

R G Cosentino

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

398
citations

687363

13
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

497
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in Jupiter's Zonal Wind Profile preceding and during the Juno mission. <i>Icarus</i> , 2017, 296, 163-178.	2.5	70
2	No evidence of phosphine in the atmosphere of Venus from independent analyses. <i>Nature Astronomy</i> , 2021, 5, 631-635.	10.1	50
3	Disruption of Saturn's quasi-periodic equatorial oscillation by the great northern storm. <i>Nature Astronomy</i> , 2017, 1, 765-770.	10.1	37
4	New Observations and Modeling of Jupiter's Quasi-Quadrennial Oscillation. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 2719-2744.	3.6	30
5	Historical and Contemporary Trends in the Size, Drift, and Color of Jupiter's Great Red Spot. <i>Astronomical Journal</i> , 2018, 155, 151.	4.7	28
6	First ALMA Millimeter-wavelength Maps of Jupiter, with a Multiwavelength Study of Convection. <i>Astronomical Journal</i> , 2019, 158, 139.	4.7	27
7	MEANDERING SHALLOW ATMOSPHERIC JET AS A MODEL OF SATURN'S NORTH-POLAR HEXAGON. <i>Astrophysical Journal Letters</i> , 2015, 806, L18.	8.3	24
8	In-Flight Calibration and Performance of the OSIRIS-REx Visible and IR Spectrometer (OVIRS). <i>Remote Sensing</i> , 2018, 10, 1486.	4.0	23
9	Fluctuations in Jupiter's equatorial stratospheric oscillation. <i>Nature Astronomy</i> , 2021, 5, 71-77.	10.1	17
10	A New, Long-lived, Jupiter Mesoscale Wave Observed at Visible Wavelengths. <i>Astronomical Journal</i> , 2018, 156, 79.	4.7	14
11	Vertically-resolved observations of Jupiter's quasi-quadrennial oscillation from 2012 to 2019. <i>Icarus</i> , 2020, 350, 113905.	2.5	14
12	Atmospheric waves and dynamics beneath Jupiter's clouds from radio wavelength observations. <i>Icarus</i> , 2017, 292, 168-181.	2.5	13
13	Longitudinal variability in Jupiter's zonal winds derived from multi-wavelength HST observations. <i>Planetary and Space Science</i> , 2018, 155, 2-11.	1.7	13
14	OSIRIS-REx Visible and Near-Infrared Observations of the Moon. <i>Geophysical Research Letters</i> , 2019, 46, 6322-6326.	4.0	8
15	OBSERVATIONS AND NUMERICAL MODELING OF THE JOVIAN RIBBON. <i>Astrophysical Journal Letters</i> , 2015, 810, L10.	8.3	7
16	Detection of Dynamical Instability in Titan's Thermospheric Jet. <i>Astrophysical Journal Letters</i> , 2020, 904, L12.	8.3	6
17	The Effects of Waves on the Meridional Thermal Structure of Jupiter's Stratosphere. <i>Planetary Science Journal</i> , 2020, 1, 63.	3.6	5
18	Jupiter's Turbulent Power Spectra From Hubble Space Telescope. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1204-1225.	3.6	4

#	ARTICLE	IF	CITATIONS
19	Mapping the zonal winds of Jupiter's stratospheric equatorial oscillation. <i>Astronomy and Astrophysics</i> , 2021, 652, A125.	5.1	4
20	Analysis of the long-term drift rates and oscillations of Jupiter's largest vortices. <i>Icarus</i> , 2022, 372, 114732.	2.5	2
21	Variability in Titan's Mesospheric HCN and Temperature Structure as Observed by ALMA. <i>Planetary Science Journal</i> , 2022, 3, 146.	3.6	2