Stefania Stefani

List of Publications by Year
in descending order

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Version: 2024-02-01

23	429	687363 13	713466 21
papers	citations	h-index	g-index

23	23	23	668
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stability of the Jupiter Southern Polar Vortices Inspected Through Vorticity Using Juno/JIRAM Data. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	3
2	On the clouds and ammonia in Jupiterâ€™s upper troposphere from Juno JIRAM reflectivity observations. Monthly Notices of the Royal Astronomical Society, 2021, 503, 4892-4907.	4.4	5
3	Oscillations and Stability of the Jupiter Polar Cyclones. Geophysical Research Letters, 2021, 48, e2021GL094235.	4.0	11
4	A simulation chamber for absorption spectroscopy in planetary atmospheres. Atmospheric Measurement Techniques, 2021, 14, 7187-7197.	3.1	2
5	Juno/JIRAM: Planning and commanding activities. Advances in Space Research, 2020, 65, 598-615.	2.6	5
6	On the Spatial Distribution of Minor Species in Jupiter's Troposphere as Inferred From Juno JIRAM Data. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006206.	3.6	14
7	Reflectance spectroscopy of ammonium-bearing phyllosilicates. Icarus, 2019, 321, 522-530.	2.5	17
8	Clusters of cyclones encircling Jupiterâ€™s poles. Nature, 2018, 555, 216-219.	27.8	90
9	Temperature dependence of collisional induced absorption (CIA) bands of CO2 with implications for Venusâ€™ atmosphere. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 204, 242-249.	2.3	4
10	First Estimate of Wind Fields in the Jupiter Polar Regions From JIRAMâ€Juno Images. Journal of Geophysical Research E: Planets, 2018, 123, 1511-1524.	3.6	24
11	Infrared observations of Jovian aurora from Juno's first orbits: Main oval and satellite footprints. Geophysical Research Letters, 2017, 44, 5308-5316.	4.0	30
12	Preliminary results on the composition of Jupiter's troposphere in hot spot regions from the JIRAM/Juno instrument. Geophysical Research Letters, 2017, 44, 4615-4624.	4.0	20
13	Preliminary JIRAM results from Juno polar observations: 2. Analysis of the Jupiter southern H₃⁺ emissions and comparison with the north aurora. Geophysical Research Letters, 2017, 44, 4633-4640.	4.0	20
14	Preliminary JIRAM results from Juno polar observations: 1. Methodology and analysis applied to the Jovian northern polar region. Geophysical Research Letters, 2017, 44, 4625-4632.	4.0	18
15	Characterization of the white ovals on Jupiter's southern hemisphere using the first data by the Juno/JIRAM instrument. Geophysical Research Letters, 2017, 44, 4660-4668.	4.0	15
16	Preliminary JIRAM results from Juno polar observations: 3. Evidence of diffuse methane presence in the Jupiter auroral regions. Geophysical Research Letters, 2017, 44, 4641-4648.	4.0	13
17	Sensitivity of net thermal flux to the abundance of trace gases in the lower atmosphere of Venus. Journal of Geophysical Research E: Planets, 2016, 121, 1737-1752.	3.6	15
18	Carbon dioxide opacity of the Venus×3 atmosphere. Planetary and Space Science, 2014, 103, 347-354.	1.7	17

#	Article	IF	Citations
19	Carbon dioxide absorption at high densities in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0002.gif" overflow="scroll"><mml:mn>1.18</mml:mn><mml:mspace width="0.25em" /><mml:mi mathvariant="normal">Î¼</mml:mi><mml:mi mathvariant="normal">m</mml:mi></mml:math> nightside transparency window of Venus. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 133, 464-471.	2.3	13
20	Near-infrared Rayleigh scattering of SF6. Molecular Physics, 2013, 111, 2314-2319.	1.7	4
21	Experimental CO2 absorption coefficients at high pressure and high temperature. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 117, 21-28.	2.3	27
22	Molecular dynamics simulations for CO2 spectra. IV. Collisional line-mixing in infrared and Raman bands. Journal of Chemical Physics, 2013, 138, 244310.	3.0	11
23	Measurements and modelling of high pressure pure CO2 spectra from 750 to 8500cmâ¯1. Iâ€”central and wing regions of the allowed vibrational bands. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 925-936.	2.3	51