

Christopher Lee

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

729
citations

516710

16
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

892
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of resolution on the dynamics of the martian global atmosphere: Varying resolution studies with the MarsWRF GCM. <i>Icarus</i> , 2012, 221, 276-288.	2.5	97
2	Stratospheric superrotation in the TitanWRF model. <i>Icarus</i> , 2011, 213, 636-654.	2.5	81
3	Effects of obliquity and water vapor/trace gas greenhouses in the early martian climate. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 560-576.	3.6	68
4	Automated crater detection on Mars using deep learning. <i>Planetary and Space Science</i> , 2019, 170, 16-28.	1.7	51
5	Development of a fast, accurate radiative transfer model for the Martian atmosphere, past and present. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	50
6	The sensitivity of solsticial pauses to atmospheric ice and dust in the MarsWRF General Circulation Model. <i>Icarus</i> , 2018, 311, 23-34.	2.5	40
7	Simulating Titan's methane cycle with the TitanWRF General Circulation Model. <i>Icarus</i> , 2016, 267, 106-134.	2.5	37
8	Martian atmospheric collapse: Idealized GCM studies. <i>Icarus</i> , 2015, 250, 553-569.	2.5	35
9	The Ashima/MIT Mars GCM and argon in the martian atmosphere. <i>Icarus</i> , 2012, 218, 1043-1070.	2.5	30
10	Analysis of the radiative budget of the Venusian atmosphere based on infrared Net Exchange Rate formalism. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 1186-1200.	3.6	28
11	Convective instability in the martian middle atmosphere. <i>Icarus</i> , 2010, 208, 574-589.	2.5	25
12	A Discrete Ordinate, Multiple Scattering, Radiative Transfer Model of the Venus Atmosphere from 0.1 to 260 μ m. <i>Journals of the Atmospheric Sciences</i> , 2011, 68, 1323-1339.	1.7	23
13	Models of Venus Atmosphere. , 2013, , 129-156.		23
14	An initial assessment of the impact of postulated orbit-spin coupling on Mars dust storm variability in fully interactive dust simulations. <i>Icarus</i> , 2019, 317, 649-668.	2.5	20
15	Habitable Snowballs: Temperate Land Conditions, Liquid Water, and Implications for CO ₂ Weathering. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 2087-2100.	3.6	18
16	Large Eddy Simulations of the Dusty Martian Convective Boundary Layer With MarsWRF. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006752.	3.6	17
17	Investigation of the Spatial Distribution of Methane Sources in the Greater Toronto Area Using Mobile Gas Monitoring Systems. <i>Environmental Science & Technology</i> , 2020, 54, 15671-15679.	10.0	17
18	A bulk cloud parameterization in a Venus General Circulation Model. <i>Icarus</i> , 2010, 206, 662-668.	2.5	16

#	ARTICLE	IF	CITATIONS
19	Automated crater detection with human level performance. <i>Computers and Geosciences</i> , 2021, 147, 104645.	4.2	14
20	ExoPlaSim: Extending the Planet Simulator for exoplanets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 3272-3303.	4.4	11
21	Climate diversity in the solar-like habitable zone due to varying background gas pressure. <i>Icarus</i> , 2021, 358, 114301.	2.5	9
22	Angular momentum conservation in a simplified Venus General Circulation Model. <i>Icarus</i> , 2012, 221, 1173-1176.	2.5	7
23	Climate uncertainties caused by unknown land distribution on habitable M-Earths. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 2761-2769.	4.4	6
24	Interannual, seasonal and regional variations in the Martian convective boundary layer derived from GCM simulations with a semi-interactive dust transport model. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006965.	3.6	3
25	Fundamental challenges to remote sensing of exo-earths. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 3616-3626.	4.4	3