

Lars E Borg

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

3,132
citations

218677

26
h-index

377865

34
g-index

35
all docs

35
docs citations

35
times ranked

1896
citing authors

#	ARTICLE	IF	CITATIONS
1	The gallium isotopic composition of the Moon. <i>Earth and Planetary Science Letters</i> , 2022, 578, 117318.	4.4	9
2	The origin of volatile elements in the Earth-Moon system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	8
3	Samarium isotope compositions of uranium ore concentrates: A novel nuclear forensic signature. <i>Talanta</i> , 2021, 221, 121431.	5.5	9
4	The great isotopic dichotomy of the early Solar System. <i>Nature Astronomy</i> , 2020, 4, 32-40.	10.1	117
5	Constraining the behavior of gallium isotopes during evaporation at extreme temperatures. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 286, 54-71.	3.9	13
6	The formation and evolution of the Moon's crust inferred from the Sm-Nd isotopic systematics of highlands rocks. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 290, 312-332.	3.9	21
7	Onset of magma ocean solidification on Mars inferred from Mn-Cr chronometry. <i>Earth and Planetary Science Letters</i> , 2020, 542, 116315.	4.4	19
8	The timing of lunar solidification and mantle overturn recorded in ferroan anorthosite 62237. <i>Earth and Planetary Science Letters</i> , 2020, 538, 116219.	4.4	18
9	Isotopic evidence for a young lunar magma ocean. <i>Earth and Planetary Science Letters</i> , 2019, 523, 115706.	4.4	40
10	Experimental determination of Zn isotope fractionation during evaporative loss at extreme temperatures. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 259, 391-411.	3.9	34
11	Isotopic coherence of refractory inclusions from CV and CK meteorites: Evidence from multiple isotope systems. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 228, 62-80.	3.9	24
12	Chronologic implications for slow cooling of troctolite 76535 and temporal relationships between the Mg-suite and the ferroan anorthosite suite. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 201, 377-391.	3.9	36
13	The Northwest Africa 8159 martian meteorite: Expanding the martian sample suite to the early Amazonian. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 218, 1-26.	3.9	58
14	The early differentiation of Mars inferred from Hf-W chronometry. <i>Earth and Planetary Science Letters</i> , 2017, 474, 345-354.	4.4	69
15	Accretion timescale and impact history of Mars deduced from the isotopic systematics of martian meteorites. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 175, 150-167.	3.9	68
16	Sm-Nd systematics of lunar ferroan anorthositic suite rocks: Constraints on lunar crust formation. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 148, 203-218.	3.9	36
17	A review of lunar chronology revealing a preponderance of 4.34-4.37 Ga ages. <i>Meteoritics and Planetary Science</i> , 2015, 50, 715-732.	1.6	122
18	Origin of the lunar highlands Mg-suite: An integrated petrology, geochemistry, chronology, and remote sensing perspective. <i>American Mineralogist</i> , 2015, 100, 294-325.	1.9	110

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19	Rb-Sr, Sm-Nd and Lu-Hf isotope systematics of the lunar Mg-suite: the age of the lunar crust and its relation to the time of Moon formation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2014, 372, 20130246.	3.4	78
20	Samarium-neodymium chronology and rubidium-strontium systematics of an Allende calcium-aluminum-rich inclusion with implications for ¹⁴⁶ Sm half-life. <i>Earth and Planetary Science Letters</i> , 2014, 405, 15-24.	4.4	77
21	A young solidification age for the lunar magma ocean. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 140, 227-240.	3.9	79
22	Chronological evidence that the Moon is either young or did not have a global magma ocean. <i>Nature</i> , 2011, 477, 70-72.	27.8	202
23	Natural variations in uranium isotope ratios of uranium ore concentrates: Understanding the ²³⁸ U/ ²³⁵ U fractionation mechanism. <i>Earth and Planetary Science Letters</i> , 2010, 291, 228-233.	4.4	165
24	Mechanisms for incompatible-element enrichment on the Moon deduced from the lunar basaltic meteorite Northwest Africa 032. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 3963-3980.	3.9	78
25	The age of the martian meteorite Northwest Africa 1195 and the differentiation history of the shergottites. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 1696-1710.	3.9	125
26	4. Thermal and Magmatic Evolution of the Moon. , 2006, , 365-518.		70
27	Constraints on the U-Pb isotopic systematics of Mars inferred from a combined U-Pb, Rb-Sr, and Sm-Nd isotopic study of the Martian meteorite Zagami. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 5819-5830.	3.9	98
28	A review of meteorite evidence for the timing of magmatism and of surface or near-surface liquid water on Mars. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	110
29	A petrogenetic model for the origin and compositional variation of the martian basaltic meteorites. <i>Meteoritics and Planetary Science</i> , 2003, 38, 1713-1731.	1.6	195
30	Chronology, geochemistry, and petrology of a ferroan noritic anorthosite clast from Descartes breccia 67215: Clues to the age, origin, structure, and impact history of the lunar crust. <i>Meteoritics and Planetary Science</i> , 2003, 38, 645-661.	1.6	179
31	The age of Dar al Gani 476 and the differentiation history of the martian meteorites inferred from their radiogenic isotopic systematics. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 3519-3536.	3.9	159
32	Oxygen fugacity and geochemical variations in the martian basalts: implications for martian basalt petrogenesis and the oxidation state of the upper mantle of Mars. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 2025-2036.	3.9	257
33	Constraints on the petrogenesis of Martian meteorites from the Rb-Sr and Sm-Nd isotopic systematics of the Iherzolitic shergottites ALH77005 and LEW88516. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 2037-2053.	3.9	103
34	Isotopic studies of ferroan anorthosite 62236: a young lunar crustal rock from a light rare-earth-element-depleted source. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 2679-2691.	3.9	107
35	Constraints on Martian differentiation processes from Rb-Sr and Sm-Nd isotopic analyses of the basaltic shergottite QUE 94201. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 4915-4931.	3.9	239