Naor Movshovitz

List of Publications by Year
in descending order

15	961	759233 12	996975 15
papers	citations	h-index	g-index

16	16	16	1134
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparing Jupiter interior structure models to Juno gravity measurements and the role of a dilute core. Geophysical Research Letters, 2017, 44, 4649-4659.	4.0	265
2	Formation of Jupiter using opacities based on detailed grain physics. Icarus, 2010, 209, 616-624.	2.5	190
3	Chondrule formation during planetesimal accretion. Earth and Planetary Science Letters, 2011, 308, 369-379.	4.4	125
4	The opacity of grains in protoplanetary atmospheres. Icarus, 2008, 194, 368-378.	2.5	70
5	Cassini Ring Seismology as a Probe of Saturnâ€™s Interior. I. Rigid Rotation. Astrophysical Journal, 2019, 871, 1.	4.5	70
6	Experimental determination of the coefficient of restitution for meter-scale granite spheres. Icarus, 2011, 211, 849-855.	2.5	45
7	Momentum enhancement from aluminum striking granite and the scale size effect. International Journal of Impact Engineering, 2013, 56, 12-18.	5.0	36
8	NUMERICAL MODELING OF THE DISRUPTION OF COMET D/1993 F2 SHOEMAKER-LEVY 9 REPRESENTING THE PROGENITOR BY A GRAVITATIONALLY BOUND ASSEMBLAGE OF RANDOMLY SHAPED POLYHEDRA. Astrophysical Journal, 2012, 759, 93.	4.5	34
9	Impact disruption of gravity-dominated bodies: New simulation data and scaling. Icarus, 2016, 275, 85-96.	2.5	29
10	Theory of Figures to the Seventh Order and the Interiors of Jupiter and Saturn. Planetary Science Journal, 2021, 2, 241.	3.6	26
11	Disruption and reaccretion of midsized moons during an outer solar system Late Heavy Bombardment. Geophysical Research Letters, 2015, 42, 256-263.	4.0	24
12	Saturnâ€™s Probable Interior: An Exploration of Saturnâ€™s Potential Interior Density Structures. Astrophysical Journal, 2020, 891, 109.	4.5	24
13	Scale Size Effect in Momentum Enhancement. Procedia Engineering, 2013, 58, 240-250.	1.2	11
14	Connecting the Gravity Field, Moment of Inertia, and Core Properties in Jupiter through Empirical Structural Models. Astrophysical Journal, 2021, 910, 38.	4.5	6
15	The Promise and Limitations of Precision Gravity: Application to the Interior Structure of Uranus and Neptune. Planetary Science Journal, 2022, 3, 88.	3.6	6