

T T Koskinen

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,707
citations

279798

23
h-index

289244

40
g-index

48
all docs

48
docs citations

48
times ranked

1456
citing authors

#	ARTICLE	IF	CITATIONS
1	The escape of heavy atoms from the ionosphere of HD209458b. I. A photochemicalâ€“dynamical model of the thermosphere. <i>Icarus</i> , 2013, 226, 1678-1694.	2.5	196
2	The mesosphere and lower thermosphere of Titan revealed by Cassini/UVIS stellar occultations. <i>Icarus</i> , 2011, 216, 507-534.	2.5	124
3	XUV-driven mass loss from extrasolar giant planets orbiting active stars. <i>Icarus</i> , 2015, 250, 357-367.	2.5	123
4	CHARACTERIZING THE THERMOSPHERE OF HD209458b WITH UV TRANSIT OBSERVATIONS. <i>Astrophysical Journal</i> , 2010, 723, 116-128.	4.5	94
5	The escape of heavy atoms from the ionosphere of HD209458b. II. Interpretation of the observations. <i>Icarus</i> , 2013, 226, 1695-1708.	2.5	87
6	A stability limit for the atmospheres of giant extrasolar planets. <i>Nature</i> , 2007, 450, 845-848.	27.8	85
7	Aerosol Properties of the Atmospheres of Extrasolar Giant Planets. <i>Astrophysical Journal</i> , 2017, 847, 32.	4.5	69
8	The CH ₄ structure in Titan's upper atmosphere revisited. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	61
9	Ultraviolet C ii and Si iii Transit Spectroscopy and Modeling of the Evaporating Atmosphere of GJ436b. <i>Astrophysical Journal Letters</i> , 2017, 834, L17.	8.3	59
10	ELECTRON DENSITIES AND ALKALI ATOMS IN EXOPLANET ATMOSPHERES. <i>Astrophysical Journal</i> , 2014, 796, 15.	4.5	56
11	MAVEN/IUVS Stellar Occultation Measurements of Mars Atmospheric Structure and Composition. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 1449-1483.	3.6	56
12	Suppressed Far-UV Stellar Activity and Low Planetary Mass Loss in the WASP-18 System*. <i>Astronomical Journal</i> , 2018, 155, 113.	4.7	45
13	Probing the Martian atmosphere with MAVEN/IUVS stellar occultations. <i>Geophysical Research Letters</i> , 2015, 42, 9064-9070.	4.0	42
14	Atmospheric structure and helium abundance on Saturn from Cassini/UVIS and CIRS observations. <i>Icarus</i> , 2018, 307, 161-171.	2.5	41
15	FAR-UV SPECTROSCOPY OF THE PLANET-HOSTING STAR WASP-13: HIGH-ENERGY IRRADIANCE, DISTANCE, AGE, PLANETARY MASS-LOSS RATE, AND CIRCUMSTELLAR ENVIRONMENT. <i>Astrophysical Journal</i> , 2015, 815, 118.	4.5	40
16	Saturnâ€™s variable thermosphere from Cassini/UVIS occultations. <i>Icarus</i> , 2015, 260, 174-189.	2.5	40
17	Altitude profiles of O ₂ on Mars from SPICAM stellar occultations. <i>Icarus</i> , 2015, 252, 154-160.	2.5	37
18	The density and temperature structure near the exobase of Saturn from Cassini UVIS solar occultations. <i>Icarus</i> , 2013, 226, 1318-1330.	2.5	36

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19	Near-ultraviolet Transmission Spectroscopy of HD 209458b: Evidence of Ionized Iron Beyond the Planetary Roche Lobe. <i>Astronomical Journal</i> , 2020, 159, 111.	4.7	34
20	Non-local thermodynamic equilibrium effects determine the upper atmospheric temperature structure of the ultra-hot Jupiter KELT-9b. <i>Astronomy and Astrophysics</i> , 2021, 653, A52.	5.1	33
21	Extreme-ultraviolet Radiation from A-stars: Implications for Ultra-hot Jupiters. <i>Astrophysical Journal Letters</i> , 2018, 868, L30.	8.3	32
22	Thermal escape from extrasolar giant planets. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2014, 372, 20130089.	3.4	31
23	ELECTRODYNAMICS ON EXTRASOLAR GIANT PLANETS. <i>Astrophysical Journal</i> , 2014, 796, 16.	4.5	29
24	The detection of benzene in Saturn's upper atmosphere. <i>Geophysical Research Letters</i> , 2016, 43, 7895-7901.	4.0	29
25	Effect of stellar flares on the upper atmospheres of HD 189733b and HD 209458b. <i>Astronomy and Astrophysics</i> , 2017, 608, A75.	5.1	26
26	Mass Loss by Atmospheric Escape from Extremely Close-in Planets. <i>Astrophysical Journal</i> , 2022, 929, 52.	4.5	24
27	TITAN'S UPPER ATMOSPHERE FROM CASSINI/LIVIS SOLAR OCCULTATIONS. <i>Astrophysical Journal</i> , 2015, 814, 86.	4.5	23
28	Thermal Structure and Composition of Saturn's Upper Atmosphere From Cassini/Ion Neutral Mass Spectrometer Measurements. <i>Geophysical Research Letters</i> , 2018, 45, 10,951.	4.0	22
29	Atmospheric Waves and Their Possible Effect on the Thermal Structure of Saturn's Thermosphere. <i>Geophysical Research Letters</i> , 2019, 46, 2372-2380.	4.0	20
30	EUV-driven ionospheres and electron transport on extrasolar giant planets orbiting active stars. <i>Astronomy and Astrophysics</i> , 2016, 587, A87.	5.1	19
31	New benzene absorption cross sections in the VUV, relevance for Titan's upper atmosphere. <i>Icarus</i> , 2016, 265, 95-109.	2.5	19
32	A pole-to-pole pressure-temperature map of Saturn's thermosphere from Cassini Grand Finale data. <i>Nature Astronomy</i> , 2020, 4, 872-879.	10.1	14
33	SOLAR OCCULTATION BY TITAN MEASURED BY CASSINI /LIVIS. <i>Astrophysical Journal Letters</i> , 2013, 766, L16.	8.3	9
34	An empirical model of the Saturn thermosphere. <i>Icarus</i> , 2021, 362, 114396.	2.5	7
35	Energy deposition in Saturn's equatorial upper atmosphere. <i>Icarus</i> , 2022, 372, 114724.	2.5	7
36	Compositional Measurements of Saturn's Upper Atmosphere and Rings From Cassini INMS: An Extended Analysis of Measurements From Cassini's Grand Finale Orbits. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	7

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37	Cassini UVIS Detection of Saturn's North Polar Hexagon in the Grand Finale Orbits. Journal of Geophysical Research E: Planets, 2019, 124, 1979-1988.	3.6	5
38	Compositional Measurements of Saturn's Upper Atmosphere and Rings from Cassini INMS. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006427.	3.6	5
39	The Colorado Ultraviolet Transit Experiment (CUTE): a dedicated cubesat mission for the study of exoplanetary mass loss and magnetic fields. , 2017, , .		5
40	On the escape of CH ₄ from Pluto's atmosphere. Geophysical Research Letters, 2015, 42, 7200-7205.	4.0	4
41	Evidence for Gravity Waves in the Thermosphere of Saturn and Implications for Global Circulation. Geophysical Research Letters, 2022, 49, .	4.0	4
42	Titan occultations of Orion's belt observed with Cassini/UVIS. Icarus, 2021, 368, 114587.	2.5	3
43	Electrodynamics in Saturn's thermosphere at low and middle latitudes. Icarus, 2020, 344, 113390.	2.5	2
44	Saturn in Lyman Î±: A comparison of Cassini and Voyager observations. Icarus, 2020, 339, 113594.	2.5	2
45	Upper Atmospheres and Ionospheres of Planets and Satellites. , 2018, , 349-374.		1
46	Upper Atmospheres and Ionospheres of Planets and Satellites. , 2017, , 1-26.		0
47	Saturn's Variable Thermosphere. , 2018, , 224-250.		0