

Zhengbin Deng

List of Publications by Year in descending order

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papers

687
citations

623734

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times ranked

631
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#	ARTICLE	IF	CITATIONS
1	Stable isotope geochemistry of silicon in granitoid zircon. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 316, 273-294.	3.9	11
2	Determination of the zirconium isotopic composition of the new isotopic standard NRC ZIRC-1 using MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 656-662.	3.0	6
3	Simultaneous determination of mass-dependent Mg isotopic variations and radiogenic ²⁶ Mg by laser ablation-MC-ICP-MS and implications for the formation of chondrules. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 299, 163-183.	3.9	5
4	Experimental investigation of elemental and isotopic evaporation processes by laser heating in an aerodynamic levitation furnace. <i>Comptes Rendus - Geoscience</i> , 2021, 353, 101-114.	1.2	0
5	The internal structure and geodynamics of Mars inferred from a 4.2-Gyr zircon record. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30973-30979.	7.1	33
6	Early oxidation of the martian crust triggered by impacts. <i>Science Advances</i> , 2020, 6, .	10.3	26
7	Metal-silicate silicon isotopic fractionation and the composition of the bulk Earth. <i>Earth and Planetary Science Letters</i> , 2020, 549, 116468.	4.4	11
8	Silicon isotope measurement in zircon by laser ablation multiple collector inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1597-1606.	3.0	8
9	Mass-independent fractionation of titanium isotopes and its cosmochemical implications. <i>Nature Astronomy</i> , 2020, 4, 762-768.	10.1	7
10	High-precision <i>in situ</i> silicon isotopic analyses by multi-collector secondary ion mass spectrometry in olivine and low-calcium pyroxene. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 1589-1597.	1.5	12
11	An oceanic subduction origin for Archaean granitoids revealed by silicon isotopes. <i>Nature Geoscience</i> , 2019, 12, 774-778.	12.9	55
12	Isotopic fractionation of zirconium during magmatic differentiation and the stable isotope composition of the silicate Earth. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 250, 311-323.	3.9	50
13	Titanium isotopes as a tracer for the plume or island arc affinity of felsic rocks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1132-1135.	7.1	64
14	Lack of resolvable titanium stable isotopic variations in bulk chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 239, 409-419.	3.9	21
15	High-precision zirconium stable isotope measurements of geological reference materials as measured by double-spike MC-ICPMS. <i>Chemical Geology</i> , 2018, 493, 544-552.	3.3	53
16	In Situ Analysis of Non-Traditional Isotopes by SIMS and LA-MC-ICP-MS: Key Aspects and the Example of Mg Isotopes in Olivines and Silicate Glasses. <i>Reviews in Mineralogy and Geochemistry</i> , 2017, 82, 127-163.	4.8	20
17	The geochemical evolution of the granitoid rocks in the South Qinling Belt: Insights from the Dongjiangkou and Zhashui intrusions, central China. <i>Lithos</i> , 2017, 278-281, 195-214.	1.4	33
18	A westward propagating slab tear model for Late Triassic Qinling Orogenic Belt geodynamic evolution: Insights from the petrogenesis of the Caoping and Shahewan intrusions, central China. <i>Lithos</i> , 2016, 262, 486-506.	1.4	47

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19	Chronology and tectonic implications of Neoproterozoic blocks in the South Qinling Orogenic Belt, Central China. <i>Gondwana Research</i> , 2016, 30, 24-47.	6.0	69
20	Petrogenesis of the Guangtoushan granitoid suite, central China: Implications for Early Mesozoic geodynamic evolution of the Qinling Orogenic Belt. <i>Gondwana Research</i> , 2016, 30, 112-131.	6.0	52
21	Late Paleoproterozoic geodynamics of the North China Craton: Geochemical and zircon U-Pb-Hf records from a volcanic suite in the Yanliao rift. <i>Gondwana Research</i> , 2015, 27, 300-325.	6.0	73
22	Geochemistry, zircon U-Pb and Lu-Hf isotopes of an Early Cretaceous intrusive suite in northeastern Jiangxi Province, South China Block: Implications for petrogenesis, crust/mantle interactions and geodynamic processes. <i>Lithos</i> , 2014, 200-201, 334-354.	1.4	31