

# William B Moore

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3542897/publications.pdf>

Version: 2024-02-01

18  
papers

1,013  
citations

687363

13  
h-index

940533

16  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1033  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heat-pipe Earth. <i>Nature</i> , 2013, 501, 501-505.	27.8	275
2	Gravitational constraints on the internal structure of Ganymede. <i>Nature</i> , 1996, 384, 541-543.	27.8	243
3	Exoplanet Biosignatures: Future Directions. <i>Astrobiology</i> , 2018, 18, 779-824.	3.0	85
4	Atmospheric Escape Processes and Planetary Atmospheric Evolution. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027639.	2.4	58
5	Heat transport in a convecting layer heated from within and below. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	56
6	Heat-pipe planets. <i>Earth and Planetary Science Letters</i> , 2017, 474, 13-19.	4.4	53
7	Climate–tectonic coupling: Variations in the mean, variations about the mean, and variations in mode. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 1831-1864.	3.6	39
8	Venusian Crustal and Lithospheric Properties from Nonlinear Regressions of Highland Geoid and Topography. <i>Icarus</i> , 1997, 128, 415-428.	2.5	35
9	Dynamics and Thermal History of the Terrestrial Planets, the Moon, and Io. , 2007, , 299-348.		35
10	Breaking Earth’s shell into a global plate network. <i>Nature Communications</i> , 2020, 11, 3621.	12.8	33
11	The efficiency of plate tectonics and nonequilibrium dynamical evolution of planetary mantles. <i>Geophysical Research Letters</i> , 2015, 42, 9255-9260.	4.0	21
12	How habitable zones and super-Earths lead us astray. <i>Nature Astronomy</i> , 2017, 1, .	10.1	20
13	Scaling relationships and physics for mixed heating convection in planetary interiors: Isoviscous spherical shells. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 7598-7617.	3.4	18
14	Heat transport in the Hadean mantle: From heat pipes to plates. <i>Geophysical Research Letters</i> , 2016, 43, 3208-3214.	4.0	17
15	Assessing the Intrinsic Uncertainty and Structural Stability of Planetary Models: 1. Parameterized Thermal–Tectonic History Models. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 2213-2232.	3.6	11
16	A Parameterization for Volcanic Heat Flux in Heat Pipe Planets. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 114-127.	3.6	7
17	Convective and Tectonic Plate Velocities in a Mixed Heating Mantle. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009278.	2.5	6
18	The Impact of Radial and Non–Radial IMF on the Earth’s Magnetopause Size, Shape, and Dawn–Dusk Asymmetry From Global 3D Kinetic Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029528.	2.4	0