David A Minton

List of Publications by Year in descending order

29 papers	1,633 citations	394421 19 h-index	477307 29 g-index
29 all docs	29 docs citations	29 times ranked	1780 citing authors

#	Article	IF	Citations
1	An Archaean heavy bombardment from a destabilized extension of the asteroid belt. Nature, 2012, 485, 78-81.	27.8	345
2	Impact jetting as the origin of chondrules. Nature, 2015, 517, 339-341.	27.8	145
3	Dynamical erosion of the asteroid belt and implications for large impacts in the inner Solar System. Icarus, 2010, 207, 744-757.	2.5	144
4	A record of planet migration in the main asteroid belt. Nature, 2009, 457, 1109-1111.	27.8	143
5	SECULAR RESONANCE SWEEPING OF THE MAIN ASTEROID BELT DURING PLANET MIGRATION. Astrophysical Journal, 2011, 732, 53.	4.5	90
6	Spherule layers, crater scaling laws, and the population of ancient terrestrial impactors. Icarus, 2016, 271, 350-359.	2.5	74
7	Impact bombardment of the terrestrial planets and the early history of the Solar System. Nature Geoscience, 2013, 6, 520-524.	12.9	66
8	Projectile remnants in central peaks of lunar impact craters. Nature Geoscience, 2013, 6, 435-437.	12.9	60
9	Assessing the Massive Young Sun Hypothesis to Solve the Warm Young Earth Puzzle. Astrophysical Journal, 2007, 660, 1700-1706.	4.5	49
10	Re-examining the main asteroid belt as the primary source of ancient lunar craters. Icarus, 2015, 247, 172-190.	2.5	49
11	An ongoing satelliteâ€“ring cycle of Mars and the origins of Phobos and Deimos. Nature Geoscience, 2017, 10, 266-269.	12.9	49
12	The equilibrium size-frequency distribution of small craters reveals the effects of distal ejecta on lunar landscape morphology. Icarus, 2019, 326, 63-87.	2.5	49
13	Dynamic sublimation pressure and the catastrophic breakup of Comet ISON. Icarus, 2015, 258, 430-437.	2.5	41
14	Heterogeneous impact transport on the Moon. Journal of Geophysical Research E: Planets, 2017, 122, 1158-1180.	3.6	41
15	Timing of the formation and migration of giant planets as constrained by CB chondrites. Science Advances, 2016, 2, e1601658.	10.3	38
16	Prospects for the Habitability of OGLE-2006-BLG-109L. Astrophysical Journal, 2008, 683, L67-L70.	4.5	30
17	Evidence for rapid topographic evolution and crater degradation on Mercury from simple crater morphometry. Geophysical Research Letters, 2017, 44, 5326-5335.	4.0	28
18	Planetesimal-driven migration of terrestrial planet embryos. Icarus, 2014, 232, 118-132.	2.5	26

#	Article	IF	Citations
19	An analytical model of crater count equilibrium. Icarus, 2017, 289, 134-143.	2.5	26
20	Resurfacing asteroids from YORP spin-up and failure. Icarus, 2018, 304, 162-171.	2.5	22
21	The topographic limits of gravitationally bound, rotating sand piles. Icarus, 2008, 195, 698-704.	2.5	21
22	Resurfacing asteroids from thermally induced surface degradation. Icarus, 2019, 322, 1-12.	2.5	17
23	Impact-produced seismic shaking and regolith growth on asteroids 433 Eros, 2867 Åteins, and 25143 Itokawa. Icarus, 2020, 347, 113811.	2.5	17
24	No Change in the Recent Lunar Impact Flux Required Based on Modeling of Impact Glass Spherule Age Distributions. Geophysical Research Letters, 2018, 45, 6805-6813.	4.0	16
25	The length of lunar crater rays explained using secondary crater scaling. Icarus, 2018, 312, 231-246.	2.5	12
26	Three Dynamical Evolution Regimes for Coupled Ring-satellite Systems and Implications for the Formation of the Uranian Satellite Miranda. Astronomical Journal, 2019, 157, 30.	4.7	12
27	Degradation of Small Simple and Large Complex Lunar Craters: Not a Simple Scale Dependence. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006273.	3.6	10
28	Bombardment history of the Moon constrained by crustal porosity. Nature Geoscience, 2022, 15, 531-535.	12.9	7
29	Evidence for a Past Martian Ring from the Orbital Inclination of Deimos. Astrophysical Journal Letters, 2020, 896, L28.	8.3	6