

Doug Hemingway

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,051
citations

567281

15
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1236
citing authors

#	ARTICLE	IF	CITATIONS
1	The Gravity Field and Interior Structure of Enceladus. <i>Science</i> , 2014, 344, 78-80.	12.6	339
2	Timing of oceans on Mars from shoreline deformation. <i>Nature</i> , 2018, 555, 643-646.	27.8	91
3	Enceladus's ice shell structure as a window on internal heat production. <i>Icarus</i> , 2019, 332, 111-131.	2.5	77
4	A rigid and weathered ice shell on Titan. <i>Nature</i> , 2013, 500, 550-552.	27.8	71
5	Titan's gravity field and interior structure after Cassini. <i>Icarus</i> , 2019, 326, 123-132.	2.5	64
6	Magnetic field direction and lunar swirl morphology: Insights from Airy and Reiner Gamma. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	55
7	Latitudinal variation in spectral properties of the lunar maria and implications for space weathering. <i>Icarus</i> , 2015, 261, 66-79.	2.5	54
8	Global drainage patterns and the origins of topographic relief on Earth, Mars, and Titan. <i>Science</i> , 2017, 356, 727-731.	12.6	39
9	Rhea gravity field and interior modeling from Cassini data analysis. <i>Icarus</i> , 2016, 264, 264-273.	2.5	34
10	Lunar Swirl Morphology Constrains the Geometry, Magnetization, and Origins of Lunar Magnetic Anomalies. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 2223-2241.	3.6	34
11	Solar wind interaction with the Reiner Gamma crustal magnetic anomaly: Connecting source magnetization to surface weathering. <i>Icarus</i> , 2016, 266, 261-266.	2.5	32
12	The gravity field and interior structure of Dione. <i>Icarus</i> , 2020, 345, 113713.	2.5	31
13	Isostatic equilibrium in spherical coordinates and implications for crustal thickness on the Moon, Mars, Enceladus, and elsewhere. <i>Geophysical Research Letters</i> , 2017, 44, 7695-7705.	4.0	30
14	Magnetization in the South Pole-Aitken basin: Implications for the lunar dynamo and true polar wander. <i>Icarus</i> , 2017, 286, 153-192.	2.5	19
15	Cascading parallel fractures on Enceladus. <i>Nature Astronomy</i> , 2020, 4, 234-239.	10.1	18
16	Simulating the Reiner Gamma Swirl: The Long-Term Effect of Solar Wind Standoff. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006219.	3.6	15
17	A Recipe for the Geophysical Exploration of Enceladus. <i>Planetary Science Journal</i> , 2021, 2, 157.	3.6	14
18	History and Future of the Martian Dynamo and Implications of a Hypothetical Solid Inner Core. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006663.	3.6	13

#	ARTICLE	IF	CITATIONS
19	Lunar magnetic field measurements with a cubesat. Proceedings of SPIE, 2013, , .	0.8	12
20	Iron content determines how space weathering flux variations affect lunar soils. Icarus, 2019, 333, 323-342.	2.5	9