

Alexander Meshik

List of Publications by Year in descending order

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25
papers

847
citations

623734

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all docs

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docs citations

25
times ranked

755
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term retention and chemical fractionation of fissionogenic Cs and Tc in Oklo natural nuclear reactor fuel. <i>Applied Geochemistry</i> , 2021, 131, 105047.	3.0	3
2	Refined composition of Solar Wind xenon delivered by Genesis NASA mission: Comparison with xenon captured by extraterrestrial regolith soils. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 276, 289-298.	3.9	8
3	Potassium isotope fractionation during high-temperature evaporation determined from the Trinity nuclear test. <i>Chemical Geology</i> , 2019, 522, 84-92.	3.3	13
4	Primordial heavy noble gases in the pristine Paris carbonaceous chondrite. <i>Meteoritics and Planetary Science</i> , 2019, 54, 395-414.	1.6	15
5	Discovery of fissionogenic Cs and Ba capture five years after Oklo reactor shutdown. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8676-8681.	7.1	7
6	^{136}Xe systematics of the impact plume produced chondrules from the CB carbonaceous chondrites: Implications for the half-life value of ^{129}I and absolute age normalization of ^{129}I – ^{129}Xe chronometer. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 201, 320-330.	3.9	19
7	Evaporative fractionation of zinc during the first nuclear detonation. <i>Science Advances</i> , 2017, 3, e1602668.	10.3	38
8	Heavy noble gases in solar wind delivered by Genesis mission. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 127, 326-347.	3.9	87
9	^{136}Xe ages of Campo del Cielo silicates as a record of the complex early history of the IAB parent body. <i>Meteoritics and Planetary Science</i> , 2013, 48, 2480-2490.	1.6	5
10	Cosmogenic neon in grains separated from individual chondrules: Evidence of precompaction exposure in chondrules. <i>Meteoritics and Planetary Science</i> , 2012, 47, 1869-1883.	1.6	9
11	Interpreting the ^{136}Xe system in individual silicate grains from Toluca IAB. <i>Meteoritics and Planetary Science</i> , 2009, 44, 1787-1796.	1.6	1
12	^{130}Te and ^{128}Te double beta decay half-lives. <i>Nuclear Physics A</i> , 2008, 809, 275-289.	1.5	16
13	Elemental Abundances of the Bulk Solar Wind: Analyses from Genesis and ACE. <i>Space Science Reviews</i> , 2007, 130, 79-86.	8.1	50
14	Solar and Solar-Wind Composition Results from the Genesis Mission. <i>Space Science Reviews</i> , 2007, 130, 161-171.	8.1	10
15	Record of Cycling Operation of the Natural Nuclear Reactor in the Oklo/Okelobondo Area in Gabon. <i>Physical Review Letters</i> , 2004, 93, 182302.	7.8	54
16	Trapped Xe and I-Xe ages in aqueously altered CV3 meteorites. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 4745-4763.	3.9	10
17	Presolar diamond, silicon carbide, and graphite in carbonaceous chondrites: implications for thermal processing in the solar nebula. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 4823-4848.	3.9	181
18	The I-Xe record of alteration in the allende CV chondrite. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 5011-5026.	3.9	29

#	ARTICLE	IF	CITATIONS
19	Active capture and anomalous adsorption: New mechanisms for the incorporation of heavy noble gases. <i>Meteoritics and Planetary Science</i> , 2002, 37, 257-267.	1.6	42
20	Xenon geochronology of Schwarzwald pitchblendes. <i>Mineralium Deposita</i> , 2000, 35, 190-205.	4.1	16
21	Anomalous xenon in zone 13 Okelobondo. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 1651-1661.	3.9	21
22	Reexamination of anomalous I-Xe ages: Orgueil and Murchison magnetites and Allegan feldspar. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 4257-4262.	3.9	25
23	Verification and interpretation of the I-Xe chronometer. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 739-760.	3.9	113
24	Secular changes in the xenon and krypton abundances in the solar wind recorded in single lunar grains. <i>Nature</i> , 1996, 384, 46-49.	27.8	66
25	Chemically fractionated fission-xenon in meteorites and on the earth. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 3075-3092.	3.9	9