T T Koskinen

List of Publications by Year
in descending order

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47	1,707	279798	289244
papers	citations	23 h-index	40 g-index

48	48	48	1456
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Energy deposition in Saturnâ€™s equatorial upper atmosphere. Icarus, 2022, 372, 114724.	2.5	7
2	Mass Loss by Atmospheric Escape from Extremely Close-in Planets. Astrophysical Journal, 2022, 929, 52.	4.5	24
3	Evidence for Gravity Waves in the Thermosphere of Saturn and Implications for Global Circulation. Geophysical Research Letters, 2022, 49, .	4.0	4
4	Compositional Measurements of Saturn's Upper Atmosphere and Rings From Cassini INMS: An Extended Analysis of Measurements From Cassini's Grand Finale Orbits. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	7
5	An empirical model of the Saturn thermosphere. Icarus, 2021, 362, 114396.	2.5	7
6	Non-local thermodynamic equilibrium effects determine the upper atmospheric temperature structure of the ultra-hot Jupiter KELT-9b. Astronomy and Astrophysics, 2021, 653, A52.	5.1	33
7	Titan occultations of Orionâ€™s belt observed with Cassini/UVIS. Icarus, 2021, 368, 114587.	2.5	3
8	Electrodynamics in Saturn's thermosphere at low and middle latitudes. Icarus, 2020, 344, 113390.	2.5	2
9	Saturn in Lyman Î±: A comparison of Cassini and Voyager observations. Icarus, 2020, 339, 113594.	2.5	2
10	Compositional Measurements of Saturn's Upper Atmosphere and Rings from Cassini INMS. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006427.	3.6	5
11	A pole-to-pole pressureâ€“temperature map of Saturnâ€™s thermosphere from Cassini Grand Finale data. Nature Astronomy, 2020, 4, 872-879.	10.1	14
12	Near-ultraviolet Transmission Spectroscopy of HD 209458b: Evidence of Ionized Iron Beyond the Planetary Roche Lobe. Astronomical Journal, 2020, 159, 111.	4.7	34
13	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
14	Atmospheric Waves and Their Possible Effect on the Thermal Structure of Saturn's Thermosphere. Geophysical Research Letters, 2019, 46, 2372-2380.	4.0	20
15	Suppressed Far-UV Stellar Activity and Low Planetary Mass Loss in the WASP-18 System*. Astronomical Journal, 2018, 155, 113.	4.7	45
16	Saturnâ€™s Variable Thermosphere. , 2018, , 224-250.		0
17	Extreme-ultraviolet Radiation from A-stars: Implications for Ultra-hot Jupiters. Astrophysical Journal Letters, 2018, 868, L30.	8.3	32
18	Thermal Structure and Composition of Saturn's Upper Atmosphere From Cassini/Ion Neutral Mass Spectrometer Measurements. Geophysical Research Letters, 2018, 45, 10,951.	4.0	22

#	Article	IF	Citations
19	Upper Atmospheres and Ionospheres of Planets and Satellites. , 2018, , 349-374.		1
20	Atmospheric structure and helium abundance on Saturn from Cassini/UVIS and CIRS observations. Icarus, 2018, 307, 161-171.	2.5	41
21	MAVEN/IUVS Stellar Occultation Measurements of Mars Atmospheric Structure and Composition. Journal of Geophysical Research E: Planets, 2018, 123, 1449-1483.	3.6	56
22	Ultraviolet C ii and Si iii Transit Spectroscopy and Modeling of the Evaporating Atmosphere of GJ436b. Astrophysical Journal Letters, 2017, 834, L17.	8.3	59
23	Aerosol Properties of the Atmospheres of Extrasolar Giant Planets. Astrophysical Journal, 2017, 847, 32.	4.5	69
24	Upper Atmospheres and Ionospheres of Planets and Satellites. , 2017, , 1-26.		0
25	Effect of stellar flares on the upper atmospheres of HD 189733b and HD 209458b. Astronomy and Astrophysics, 2017, 608, A75.	5.1	26
26	The Colorado Ultraviolet Transit Experiment (CUTE): a dedicated cubesat mission for the study of exoplanetary mass loss and magnetic fields. , 2017, , .		5
27	EUV-driven ionospheres and electron transport on extrasolar giant planets orbiting active stars. Astronomy and Astrophysics, 2016, 587, A87.	5.1	19
28	The detection of benzene in Saturn's upper atmosphere. Geophysical Research Letters, 2016, 43, 7895-7901.	4.0	29
29	New benzene absorption cross sections in the VUV, relevance for Titanâ€™s upper atmosphere. Icarus, 2016, 265, 95-109.	2.5	19
30	On the escape of CH₄ from Pluto's atmosphere. Geophysical Research Letters, 2015, 42, 7200-7205.	4.0	4
31	FAR-UV SPECTROSCOPY OF THE PLANET-HOSTING STAR WASP-13: HIGH-ENERGY IRRADIANCE, DISTANCE, AGE, PLANETARY MASS-LOSS RATE, AND CIRCUMSTELLAR ENVIRONMENT. Astrophysical Journal, 2015, 815, 118.	4.5	40
32	Saturnâ€™s variable thermosphere from Cassini/UVIS occultations. Icarus, 2015, 260, 174-189.	2.5	40
33	Probing the Martian atmosphere with MAVEN/IUVS stellar occultations. Geophysical Research Letters, 2015, 42, 9064-9070.	4.0	42
34	Altitude profiles of O2 on Mars from SPICAM stellar occultations. Icarus, 2015, 252, 154-160.	2.5	37
35	XUV-driven mass loss from extrasolar giant planets orbiting active stars. Icarus, 2015, 250, 357-367.	2.5	123
36	TITANâ€™S UPPER ATMOSPHERE FROMCASSINI/UVIS SOLAR OCCULTATIONS. Astrophysical Journal, 2015, 814, 86.	4.5	23

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37	ELECTRODYNAMICS ON EXTRASOLAR GIANT PLANETS. Astrophysical Journal, 2014, 796, 16.	4.5	29
38	ELECTRON DENSITIES AND ALKALI ATOMS IN EXOPLANET ATMOSPHERES. Astrophysical Journal, 2014, 796, 15.	4.5	56
39	Thermal escape from extrasolar giant planets. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20130089.	3.4	31
40	The escape of heavy atoms from the ionosphere of HD209458b. I. A photochemicalâ€“dynamical model of the thermosphere. Icarus, 2013, 226, 1678-1694.	2.5	196
41	The density and temperature structure near the exobase of Saturn from Cassini UVIS solar occultations. Icarus, 2013, 226, 1318-1330.	2.5	36
42	The escape of heavy atoms from the ionosphere of HD209458b. II. Interpretation of the observations. Icarus, 2013, 226, 1695-1708.	2.5	87
43	SOLAR OCCULTATION BY TITAN MEASURED BY CASSINI /UVIS. Astrophysical Journal Letters, 2013, 766, L16.	8.3	9
44	The CH₄ structure in Titan's upper atmosphere revisited. Journal of Geophysical Research, 2012, 117, .	3.3	61
45	The mesosphere and lower thermosphere of Titan revealed by Cassini/UVIS stellar occultations. Icarus, 2011, 216, 507-534.	2.5	124
46	CHARACTERIZING THE THERMOSPHERE OF HD209458b WITH UV TRANSIT OBSERVATIONS. Astrophysical Journal, 2010, 723, 116-128.	4.5	94
47	A stability limit for the atmospheres of giant extrasolar planets. Nature, 2007, 450, 845-848.	27.8	85