Lawrence A Taylor

List of Publications by Year
in descending order

22 papers	1,585 citations	516710 16 h-index	677142 22 g-index
22 all docs	22 docs citations	22 times ranked	1319 citing authors

#	Article	IF	Citations
1	Lunar Mare Soils: Space weathering and the major effects of surface-correlated nanophase Fe. Journal of Geophysical Research, 2001, 106, 27985-27999.	3.3	270
2	Vesta as the howardite, eucrite and diogenite parent body: Implications for the size of a core and for largeâ€scale differentiation. Meteoritics and Planetary Science, 1997, 32, 825-840.	1.6	200
3	Eclogites with Oceanic Crustal and Mantle Signatures from the Bellsbank Kimberlite, South Africa, Part I: Mineralogy, Petrography, and Whole Rock Chemistry. Journal of Geology, 1989, 97, 551-567.	1.4	196
4	Diamonds: time capsules from the Siberian Mantle. Chemie Der Erde, 2004, 64, 1-74.	2.0	129
5	Evolution of the martian mantle inferred from the 187Reâ€“187Os isotope and highly siderophile element abundance systematics of shergottite meteorites. Geochimica Et Cosmochimica Acta, 2012, 76, 206-235.	3.9	117
6	Martian meteorite Dhofar 019: A new shergottite. Meteoritics and Planetary Science, 2002, 37, 1107-1128.	1.6	108
7	Diamonds and Their Mineral Inclusions, and What They Tell Us: A Detailed â€œPull-Apartâ€•of a Diamondiferous Eclogite. International Geology Review, 2000, 42, 959-983.	2.1	82
8	Comparative petrology, geochemistry, and petrogenesis of evolved, low-Ti lunar mare basalt meteorites from the LaPaz Icefield, Antarctica. Geochimica Et Cosmochimica Acta, 2006, 70, 1581-1600.	3.9	78
9	Petrogenesis of lunar highlands meteorites: Dhofar 025, Dhofar 081, Dar al Gani 262, and Dar al Gani 400. Meteoritics and Planetary Science, 2004, 39, 503-529.	1.6	52
10	Petrogenesis of lunar meteorite EET 96008. Geochimica Et Cosmochimica Acta, 2003, 67, 3499-3518.	3.9	50
11	Petrogenesis of lunar mare basalt meteorite Miller Range 05035. Meteoritics and Planetary Science, 2009, 44, 261-284.	1.6	50
12	Extreme Chemical Diversity in the Mantle during Eclogitic Diamond Formation: Evidence from 35 Garnet and 5 Pyroxene Inclusions in a Single Diamond. International Geology Review, 1998, 40, 567-578.	2.1	49
13	Mineral inclusions in diamonds may be synchronous but not syngenetic. Nature Communications, 2017, 8, 14168.	12.8	46
14	KREEPy lunar meteorite Dhofar 287A: A new lunar mare basalt. Meteoritics and Planetary Science, 2003, 38, 485-499.	1.6	44
15	The significance of mineral inclusions in large diamonds from Yakutia, Russia. American Mineralogist, 2003, 88, 912-920.	1.9	41
16	Low water contents in diamond mineral inclusions: Proto-genetic origin in a dry cratonic lithosphere. Earth and Planetary Science Letters, 2016, 433, 125-132.	4.4	31
17	Dacite formation on Vesta: Partial melting of the eucritic crust. Meteoritics and Planetary Science, 2017, 52, 1173-1196.	1.6	16
18	Mgâ€rich harzburgites from Vesta: Mantle residua or cumulates from planetary differentiation?. Meteoritics and Planetary Science, 2018, 53, 514-546.	1.6	8

#	Article	IF	Citations
19	The origin of alteration â€œorangettesâ€•in Dhofar 019: Implications for the age and aqueous history of the shergottites. Meteoritics and Planetary Science, 2017, 52, 2695-2706.	1.6	7
20	New lunar meteorite <scp>NWA</scp> 10986: A mingled impact melt breccia from the highlandsâ€”A complete cross section of the lunar crust. Meteoritics and Planetary Science, 2019, 54, 3018-3035.	1.6	7
21	Disintegration of lunar samples over time: A test. Meteoritics and Planetary Science, 2018, 53, 1096-1103.	1.6	3
22	Integrity of lunar soil samples. Nature Geoscience, 2016, 9, 87-87.	12.9	1