Zhengbin Deng

List of Publications by Year
in descending order

22	687	623734 14	713466 21
papers	citations	h-index	g-index

22	22	22	631
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Late Paleoproterozoic geodynamics of the North China Craton: Geochemical and zircon Uâ€“Pbâ€“Hf records from a volcanic suite in the Yanliao rift. Gondwana Research, 2015, 27, 300-325.	6.0	73
2	Chronology and tectonic implications of Neoproterozoic blocks in the South Qinling Orogenic Belt, Central China. Gondwana Research, 2016, 30, 24-47.	6.0	69
3	Titanium isotopes as a tracer for the plume or island arc affinity of felsic rocks. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1132-1135.	7.1	64
4	An oceanic subduction origin for Archaean granitoids revealed by silicon isotopes. Nature Geoscience, 2019, 12, 774-778.	12.9	55
5	High-precision zirconium stable isotope measurements of geological reference materials as measured by double-spike MC-ICPMS. Chemical Geology, 2018, 493, 544-552.	3.3	53
6	Petrogenesis of the Guangtoushan granitoid suite, central China: Implications for Early Mesozoic geodynamic evolution of the Qinling Orogenic Belt. Gondwana Research, 2016, 30, 112-131.	6.0	52
7	Isotopic fractionation of zirconium during magmatic differentiation and the stable isotope composition of the silicate Earth. Geochimica Et Cosmochimica Acta, 2019, 250, 311-323.	3.9	50
8	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. Lithos, 2016, 262, 486-506.	1.4	47
9	The geochemical evolution of the granitoid rocks in the South Qinling Belt: Insights from the Dongjiangkou and Zhashui intrusions, central China. Lithos, 2017, 278-281, 195-214.	1.4	33
10	The internal structure and geodynamics of Mars inferred from a 4.2-Gyr zircon record. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30973-30979.	7.1	33
11	Geochemistry, zircon Uâ€“Pb and Luâ€“Hf isotopes of an Early Cretaceous intrusive suite in northeastern Jiangxi Province, South China Block: Implications for petrogenesis, crust/mantle interactions and geodynamic processes. Lithos, 2014, 200-201, 334-354.	1.4	31
12	Early oxidation of the martian crust triggered by impacts. Science Advances, 2020, 6, .	10.3	26
13	Lack of resolvable titanium stable isotopic variations in bulk chondrites. Geochimica Et Cosmochimica Acta, 2018, 239, 409-419.	3.9	21
14	In Situ Analysis of Non-Traditional Isotopes by SIMS and LAâ€“MCâ€“ICPâ€“MS: Key Aspects and the Example of Mg Isotopes in Olivines and Silicate Glasses. Reviews in Mineralogy and Geochemistry, 2017, 82, 127-163.	4.8	20
15	Highâ€precision in situ silicon isotopic analyses by multiâ€collector secondary ion mass spectrometry in olivine and lowâ€calcium pyroxene. Rapid Communications in Mass Spectrometry, 2019, 33, 1589-1597.	1.5	12
16	Metal-silicate silicon isotopic fractionation and the composition of the bulk Earth. Earth and Planetary Science Letters, 2020, 549, 116468.	4.4	11
17	Stable isotope geochemistry of silicon in granitoid zircon. Geochimica Et Cosmochimica Acta, 2022, 316, 273-294.	3.9	11
18	Silicon isotope measurement in zircon by laser ablation multiple collector inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2020, 35, 1597-1606.	3.0	8

#	Article	IF	Citations
19	Mass-independent fractionation of titanium isotopes and its cosmochemical implications. Nature Astronomy, 2020, 4, 762-768.	10.1	7
20	Determination of the zirconium isotopic composition of the new isotopic standard NRC ZIRC-1 using MC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2022, 37, 656-662.	3.0	6
21	Simultaneous determination of mass-dependent Mg isotopic variations and radiogenic 26Mg by laser ablation-MC-ICP-MS and implications for the formation of chondrules. Geochimica Et Cosmochimica Acta, 2021, 299, 163-183.	3.9	5
22	Experimental investigation of elemental and isotopic evaporation processes by laser heating in an aerodynamic levitation furnace. Comptes Rendus - Geoscience, 2021, 353, 101-114.	1.2	0