007A&A...476..951C [ADS](#)
- Arregui, I., Terradas, J., Oliver, R., & Ballester, J. L., “Resonantly Damped Surface and Body MHD Waves in a Solar Coronal Slab with Oblique Propagation”, 2007SoPh...246..213A [ADS](#)
- Soler, R., Oliver, R., & Ballester, J. L., “Oscillatory Modes of a Prominence PCTR Corona Slab Model”, 2007SoPh...246..73S [ADS](#)
- Ballester, J. L., Erdélyi, R., Hood, A. W., Leibacher, J. W., & Nakariakov, V. M., “Preface: A Topical Issue in Honor of Professor Bernard Roberts”, 2007SoPh...246...1B [ADS](#)
- Arregui, I., Luna, M., Oliver, R., Terradas, J., & Ballester, J. L., “Transverse Oscillations in Coronal Loops”, 2007AIPC...934...54A [ADS](#)
- Soler, R., Oliver, R., & Ballester, J. L., “The effect of the solar corona on the attenuation of small-amplitude prominence oscillations. I. Longitudinal magnetic field”, 2007A&A...471.1023S [ADS](#)
- Zaqarashvili, T. V., Oliver, R., Ballester, J. L., & Shergelashvili, B. M., “Rossby waves in “shallow water” magnetohydrodynamics”, 2007A&A...470..815Z [ADS](#)
- Arregui, I., Terradas, J., Oliver, R., & Ballester, J. L., “The influence of the internal structuring of coronal loops on the properties of their damped transverse oscillations”, 2007A&A...466.1145A [ADS](#)
- Ballester, J. L., “MHD Coronal Seismology”, 2007AIPC...895..125B [ADS](#)
- Ballester, J. L., “The Solar Corona”, 2007RoAJ...17S..11B [ADS](#)
- Forteza, P., Oliver, R., Ballester, J. L., & Khodachenko, M. L., “Damping of oscillations by ion-neutral collisions in a prominence plasma”, 2007A&A...461..731F [ADS](#)
- Ballester, J. L., “Solar Corona Seismology”, in A. Ulla and M. Mantega (Eds.), Lecture Notes and Essays in Astrophysics, Vol. 2, 91–110 2006LNEA...2...91B [ADS](#)
- Carbonell, M., Terradas, J., Oliver, R., & Ballester, J. L., “Spatial damping of linear non-adiabatic magnetoacoustic waves in a prominence medium”, 2006A&A...460..573C [ADS](#)
- Terradas, J., Oliver, R., & Ballester, J. L., “Damping of Kink Oscillations in Curved Coronal Loops”, 2006ApJ...650L..91T [ADS](#)
- Luna, M., Terradas, J., Oliver, R., & Ballester, J. L., “Fast magnetohydrodynamic waves in a two-slab coronal structure: collective behaviour”, 2006A&A...457.1071L [ADS](#)

- Zaqarashvili, T. V., Oliver, R., & Ballester, J. L., "Spectral line width decrease in the solar corona: resonant energy conversion from Alfvén to acoustic waves", 2006A&A...456L...13Z ADS
- Díaz, A. J., Oliver, R., & Ballester, J. L., "Fast Magnetohydrodynamic Oscillations in Coronal Loops with Heating Profiles", 2006ApJ...645..766D ADS
- Terradas, J., Oliver, R., & Ballester, J. L., "Damped Coronal Loop Oscillations: Time-dependent Results", 2006ApJ...642..533T ADS
- Ballester, J. L., "Seismology of Prominence-Fine structures: Observations and Theory", 2006SSRv...122..129B ADS
- Terradas, J., Oliver, R., & Ballester, J. L., "Excitation and damping of disturbances in cylindrical coronal loops", 2006RSPTA.364..547T ADS
- Ballester, J. L., "Recent progress in prominence seismology", 2006RSPTA.364..405B ADS
- Khodachenko, M. L., Arber, T. D., Ballester, J. L., & et al., "Solar/ heliospheric dynamics and magnetism. Solar vision 2015-2025", 2005ESASP.588..379K ADS
- Ballester, J. L., "Theoretical Advances in Prominence Seismology", 2005SSRv...121..105B ADS
- Terradas, J., Oliver, R., & Ballester, J. L., "On the excitation of trapped and leaky modes in coronal slabs", 2005A&A...441..371T ADS
- Díaz, A. J., Oliver, R., & Ballester, J. L., "Fast magnetohydrodynamic oscillations in a multifibril Cartesian prominence model", 2005A&A...440.1167D ADS
- Terradas, J., Carbonell, M., Oliver, R., & Ballester, J. L., "Time damping of linear non-adiabatic magnetoacoustic waves in a slab-like quiescent prominence", 2005A&A...434..741T ADS
- Zaqarashvili, T. V., Oliver, R., & Ballester, J. L., "Parametric excitation of slow magnetoacoustic waves in the solar corona due to photospheric periodic motions", 2005A&A...433..357Z ADS
- Ballester, J. L., Oliver, R., & Carbonell, M., "The periodic behaviour of the North-South asymmetry of sunspot areas revisited", 2005A&A...431L...5B ADS
- Terradas, J., Oliver, R., & Ballester, J. L., "The Excitation and Damping of Transversal Coronal Loop Oscillations", 2005ApJ...618L.149T ADS
- Ballester, J. L., Oliver, R., & Carbonell, M., "Return of the Near 160 Day Periodicity in the Photospheric Magnetic Flux during Solar Cycle 23", 2004ApJ...615L.173B ADS
- Zaqarashvili, T. V., Oliver, R., Ballester, J. L., & Belvedere, G., "Instability of periodic MHD shear flows", 2004AIPC...733..201Z ADS
- Terradas, J., Oliver, R., & Ballester, J. L., "Application of Statistical Techniques to the Analysis of Solar Coronal Oscillations", 2004ApJ...614..435T ADS
- Arregui, I., Oliver, R., & Ballester, J. L., "Magnetohydrodynamic waves in a sheared potential coronal arcade", 2004A&A...425..729A ADS
- Díaz, A. J., Oliver, R., Ballester, J. L., & Roberts, B., "Fast MHD oscillations in line-tied homogeneous coronal loops", 2004A&A...424.1055D ADS
- Arregui, I., Oliver, R., & Ballester, J. L., "Erratum: "Magnetohydrodynamic Waves in Sheared Coronal Arcades" (ApJ, 602, 1006 [2004])", 2004ApJ...607.1070A ADS
- Arregui, I., Oliver, R., & Ballester, J. L., "Magnetohydrodynamic Waves in Sheared Coronal Arcades", 2004ApJ...602.1006A ADS
- Carbonell, M., Oliver, R., & Ballester, J. L., "Time damping of linear non-adiabatic magnetohydrodynamic waves in an unbounded plasma with solar coronal properties", 2004A&A...415..739C ADS
- Selwa, M., Murawski, K., Kowal, G., et al., "3D Numerical Simulations of Impulsively Generated MHD Waves in Solar Coronal Loops", 2004ESASP.547..495S ADS
- Díaz, A. J., Oliver, R., & Ballester, J. L., "Fast MHD Oscillations in Coronal Loops with Heating Profiles", 2004ESASP.547..489D ADS
- Zaqarashvili, T. V., Oliver, R., & Ballester, J. L., "New Damping Mechanism for Coronal Loop Kink Oscillation", 2004ESASP.547..465Z ADS
- Arregui, I., Oliver, R., & Ballester, J. L., "Coupled Fast and Alfvén MHD Waves in Sheared Coronal Arcades", 2004ESASP.547..447A ADS
- Díaz, A. J., Olivier, R., & Ballester, J. L., "Fast MHD Oscillations in Multifibril Cartesian Systems", 2004ESASP.547..205D ADS
- Zaqarashvili, T. V., Oliver, R., & Ballester, J. L., "Damping of Standing Alfvén Waves", 2004ESASP.547..193Z ADS
- Arregui, I., Oliver, R., & Ballester, J. L., "Coupling of fast and Alfvén waves in a straight bounded magnetic field with density stratification", 2003A&A...402.1129A ADS
- Díaz, A. J., Oliver, R., & Ballester, J. L., "Fast MHD oscillations of a 3-dimensional prominence fibril", 2003A&A...402..781D ADS
- Díaz, A. J., Oliver, R., & Ballester, J. L., "Fast MHD oscillations in cylindrical prominence fibrils", 2002ESASP.506..593D ADS
- Arregui, I., Oliver, R., & Ballester, J. L., "Magnetohydrodynamic waves in sheared coronal magnetic structures", 2002ESASP.506..535A ADS
- Díaz, A. J., Oliver, R., & Ballester, J. L., "Fast Magnetohydrodynamic Oscillations in Cylindrical Prominence Fibrils", 2002ApJ...580..550D ADS
- Díaz, A. J., Oliver, R., & Ballester, J. L., "Fast MHD oscillations in cylindrical prominence fibrils", 2002ESASP.505..393D ADS
- Terradas, J., Molowny-Horas, R., Wiehr, E., et al., "Two-dimensional distribution of oscillations in a quiescent solar prominence", 2002A&A...393..637T ADS
- Zaqarashvili, T. V., Oliver, R., & Ballester, J. L., "Parametric Amplification of Magnetosonic Waves by an External, Transversal, Periodic Action", 2002ApJ...569..519Z ADS
- Orfila, A., Ballester, J. L., Oliver, R., Alvarez, A., & Tintoré, J., "Forecasting the solar cycle with genetic algorithms", 2002A&A...386..3130 ADS
- Oliver, R. & Ballester, J. L., "Oscillations in Quiescent Solar Prominences Observations and Theory (Invited Review)", 2002SoPh...206..450 ADS
- Oliver, R. & Ballester, J. L., "The 158-day periodicity in the rising phase of cycle 23", 2002ESASP.477..1550 ADS
- Ballester, J. L., Oliver, R., & Carbonell, M., "The Near 160 Day Periodicity in the Photospheric Magnetic Flux", 2002ApJ...566..505B ADS
- Díaz, A. J., Oliver, R., Erdélyi, R., & Ballester, J. L., "Fast MHD oscillations in prominence fine structures", 2001A&A...379.1083D ADS
- Terradas, J., Oliver, R., & Ballester, J. L., "Radiative damping of quiescent prominence oscillations", 2001A&A...378..635T ADS
- Murawski, K., Oliver, R., & Ballester, J. L., "Nonlinear fast magnetosonic waves in solar coronal holes", 2001A&A...375..264M ADS
- Arregui, I., Oliver, R., & Ballester, J. L., "Numerical simulations of linear magnetohydrodynamic waves in two-dimensional force-free magnetic fields", 2001A&A...369.1122A ADS
- Díaz, A., Oliver, R., & Ballester, J. L., "Fast magnetohydrodynamic oscillations in prominence fine structures", 2001hsa...conf..369D ADS
- Arregui, I., Oliver, R., & Ballester, J. L., "Fast and Alfvén MHD waves in sheared coronal arcades", 2001hsa...conf..253A ADS
- Terradas, J., Oliver, R., & Ballester, J. L., "Non adiabatic effects in magnetohydrodynamic waves in the solar atmosphere", 2001hsa...conf..249T ADS
- Ballester, J. L. & Tielens, A. G. G. M., "Cross-sections for Electron Capture by Interstellar PAH Cations", 2000AAS...197.4202B ADS
- Ballester, J. L., "Cyclical Variability of Prominences, CMEs and Flares", 2000JApA...21..221B ADS
- Ruderman, M. S., Oliver, R., Erdélyi, R., Ballester, J. L., & Goossens, M., "Slow surface wave damping in plasmas with anisotropic viscosity and thermal conductivity", 2000A&A...354..261R ADS
- Terradas, J., Oliver, R., & Ballester, J. L., "Non-Adiabatic Effects in Magneto-Acoustic-Gravity Waves in the Solar Atmosphere", 1999ESASP.448..385T ADS
- Arregui, I., Oliver, R., & Ballester, J. L., "Fast and Alfvén MHD Waves in Sheared Coronal Arcades", 1999ESASP.448..221A ADS
- Oliver, R., Čadež, V. M., Carbonell, M., & Ballester, J. L., "Coronal potential magnetic fields from photospheric sources with finite width", 1999A&A...351..7330 ADS
- Terradas, J., Oliver, R., & Ballester, J. L., "MHD Waves in Slab-Like Prominences: Non Adiabatic Effects", 1999ESASP.446..651T ADS
- Ballester, J. L., Oliver, R., & Baudin, F., "Discovery of the Near 158 Day Periodicity in Group Sunspot Numbers during the Eighteenth Century", 1999ApJ...522L.153B ADS
- Oliver, R., Ballester, J. L., & Murawski, K., "Nonlinear Fast MHD Waves in Open Coronal Magnetic Structures", 1999ASPC...184..2530 ADS
- Terradas, J., Oliver, R., & Ballester, J. L., "Magnetohydrodynamic Waves in Coronal Magnetostatic Arcades", 1999ApJ...517..488T ADS
- Molowny-Horas, R., Wiehr, E., Balthasar, H., Oliver, R., & Ballester, J. L., "Prominence Doppler oscillations.", 1999joso.proc..126M ADS
- Ballester, J. L. & Tielens, A. G. G. M., "Electrostatic Interactions Between Electrons and PAH Molecules", 1998AAS...193.6518B ADS
- Oliver, R. & Ballester, J. L., "Is there memory in solar activity?", 1998PhRvE...58.56500 ADS
- Oliver, R., Ballester, J. L., & Baudin, F., "Emergence of magnetic flux on the Sun as the cause of a 158-day periodicity in sunspot areas", 1998Natur.394..5520 ADS
- Oliver, R., Murawski, K., & Ballester, J. L., "Numerical simulations of impulsively generated MHD waves in a potential coronal arcade", 1998A&A...330..7260 ADS
- Ballester, J. L. & Tielens, A. G. G. M., "Recombination Rates of Electrons With Interstellar PAH Molecules", 1998BAAS...30..766B ADS
- Molowny-Horas, R., Baudin, F., Oliver, R., & Ballester, J. L., "He I 10830 AA Doppler Oscillations in a Solar Filament", 1998ASPC...154..650M ADS
- Oliver, R. & Ballester, J. L., "A Fibril Structure Model for Stellar Prominences", 1998ASPC...150..2470 ADS
- Oliver, R. & Ballester, J. L., "The Prominence-Corona Transition Region and the Problem of Prominence Oscillations", 1998ASPC...150..1430 ADS

- Molowny-Horas, R., Oliver, R., Ballester, J. L., & Baudin, F., "Infrared Doppler Oscillations in a Solar Filament", 1998ASPC...150...139M ADS
- Ruderman, M. S., Goossens, M., Ballester, J. L., & Oliver, R., "Resonant Alfvén waves in coronal arcades driven by footpoint motions", 1997A&A...328...361R ADS
- Čadež, V. M., Oliver, R., & Ballester, J. L., "Magnetic arcades in stellar corona I. Cylindrical geometry", 1997Ap&SS...254...67C ADS
- Molowny-Horas, R., Oliver, R., Ballester, J. L., & Baudin, F., "Observations of Doppler oscillations in a solar prominence", 1997SoPh...172...181M ADS
- Dwek, E., Arendt, R. G., Fixsen, D. J., et al., "Detection and Characterization of Cold Interstellar Dust and Polycyclic Aromatic Hydrocarbon Emission, from COBE Observations", 1997ApJ...475...565D ADS
- Oliver, R. & Ballester, J. L., "Rescaled Range Analysis of the Asymmetry of Solar Activity", 1996SoPh...169...2150 ADS
- Cadez, V. M., Oliver, R., & Ballester, J. L., "Propagation of fast MHD perturbations in coronal potential arcades.", 1996A&A...314...636C ADS
- Cadez, V. M., Oliver, R., & Ballester, J. L., "Quasiperpendicular wave propagation in coronal magnetostatic arcades.", 1996A&A...307...947C ADS
- Oliver, R. & Ballester, J. L., "Oscillations in a Quiescent Solar Prominence", 1996mpsa.conf...4630 ADS
- Oliver, R. & Ballester, J. L., "The Influence of the Temperature Profile on the Magnetohydrodynamic Modes of a Prominence-Corona System", 1996ApJ...456...3930 ADS
- Cadez, V. M. & Ballester, J. L., "Resonant absorption of MHD surface waves in an arcade with a continuous boundary.", 1996A&A...305...977C ADS
- Čadež, V. M., Oliver, R., & Ballester, J. L., "Coronal MHD Perturbation Field Generated by Localized Perturbations in a Photospheric Active Region", 1995SoPh...159...229C ADS
- Čadež, V. M., Ballester, J. L., & Oliver, R., "MHD waves in coronal arcades.", 1995POBeo...49...109C ADS
- Oliver, R. & Ballester, J. L., "Magnetohydrodynamic Waves in a Bounded Inhomogeneous Medium with Prominence-Corona Properties", 1995ApJ...448...4440 ADS
- Cadez, V. M. & Ballester, J. L., "Time evolution of MHD disturbances impulsively excited by a localized perturber in a potential coronal arcade.", 1995A&A...296...550C ADS
- Cadez, V. M. & Ballester, J. L., "MHD disturbances in a coronal potential arcade generated by localized perturbations.", 1995A&A...296...537C ADS
- Oliver, R. & Ballester, J. L., "Short-term periodicities in sunspot areas during solar cycle 22", 1995SoPh...156...1450 ADS
- Ballester, J. L., "Activities in prominences prior to eruption", 1994ESASP.373...13B ADS
- Cadez, V. M. & Ballester, J. L., "Local waves in a magnetic arcade embedded in the solar corona.", 1994A&A...292...669C ADS
- Carbonell, M., Oliver, R., & Ballester, J. L., "A search for chaotic behaviour in solar activity.", 1994A&A...290...983C ADS
- Oliver, R. & Ballester, J. L., "The North-South Asymmetry of Sunspot Areas during SOLAR-CYCLE-22", 1994SoPh...152...4810 ADS
- Cadez, V. M., Oliver, R., & Ballester, J. L., "The shape of a magnetic arcade embedded in the solar corona", 1994A&A...282...934C ADS
- Carbonell, M., Oliver, R., & Ballester, J. L., "The asymmetric behaviour of solar activity", in G. Belvedere, M. Rodono, and G. M. Simnett (Eds.), Advances in Solar Physics, Vol. 432, 85-90 1994LNP...432...85C ADS
- Carbonell, M., Oliver, R., & Ballester, J. L., "On the asymmetry of solar activity", 1993A&A...274...497C ADS
- Oliver, R., Ballester, J. L., Hood, A. W., & Priest, E. R., "Oscillations of a Quiescent Solar Prominence Embedded in a Hot Corona", 1993ApJ...409...8090 ADS
- Oliver, R., Ballester, J. L., Hood, A. W., & Priest, E. R., "Magnetohydrodynamic waves in a potential coronal arcade", 1993A&A...273...6470 ADS
- Oliver, R., Ballester, J. L., Hood, A. W., & Priest, E. R., "MHD Waves in a Solar Prominence", 1993ASSL...183...1910 ADS
- Oliver, R., Ballester, J. L., & Priest, E. R., "Quiescent Solar Prominences: A Two-Dimensional Model", 1993ASSL...183...1870 ADS
- Carbonell, M., Oliver, R., & Ballester, J. L., "Asymmetry and periodicities in solar activity.", 1993ASPC...40...84C ADS
- Oliver, R., Ballester, J. L., Hood, A. W., & Priest, E. R., "Magnetohydrodynamic Waves in a Solar Prominence", 1992ApJ...400...3690 ADS
- Carbonell, M., Oliver, R., & Ballester, J. L., "Power spectra of gapped time series - A comparison of several methods", 1992A&A...264...350C ADS
- Juan, J. & Ballester, J. L., "The Equilibrium Shape of Slender Flux Tubes in a Linear Force-Free Magnetic Field", 1992SoPh...137...257J ADS
- Juan, J. & Ballester, J. L., "The Equilibrium of Coronal Flux Tubes Under Toroidal Forces", 1992Ap&SS.188...279J ADS
- Carbonell, M. & Ballester, J. L., "The periodic behaviour of solar activity - The near 155-day periodicity in sunspot areas", 1992A&A...255...350C ADS
- Oliver, R., Carbonell, M., & Ballester, J. L., "Intermediate-Term Periodicities in Solar Activity", 1992SoPh...137...1410 ADS
- Carbonell, M. & Ballester, J. L., "Search Algorithm for Weak Periodicities in Definite Time Intervals", 1991A&A...249...295C ADS
- Oliver, R., Ballester, J. L., & Priest, E. R., "A Two-Dimensional Model for a Solar Prominence - Effect of an External Magnetic Field", 1991SoPh...134...1230 ADS
- Carbonell, M. & Ballester, J. L., "A short-term periodicity near 155 day in sunspot areas", 1990A&A...238...377C ADS
- Anzer, U. & Ballester, J. L., "Prominence models with line currents - Stabilisation by flux conservation", 1990A&A...238...365A ADS
- Ballester, J. L., Antoniewicz, P. R., & Smoluchowski, R., "Atoms in Carbon Cages as a Source of Interstellar Diffuse Lines", 1990ApJ...356...507B ADS
- Vizoso, G. & Ballester, J. L., "The north-south asymmetry of sunspots", 1990A&A...229...540V ADS
- Oliver, R., Ballester, J. L., & Priest, E. R., "Effect of an External Magnetic Field on Prominence Properties", 1990PDHO...7...1700 ADS
- Anzer, U. & Ballester, J. L., "Prominence Models with Line Currents: Stabilisation by Flux Conservation", 1990PDHO...7...156A ADS
- Carbonell, M. & Ballester, J. L., "A Short Term Periodicity near 155 Day in Sunspot Areas", 1990PDHO...7...100C ADS
- Ballester, J. L. & Priest, E. R., "Fibril Structure of Solar Prominences", in V. Ruzdjak and E. Tandberg-Hanssen (Eds.), IAU Colloq. 117: Dynamics of Quiescent Prominences, Vol. 363, 241 1990LNP...363...241B ADS
- Ballester, J. L. & Priest, E. R., "Fibril structure of solar prominences", 1990GMS...58...321B ADS
- Ballester, J. L. & Priest, E. R., "Model for the fibril structure of solar prominences", 1989A&A...225...213B ADS
- Vizoso, G. & Ballester, J. L., "Periodicities in the North-South Asymmetry of Solar Activity", 1989SoPh...119...411V ADS
- Vizoso, G. & Ballester, J. L., "North-south asymmetry in sudden disappearances of solar prominences.", 1988dssp.conf...171V ADS
- Vizoso, G. & Ballester, J. L., "Periodic behaviour in sudden disappearances of solar prominences.", 1988dssp.conf...167V ADS
- Ballester, J. L. & Priest, E. R., "A 2D prominence model.", 1988dssp.conf...137B ADS
- , "Dynamics and structure of solar prominences. Proceedings of the workshop held November 18 - 20, 1987, at the Universitat de les Illes Balears, Palma de Mallorca, Spain", 1988dssp.conf...B ADS
- Vizoso, G. & Ballester, J. L., "North-South Asymmetry in Sudden Disappearances of Solar Prominences", 1987SoPh...112...317V ADS
- Ballester, J. L. & Priest, E. R., "A Two-Dimensional Model for a Solar Prominence", 1987SoPh...109...335B ADS
- Vizoso, G. & Ballester, J. L., "North-South Asymmetry in Sudden Disappearances of Solar Prominences", 1987dssp.work...172V ADS
- Vizoso, G. & Ballester, J. L., "Periodic Behaviour in Sudden Disappearances of Solar Prominences", 1987dssp.work...167V ADS
- Ballester, J. L. & Priest, E. R., "A Two-Dimensional Prominence Model", 1987dssp.work...137B ADS
- Smoluchowski, R., Antoniewicz, P. R., & Ballester, J. L., "Diffuse Interstellar Bands and Carbon Shells", 1986BAAS...18.1008S ADS
- Gimenez, A., Ballester, J. L., Reglero, V., Fernandez-Figueroa, M. J., & de Castro, E., "Uvby-beta photometry of active-chromosphere binaries. I. The system TZ Coronae Borealis.", 1986AJ...92...131G ADS
- Gimenez, A., Reglero, V., Ballester, J. L., Fernandez-Figueroa, M. J., & de Castro, E., "Stromgren uvby Photometry of the RS CVn-like Binaries sigma CrB and HD 166181", 1985IBVS.2797...1G ADS
- Reglero, V., Fuensalida, J. J., Arevalo, M. J., & Ballester, J. L., "Photoelectric Observations of the Flare Star AD Leo", 1985IBVS.2752...1R ADS
- Ballester, J. L., "About sudden disappearances and reappearances.", 1984ESASP.220...275B ADS
- Ballester, J. L., "A Note on Magnetic Fields and Electric Currents in Solar Prominences", 1984SoPh...94...151B ADS
- Ballester, J. L. & Kleczek, J., "Prominence Motions and Their Implications for Magnetic Fields", 1984SoPh...90...37B ADS
- Ballester, J. L. & Kleczek, J., "Kinematics of solar prominences.", 1983SoPh...87...261B ADS
- Bruenn, S. W. & Ballester, J. L., "Neutrino Transport with Isoenergetic and Neutrino/ Electron Scattering", 1981Ap&SS...78...247B ADS