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	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
2	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
3	Space weathering of iron sulfides in the lunar surface environment. Geochimica Et Cosmochimica Acta, 2021, 299, 69-84.	3.9	18
4	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
5	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
6	Iron whiskers on asteroid Itokawa indicate sulfide destruction by space weathering. Nature Communications, 2020, 11, 1117.	12.8	30
7	Unique mineral assemblages of shock-induced titanium-rich melt pockets in eucrite Northwest Africa 8003. Chemie Der Erde, 2019, 79, 125541.	2.0	4
8	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
9	Northwest Africa 11024â€”A heated and dehydrated unique carbonaceous (CM) chondrite. Meteoritics and Planetary Science, 2019, 54, 328-356.	1.6	15
10	Sulfideâ€“oxide assemblages in Acfer 094â€”Clues to nebular metalâ€–gas interactions. Meteoritics and Planetary Science, 2018, 53, 187-203.	1.6	7
11	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
12	Femtosecond laser irradiation of olivine single crystals: Experimental simulation of space weathering. Icarus, 2018, 299, 240-252.	2.5	26
13	Vestaite, (Ti4+Fe2+)Ti34+O9, a new mineral in the shocked eucrite Northwest Africa 8003. American Mineralogist, 2018, 103, 1502-1511.	1.9	37
14	Reproducing space weathering of olivine by using high-energy femtosecond laser pulses. Proceedings of SPIE, 2017, , .	0.8	0
15	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
16	The Braunschweig meteorite â˜ a recent L6 chondrite fall in Germany. Chemie Der Erde, 2017, 77, 207-224.	2.0	16
17	Homogeneity Testing at the Micrometer Scale. Microscopy Today, 2017, 25, 28-35.	0.3	1
18	Calcium carbonates: induced biomineralization with controlled macromorphology. Biogeosciences, 2017, 14, 4867-4878.	3.3	20

#	Article	IF	Citations
19	Secondary submicrometer impact cratering on the surface of asteroid 25143 Itokawa. Earth and Planetary Science Letters, 2016, 450, 337-345.	4.4	15
20	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
21	Homogeneity Testing of Microanalytical Reference Materials by Electron Probe Microanalysis. Microscopy and Microanalysis, 2015, 21, 2195-2196.	0.4	0
22	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
23	Reactive ammonia in the solar protoplanetary disk and the origin of Earthâ€™s nitrogen. Nature Geoscience, 2015, 8, 97-101.	12.9	21
24	High pressure metalâ€“silicate partitioning of Ni, Co, V, Cr, Si, and O. Geochimica Et Cosmochimica Acta, 2015, 167, 177-194.	3.9	178
25	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
26	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
27	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
28	Homogeneity testing of microanalytical reference materials by electron probe microanalysis (EPMA). Chemie Der Erde, 2014, 74, 375-384.	2.0	23
29	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
30	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
31	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
32	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
33	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
34	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
35	Non-stoichiometry, defects and superstructures in sulfide and oxide minerals. , 0, , 261-295.		5