

Carlos Raupp

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

319
citations

1040056

9
h-index

888059

17
g-index

20
all docs

20
docs citations

20
times ranked

505
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of equatorial waves through resonance with the diurnal cycle of tropical heating. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 62, 706.	1.7	8
2	Nonlinear interaction of gravity and acoustic waves. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 72, 1706705.	1.7	1
3	Inference of the topology of geomagnetic field multipole interactions. <i>European Physical Journal: Special Topics</i> , 2021, 230, 2999-3007.	2.6	1
4	Information flow between MJO-related waves: a network approach on the wave space. <i>European Physical Journal: Special Topics</i> , 2021, 230, 3009-3017.	2.6	7
5	Nonlinear MHD Rossby wave interactions and persistent geomagnetic field structures. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020, 476, 20200174.	2.1	3
6	A New Mechanism for Maunder-like Solar Minima: Phase Synchronization Dynamics in a Simple Nonlinear Oscillator of Magnetohydrodynamic Rossby Waves. <i>Astrophysical Journal Letters</i> , 2020, 890, L13.	8.3	12
7	Topography-induced locking of drifting Rossbyâ€“Haurwitz waves. <i>Physics of Fluids</i> , 2020, 32, 046601.	4.0	3
8	Linear and Weakly Nonlinear Energetics of Global Nonhydrostatic Normal Modes. <i>Journals of the Atmospheric Sciences</i> , 2019, 76, 3831-3846.	1.7	1
9	Nonlinear Rossby Waveâ€“Wave and Waveâ€“Mean Flow Theory for Long-term Solar Cycle Modulations. <i>Astrophysical Journal</i> , 2019, 887, 1.	4.5	26
10	Multiscale Atmosphereâ€“Ocean Interactions and the Low-Frequency Variability in the Equatorial Region. <i>Journals of the Atmospheric Sciences</i> , 2017, 74, 2503-2523.	1.7	6
11	Windthrow Variability in Central Amazonia. <i>Atmosphere</i> , 2017, 8, 28.	2.3	29
12	NONLINEAR DYNAMICS OF MAGNETOHYDRODYNAMIC ROSSBY WAVES AND THE CYCLIC NATURE OF SOLAR MAGNETIC ACTIVITY. <i>Astrophysical Journal</i> , 2015, 799, 78.	4.5	26
13	The family of anisotropically scaled equatorial waves. <i>Journal of Advances in Modeling Earth Systems</i> , 2011, 3, .	3.8	2
14	Asymptotic approach for the nonlinear equatorial long wave interactions. <i>Journal of Physics: Conference Series</i> , 2011, 285, 012020.	0.4	5
15	Widespread Amazon forest tree mortality from a single crossâ€“basin squall line event. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	116
16	Resonant Wave Interactions in the Presence of a Diurnally Varying Heat Source. <i>Journals of the Atmospheric Sciences</i> , 2009, 66, 3165-3183.	1.7	21
17	Resonant Wave Interactions in the Equatorial Waveguide. <i>Journals of the Atmospheric Sciences</i> , 2008, 65, 3398-3418.	1.7	22
18	Dynamics of resonantly interacting equatorial waves. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2006, 58, 263-279.	1.7	13

#	ARTICLE	IF	CITATIONS
19	Excitation Mechanism of Mixed Rossby-Gravity Waves in the Equatorial Atmosphere: Role of the Nonlinear Interactions among Equatorial Waves. <i>Journals of the Atmospheric Sciences</i> , 2005, 62, 1446-1462.	1.7	17