

Santiago Andres Triana

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

973
citations

516710

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33
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722
citing authors

#	ARTICLE	IF	CITATIONS
1	Tight asteroseismic constraints on core overshooting and diffusive mixing in the slowly rotating pulsating B8.3V star KIC10526294. <i>Astronomy and Astrophysics</i> , 2015, 580, A27.	5.1	137
2	GRAVITY-MODE PERIOD SPACINGS AS A SEISMIC DIAGNOSTIC FOR A SAMPLE OF γ DORADUS STARS FROM <i>KEPLER</i> SPACE PHOTOMETRY AND HIGH-RESOLUTION GROUND-BASED SPECTROSCOPY. <i>Astrophysical Journal, Supplement Series</i> , 2015, 218, 27.	7.7	115
3	THE INTERNAL ROTATION PROFILE OF THE B-TYPE STAR KIC 10526294 FROM FREQUENCY INVERSION OF ITS DIPOLE GRAVITY MODES. <i>Astrophysical Journal</i> , 2015, 810, 16.	4.5	82
4	KIC10526294: a slowly rotating B star with rotationally split, quasi-equally spaced gravity modes. <i>Astronomy and Astrophysics</i> , 2014, 570, A8.	5.1	63
5	Photometric detection of internal gravity waves in upper main-sequence stars. <i>Astronomy and Astrophysics</i> , 2019, 621, A135.	5.1	63
6	Inertial waves driven by differential rotation in a planetary geometry. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2007, 101, 469-487.	1.2	62
7	Bi-stability in turbulent, rotating spherical Couette flow. <i>Physics of Fluids</i> , 2011, 23, .	4.0	52
8	A turbulent, high magnetic Reynolds number experimental model of Earth's core. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 4538-4557.	3.4	37
9	Internal rotation of 13 low-mass low-luminosity red giants in the <i>Kepler</i> field. <i>Astronomy and Astrophysics</i> , 2017, 602, A62.	5.1	34
10	K2 photometry and HERMES spectroscopy of the blue supergiant ϵ Leo: rotational wind modulation and low-frequency waves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 1234-1241.	4.4	34
11	Internal Energy Dissipation in Enceladus's Subsurface Ocean From Tides and Libration and the Role of Inertial Waves. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 2198-2212.	3.6	34
12	Precessional states in a laboratory model of the Earth's core. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	30
13	Excitation of inertial modes in an experimental spherical Couette flow. <i>Physical Review E</i> , 2012, 86, 026304.	2.1	28
14	Asteroseismology of 19 low-luminosity red giant stars from <i>Kepler</i> . <i>Astronomy and Astrophysics</i> , 2016, 591, A99.	5.1	26
15	Selection of inertial modes in spherical Couette flow. <i>Physical Review E</i> , 2010, 81, 026311.	2.1	24
16	Understanding the effects of the core on the nutation of the Earth. <i>Geodesy and Geodynamics</i> , 2017, 8, 389-395.	2.2	17
17	Triadic resonances in the wide-gap spherical Couette system. <i>Journal of Fluid Mechanics</i> , 2018, 843, 211-243.	3.4	16
18	The coupling between inertial and rotational eigenmodes in planets with liquid cores. <i>Geophysical Journal International</i> , 2019, 218, 1071-1086.	2.4	16

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19	Study of turbulence and interacting inertial modes in a differentially rotating spherical shell experiment. <i>Physical Review Fluids</i> , 2016, 1, .	2.5	16
20	Inertial Modes of a Freely Rotating Ellipsoidal Planet and Their Relation to Nutations. <i>Planetary Science Journal</i> , 2020, 1, 20.	3.6	14
21	Fluid Dynamics Experiments for Planetary Interiors. <i>Surveys in Geophysics</i> , 2022, 43, 229-261.	4.6	13
22	Inertial modes in near-spherical geometries. <i>Geophysical Journal International</i> , 2019, 216, 777-793.	2.4	12
23	Numerical and experimental investigation of shear-driven inertial oscillations in an Earth-like geometry. <i>Physics of the Earth and Planetary Interiors</i> , 2011, 188, 194-202.	1.9	9
24	Core Eigenmodes and their Impact on the Earth's Rotation. <i>Surveys in Geophysics</i> , 2022, 43, 107-148.	4.6	9
25	The Viscous and Ohmic Damping of the Earth's Free Core Nutation. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021042.	3.4	8
26	Driven inertial waves in spherical Couette flow. <i>Chaos</i> , 2006, 16, 041105.	2.5	7
27	Helioseismology in a bottle: modal acoustic velocimetry. <i>New Journal of Physics</i> , 2014, 16, 113005.	2.9	6
28	Quantification of corrections for the main lunisolar nutation components and analysis of the free core nutation from VLBI-observed nutation residuals. <i>Journal of Geodesy</i> , 2021, 95, 1.	3.6	6
29	KIC 10526294: a slowly rotating B star with rotationally split, quasi-equally spaced gravity modes (Corrigendum). <i>Astronomy and Astrophysics</i> , 2014, 570, C4.	5.1	3
30	Characterization of the magnetorotational instability from a turbulent background state. <i>AIP Conference Proceedings</i> , 2004, , .	0.4	0