Dennis Harries

List of Publications by Year
in descending order

35 papers	790 citations	471509 17 h-index	501196 28 g-index
35 all docs	35 docs citations	35 times ranked	1232 citing authors

#	Article	IF	Citations
1	High pressure metalâ€“silicate partitioning of Ni, Co, V, Cr, Si, and O. Geochimica Et Cosmochimica Acta, 2015, 167, 177-194.	3.9	178
2	Fate of MgSiO ₃ melts at coreâ€“mantle boundary conditions. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14186-14190.	7.1	72
3	The nanoscale mineralogy of Fe,Ni sulfides in pristine and metamorphosed <scp>CM</scp> and <scp>CM</scp>/<scp>CI</scp>â€like chondrites: Tapping a petrogenetic record. Meteoritics and Planetary Science, 2013, 48, 879-903.	1.6	44
4	Vestaite, (Ti4+Fe2+)Ti34+O9, a new mineral in the shocked eucrite Northwest Africa 8003. American Mineralogist, 2018, 103, 1502-1511.	1.9	37
5	Iron whiskers on asteroid Itokawa indicate sulfide destruction by space weathering. Nature Communications, 2020, 11, 1117.	12.8	30
6	Carbide-metal assemblages in a sample returned from asteroid 25143 Itokawa: Evidence for methane-rich fluids during metamorphism. Geochimica Et Cosmochimica Acta, 2018, 222, 53-73.	3.9	28
7	The old, unique C1 chondrite Flensburg â€“ Insight into the first processes of aqueous alteration, brecciation, and the diversity of water-bearing parent bodies and lithologies. Geochimica Et Cosmochimica Acta, 2021, 293, 142-186.	3.9	28
8	Translation interface modulation in NC-pyrrhotites: Direct imaging by TEM and a model toward understanding partially disordered structural states. American Mineralogist, 2011, 96, 716-731.	1.9	27
9	Femtosecond laser irradiation of olivine single crystals: Experimental simulation of space weathering. Icarus, 2018, 299, 240-252.	2.5	26
10	The mineralogy and space weathering of a regolith grain from 25143 Itokawa and the possibility of annealed solar wind damage. Earth, Planets and Space, 2014, 66, .	2.5	23
11	Homogeneity testing of microanalytical reference materials by electron probe microanalysis (EPMA). Chemie Der Erde, 2014, 74, 375-384.	2.0	23
12	Reactive ammonia in the solar protoplanetary disk and the origin of Earthâ€™s nitrogen. Nature Geoscience, 2015, 8, 97-101.	12.9	21
13	Oxidative dissolution of 4C- and NC-pyrrhotite: Intrinsic reactivity differences, pH dependence, and the effect of anisotropy. Geochimica Et Cosmochimica Acta, 2013, 102, 23-44.	3.9	20
14	The Stubenberg meteoriteâ€”An <scp>LL</scp>6 chondrite fragmental breccia recovered soon after precise prediction of the strewn field. Meteoritics and Planetary Science, 2017, 52, 1683-1703.	1.6	20
15	Calcium carbonates: induced biomineralization with controlled macromorphology. Biogeosciences, 2017, 14, 4867-4878.	3.3	20
16	The presolar grain inventory of fineâ€grained chondrule rims in the Migheiâ€type (<scp>CM</scp>) chondrites. Meteoritics and Planetary Science, 2020, 55, 1176-1206.	1.6	20
17	Structural clues to the origin of refractory metal alloys as condensates of the solar nebula. Meteoritics and Planetary Science, 2012, 47, 2148-2159.	1.6	18
18	Space weathering of iron sulfides in the lunar surface environment. Geochimica Et Cosmochimica Acta, 2021, 299, 69-84.	3.9	18

#	Article	IF	Citations
19	Mineralogy and defect microstructure of an olivine-dominated Itokawa dust particle: evidence for shock metamorphism, collisional fragmentation, and LL chondrite origin. Earth, Planets and Space, 2014, 66, 118.	2.5	16
20	The Braunschweig meteorite â˜ a recent L6 chondrite fall in Germany. Chemie Der Erde, 2017, 77, 207-224.	2.0	16
21	Secondary submicrometer impact cratering on the surface of asteroid 25143 Itokawa. Earth and Planetary Science Letters, 2016, 450, 337-345.	4.4	15
22	Northwest Africa 11024â€"A heated and dehydrated unique carbonaceous (CM) chondrite. Meteoritics and Planetary Science, 2019, 54, 328-356.	1.6	15
23	The polymict carbonaceous breccia Aguas Zarcas: A potential analog to samples being returned by the OSIRISâ€REx and Hayabusa2 missions. Meteoritics and Planetary Science, 2021, 56, 277-310.	1.6	14
24	Iron deficiency in pyrrhotite of suevites from the Chesapeake Bay impact crater, USAâ€"A consequence of shock metamorphism?. Meteoritics and Planetary Science, 2012, 47, 277-295.	1.6	10
25	Mineralogy of iron sulfides in <scp>CM</scp>1 and <scp>CI</scp>1 lithologies of the Kaidun breccia: Records of extreme to intense hydrothermal alteration. Meteoritics and Planetary Science, 2016, 51, 1096-1109.	1.6	10
26	Composition and clues to the origin of refractory metal nuggets extracted from chondritic meteorites. Meteoritics and Planetary Science, 2014, 49, 1888-1901.	1.6	9
27	WÃ¼stite in the fusion crust of Almahata Sitta sulfideâ€metal assemblage <scp>MS</scp>â€166: Evidence for oxygen in metallic melts. Meteoritics and Planetary Science, 2013, 48, 730-743.	1.6	7
28	Sulfideâ€"oxide assemblages in Acfer 094â€"Clues to nebular metalâ€"gas interactions. Meteoritics and Planetary Science, 2018, 53, 187-203.	1.6	7
29	Petrological evidence for the existence and disruption of a 500 km-sized differentiated planetesimal of enstatite-chondritic parentage. Earth and Planetary Science Letters, 2020, 548, 116506.	4.4	5
30	Non-stoichiometry, defects and superstructures in sulfide and oxide minerals. , 0, , 261-295.		5
31	Unique mineral assemblages of shock-induced titanium-rich melt pockets in eucrite Northwest Africa 8003. Chemie Der Erde, 2019, 79, 125541.	2.0	4
32	Interface Processes and Anomalous Oxygen Transport in Rapid Metal Oxidation and Magnetite Formation at Protoplanetary Conditions. ACS Earth and Space Chemistry, 2019, 3, 2207-2224.	2.7	3
33	Homogeneity Testing at the Micrometer Scale. Microscopy Today, 2017, 25, 28-35.	0.3	1
34	Homogeneity Testing of Microanalytical Reference Materials by Electron Probe Microanalysis. Microscopy and Microanalysis, 2015, 21, 2195-2196.	0.4	0
35	Reproducing space weathering of olivine by using high-energy femtosecond laser pulses. Proceedings of SPIE, 2017, , .	0.8	0