

Zi-Fu Zhao

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90
papers

6,940
citations

45
h-index

83
g-index

92
ext. papers

7,686
ext. citations

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avg, IF

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#	Paper	IF	Citations
90	Contrasting zircon Hf and O isotopes in the two episodes of Neoproterozoic granitoids in South China: Implications for growth and reworking of continental crust. <i>Lithos</i> , 2007 , 96, 127-150	2.9	450
89	Zircon U-Pb and oxygen isotope evidence for a large-scale 18O depletion event in igneous rocks during the Neoproterozoic. <i>Geochimica Et Cosmochimica Acta</i> , 2004 , 68, 4145-4165	5.5	427
88	Zircon U-Pb age, Hf and O isotope constraints on protolith origin of ultrahigh-pressure eclogite and gneiss in the Dabie orogen. <i>Chemical Geology</i> , 2006 , 231, 135-158	4.2	399
87	Zircon U-Pb age and Hf-O isotope evidence for Paleoproterozoic metamorphic event in South China. <i>Precambrian Research</i> , 2006 , 151, 265-288	3.9	318
86	Reworking of juvenile crust: Element and isotope evidence from Neoproterozoic granodiorite in South China. <i>Precambrian Research</i> , 2006 , 146, 179-212	3.9	310
85	Zircon isotope evidence for 3.5Ga continental crust in the Yangtze craton of China. <i>Precambrian Research</i> , 2006 , 146, 16-34	3.9	299
84	Chemical geodynamics of continental subduction-zone metamorphism: Insights from studies of the Chinese Continental Scientific Drilling (CCSD) core samples. <i>Tectonophysics</i> , 2009 , 475, 327-358	3.1	260
83	U-Pb, Hf and O isotope evidence for two episodes of fluid-assisted zircon growth in marble-hosted eclogites from the Dabie orogen. <i>Geochimica Et Cosmochimica Acta</i> , 2006 , 70, 3743-3761	5.5	247
82	Geochemical evidence for interaction between oceanic crust and lithospheric mantle in the origin of Cenozoic continental basalts in east-central China. <i>Lithos</i> , 2009 , 110, 305-326	2.9	189
81	Calculation of oxygen isotope fractionation in magmatic rocks. <i>Chemical Geology</i> , 2003 , 193, 59-80	4.2	189
80	Postcollisional magmatism: Geochemical constraints on the petrogenesis of Mesozoic granitoids in the Sulu orogen, China. <i>Lithos</i> , 2010 , 119, 512-536	2.9	167
79	Oxygen isotope equilibrium between eclogite minerals and its constraints on mineral Sm-Nd chronometer. <i>Geochimica Et Cosmochimica Acta</i> , 2002 , 66, 625-634	5.5	166
78	Remelting of subducted continental lithosphere: Petrogenesis of Mesozoic magmatic rocks in the Dabie-Sulu orogenic belt. <i>Science in China Series D: Earth Sciences</i> , 2009 , 52, 1295-1318		155
77	Post-collisional granitoids from the Dabie orogen in China: Zircon U-Pb age, element and O isotope evidence for recycling of subducted continental crust. <i>Lithos</i> , 2007 , 93, 248-272	2.9	147
76	Melting of subducted continent: Element and isotopic evidence for a genetic relationship between Neoproterozoic and Mesozoic granitoids in the Sulu orogen. <i>Chemical Geology</i> , 2006 , 229, 227-256	4.2	139
75	Zircon U-Pb age, element and O isotope geochemistry of post-collisional mafic-ultramafic rocks from the Dabie orogen in east-central China. <i>Lithos</i> , 2005 , 83, 1-28	2.9	134
74	Zircon U-Pb ages, Hf and O isotopes constrain the crustal architecture of the ultrahigh-pressure Dabie orogen in China. <i>Chemical Geology</i> , 2008 , 253, 222-242	4.2	133

73	Element mobility in mafic and felsic ultrahigh-pressure metamorphic rocks during continental collision. <i>Geochimica Et Cosmochimica Acta</i> , 2007 , 71, 5244-5266	5.5	125
72	Syn-exhumation magmatism during continental collision: Evidence from alkaline intrusives of Triassic age in the Sulu orogen. <i>Chemical Geology</i> , 2012 , 328, 70-88	4.2	122
71	Postcollisional mafic igneous rocks record crust-mantle interaction during continental deep subduction. <i>Scientific Reports</i> , 2013 , 3, 3413	4.9	104
70	Origin of TTG-like rocks from anatexis of ancient lower crust: Geochemical evidence from Neoproterozoic granitoids in South China. <i>Lithos</i> , 2009 , 113, 347-368	2.9	104
69	Slab-mantle interaction for thinning of cratonic lithospheric mantle in North China: Geochemical evidence from Cenozoic continental basalts in central Shandong. <i>Lithos</i> , 2012 , 146-147, 202-217	2.9	96
68	Geochemical constraints on the nature of mantle source for Cenozoic continental basalts in east-central China. <i>Lithos</i> , 2011 , 125, 940-955	2.9	91
67	Origin of retrograde fluid in ultrahigh-pressure metamorphic rocks: Constraints from mineral hydrogen isotope and water content changes in eclogite-gneiss transitions in the Sulu orogen. <i>Geochimica Et Cosmochimica Acta</i> , 2007 , 71, 2299-2325	5.5	91
66	Isotopic constraints on age and duration of fluid-assisted high-pressure eclogite-facies recrystallization during exhumation of deeply subducted continental crust in the Sulu orogen. <i>Journal of Metamorphic Geology</i> , 2006 , 24, 687-702	4.4	91
65	Zircon isotope evidence for recycling of subducted continental crust in post-collisional granitoids from the Dabie terrane in China. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	88
64	Origin of postcollisional magmatic rocks in the Dabie orogen: Implications for crust-mantle interaction and crustal architecture. <i>Lithos</i> , 2011 , 126, 99-114	2.9	84
63	Mineral isotope evidence for the contemporaneous process of Mesozoic granite emplacement and gneiss metamorphism in the Dabie orogen. <i>Chemical Geology</i> , 2006 , 231, 214-235	4.2	83
62	Oxygen and neodymium isotope evidence for recycling of juvenile crust in northeast China. <i>Geology</i> , 2002 , 30, 375	5	81
61	The source of Mesozoic granitoids in South China: Integrated geochemical constraints from the Taoshan batholith in the Nanling Range. <i>Chemical Geology</i> , 2015 , 395, 11-26	4.2	79
60	Origin of andesitic rocks: Geochemical constraints from Mesozoic volcanics in the Luzong basin, South China. <i>Lithos</i> , 2014 , 190-191, 220-239	2.9	78
59	Distinction between S-type and peraluminous I-type granites: Zircon versus whole-rock geochemistry. <i>Lithos</i> , 2016 , 258-259, 77-91	2.9	78
58	Zircon U-Pb dating of water-rock interaction during Neoproterozoic rift magmatism in South China. <i>Chemical Geology</i> , 2007 , 246, 65-86	4.2	73
57	Zircon Hf δ isotope and whole-rock geochemical constraints on origin of postcollisional mafic to felsic dykes in the Sulu orogen. <i>Lithos</i> , 2012 , 136-139, 225-245	2.9	72
56	Zircon Hf δ isotope evidence for crust-mantle interaction during continental deep subduction. <i>Earth and Planetary Science Letters</i> , 2011 , 308, 229-244	5.3	71

55	Termination time of peak decratonization in North China: Geochemical evidence from mafic igneous rocks. <i>Lithos</i> , 2016 , 240-243, 327-336	2.9	65
54	Temporal relationship between granite cooling and hydrothermal uranium mineralization at Dalongshan in China: a combined radiometric and oxygen isotopic study. <i>Ore Geology Reviews</i> , 2004 , 25, 221-236	3.2	65
53	Triassic granites in South China: A geochemical perspective on their characteristics, petrogenesis, and tectonic significance. <i>Earth-Science Reviews</i> , 2017 , 173, 266-294	10.2	64
52	The nature of orogenic lithospheric mantle: Geochemical constraints from postcollisional mafic-ultramafic rocks in the Dabie orogen. <i>Chemical Geology</i> , 2012 , 334, 99-121	4.2	62
51	Petrogenesis of Triassic granites from the Nanling Range in South China: Implications for geochemical diversity in granites. <i>Lithos</i> , 2014 , 210-211, 40-56	2.9	57
50	Melting of subducted continental crust: Geochemical evidence from Mesozoic granitoids in the Dabie-Sulu orogenic belt, east-central China. <i>Journal of Asian Earth Sciences</i> , 2017 , 145, 260-277	2.8	55
49	Slab-mantle interaction in continental subduction channel: Geochemical evidence from Mesozoic gabbroic intrusives in southeastern North China. <i>Lithos</i> , 2012 , 155, 442-460	2.9	52
48	Tectonic development from oceanic subduction to continental collision: Geochemical evidence from postcollisional mafic rocks in the Hong'an-Dabie orogens. <i>Gondwana Research</i> , 2015 , 27, 1236-1254	5.1	50
47	Modification of subcontinental lithospheric mantle above continental subduction zone: Constraints from geochemistry of Mesozoic gabbroic rocks in southeastern North China. <i>Lithos</i> , 2012 , 146-147, 164-182	2.9	50
46	Introduction to the structures and processes of subduction zones. <i>Journal of Asian Earth Sciences</i> , 2017 , 145, 1-15	2.8	47
45	Ultrahigh-pressure metamorphic rocks in the Dabie-Sulu orogenic belt: compositional inheritance and metamorphic modification. <i>Geological Society Special Publication</i> , 2019 , 474, 89-132	1.7	45
44	Oxygen isotope geochemistry of ultrahigh-pressure metamorphic rocks from 2000m core samples of the Chinese Continental Scientific Drilling. <i>Chemical Geology</i> , 2007 , 242, 51-75	4.2	45
43	Chemical geodynamics of mafic magmatism above subduction zones. <i>Journal of Asian Earth Sciences</i> , 2020 , 194, 104185	2.8	42
42	Mineral oxygen isotope and hydroxyl content changes in ultrahigh-pressure eclogite-gneiss contacts from Chinese Continental Scientific Drilling Project cores. <i>Journal of Metamorphic Geology</i> , 2007 , 25, 165-186	4.4	41
41	Origin of continental arc andesites: The composition of source rocks is the key. <i>Journal of Asian Earth Sciences</i> , 2017 , 145, 217-232	2.8	32
40	Geochemical insights into the role of metasomatic hornblende in generating alkali basalts. <i>Geochemistry, Geophysics, Geosystems</i> , 2014 , 15, 3762-3779	3.6	32
39	Geochemical constraints on the source nature and melting conditions of Triassic granites from South Qinling in central China. <i>Lithos</i> , 2016 , 264, 141-157	2.9	31
38	Geochemical constraints on the origin of Late Mesozoic andesites from the Ningwu basin in the Middle-Lower Yangtze Valley, South China. <i>Lithos</i> , 2016 , 254-255, 94-117	2.9	31

37	Source and magma mixing processes in continental subduction factory: Geochemical evidence from postcollisional mafic igneous rocks in the Dabie orogen. <i>Geochemistry, Geophysics, Geosystems</i> , 2015 , 16, 659-680	3.6	25
36	The hydrous properties of subcontinental lithospheric mantle: Constraints from water content and hydrogen isotope composition of phenocrysts from Cenozoic continental basalt in North China. <i>Geochimica Et Cosmochimica Acta</i> , 2014 , 143, 285-302	5.5	24
35	Relationships between O isotope equilibrium, mineral alteration and Rb/Bs chronometric validity in granitoids: implications for determination of cooling rate. <i>Contributions To Mineralogy and Petrology</i> , 2007 , 153, 251-271	3.5	23
34	Partial melting of the orogenic lower crust: Geochemical insights from post-collisional alkaline volcanics in the Dabie orogen. <i>Chemical Geology</i> , 2017 , 454, 25-43	4.2	22
33	Geochemical Distinction between Carbonate and Silicate Metasomatism in Generating the Mantle Sources of Alkali Basalts. <i>Journal of Petrology</i> , 2017 , 58, 863-884	3.9	22
32	The origin of Cenozoic continental basalts in east-central China: Constrained by linking Pb isotopes to other geochemical variables. <i>Lithos</i> , 2017 , 268-271, 302-319	2.9	22
31	Recycling of Paleotethyan oceanic crust: Geochemical record from postcollisional mafic igneous rocks in the Tongbai-Hongβn orogens. <i>Bulletin of the Geological Society of America</i> , 2017 , 129, 179-192	3.9	21
30	Slab-Mantle Interaction in the Petrogenesis of Andesitic Magmas: Geochemical Evidence from Postcollisional Intermediate Volcanic Rocks in the Dabie Orogen, China. <i>Journal of Petrology</i> , 2016 , 57, 1109-1134	3.9	20
29	Geochemical constraints on the nature of magma sources for Triassic granitoids from South Qinling in central China. <i>Lithos</i> , 2017 , 284-285, 30-49	2.9	13
28	Postcollisional mafic igneous rocks record recycling of noble gases by deep subduction of the continental crust. <i>Lithos</i> , 2016 , 252-253, 135-144	2.9	13
27	Tectonic transition from oceanic subduction to continental collision: New geochemical evidence from Early-Middle Triassic mafic igneous rocks in southern Liaodong Peninsula, east-central China. <i>Bulletin of the Geological Society of America</i> , 2020 , 132, 1469-1488	3.9	13
26	Zircon evidence for incorporation of terrigenous sediments into the magma source of continental basalts. <i>Scientific Reports</i> , 2018 , 8, 178	4.9	12
25	Magma mixing in granite petrogenesis: Insights from biotite inclusions in quartz and feldspar of Mesozoic granites from South China. <i>Journal of Asian Earth Sciences</i> , 2016 , 123, 142-161	2.8	12
24	The geochemical nature of mantle sources for two types of Cretaceous basaltic rocks from Luxi and Jiaodong in east-central China. <i>Lithos</i> , 2019 , 344-345, 409-424	2.9	11
23	Geochemical evidence for the production of granitoids through reworking of the juvenile mafic arc crust in the Gangdese orogen, southern Tibet. <i>Bulletin of the Geological Society of America</i> , 2020 , 132, 1347-1364	3.9	11
22	Geochemical insights into the lithology of mantle sources for Cenozoic alkali basalts in West Qinling, China. <i>Lithos</i> , 2018 , 302-303, 86-98	2.9	10
21	Relict zircon U-Pb age and O isotope evidence for reworking of Neoproterozoic crustal rocks in the origin of Triassic S-type granites in South China. <i>Lithos</i> , 2018 , 300-301, 261-277	2.9	9
20	Origin of arc-like magmatism at fossil convergent plate boundaries: Geochemical insights from Mesozoic igneous rocks in the Middle to Lower Yangtze Valley, South China. <i>Earth-Science Reviews</i> , 2020 , 211, 103416	10.2	8

19	Comment on Paleozoic ages and excess ^{40}Ar in garnets from the Bixiling eclogite in Dabieshan, China: New insights from $^{40}\text{Ar}/^{39}\text{Ar}$ dating by stepwise crushing [by Qiu and Wijbrans (2006). <i>Geochimica Et Cosmochimica Acta</i> , 2007 , 71, 6046-6050	5.5	7
18	Age and composition of Neoproterozoic diabase dykes in North Altyn Tagh, northwest China: implications for Rodinia break-up. <i>International Geology Review</i> , 1-17	2.3	6
17	Origin of peraluminous A-type granites from appropriate sources at moderate to low pressures and high temperatures. <i>Lithos</i> , 2020 , 352-353, 105287	2.9	4
16	Whole-rock geochemical and zircon Hf δ isotopic constraints on the origin of granitoids and their mafic enclaves from the Triassic Mishuling pluton in West Qinling, central China. <i>Journal of Asian Earth Sciences</i> , 2020 , 189, 104136	2.8	4
15	Syn-exhumation melting of the subducted continental crust: Geochemical evidence from early Paleozoic granitoids in North Qaidam, northern Tibet. <i>Lithos</i> , 2020 , 374-375, 105707	2.9	4
14	Generation of andesite through partial melting of basaltic metasomatites in the mantle wedge: Insight from quantitative study of Andean andesites. <i>Geoscience Frontiers</i> , 2021 , 12, 101124	6	4
13	Syn-exhumation magmatism during continental collision: Geochemical evidence from the early Paleozoic Fushui mafic rocks in the Qinling orogen, Central China. <i>Lithos</i> , 2020 , 352-353, 105318	2.9	3
12	Syn-exhumation magmatism in an active continental margin above a continental subduction zone: Evidence from Late Triassic mafic igneous rocks in the southeastern North China Block. <i>Bulletin of the Geological Society of America</i> , 2021 , 133, 1267-1282	3.9	3
11	The compositional variation of I-type granites: Constraints from geochemical analyses and phase equilibrium calculations for granites from the Qinling orogen, central China. <i>Journal of Asian Earth Sciences</i> , 2020 , 200, 104471	2.8	2
10	The composition of garnet in granite and pegmatite from the Gangdese orogen in southeastern Tibet: Constraints on pegmatite petrogenesis. <i>American Mineralogist</i> , 2021 , 106, 265-281	2.9	2
9	Dual sources of water overprinting on the low zircon δ metamorphic country rocks: Disequilibrium constrained through inverse modelling of partial reequilibration. <i>Scientific Reports</i> , 2017 , 7, 40334	4.9	1
8	Mesozoic reworking of the Paleozoic subducted continental crust beneath the south-central margin of the North China Block: Geochemical evidence from granites in the Xiaoqinling-Xiongfurshan region. <i>Lithos</i> , 2020 , 105886	2.9	1
7	Magnesium-carbon isotopes trace carbon recycling in continental subduction zone. <i>Lithos</i> , 2020 , 376-377, 105774	2.9	1
6	Geochemical Distinction Between Altered Oceanic Basalt- and Seafloor Sediment-Derived Fluids in the Mantle Source of Mafic Igneous Rocks in Southwestern Tianshan, Western China. <i>Journal of Petrology</i> , 2021 , 62,	3.9	1
5	Barium isotope fractionation during dehydration melting of the subducting oceanic crust: Geochemical evidence from OIB-like continental basalts. <i>Chemical Geology</i> , 2022 , 120751	4.2	0
4	Theoretical inversion of the fossil hydrothermal systems with oxygen isotopes of constituent minerals partially re-equilibrated with externally infiltrated fluids. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2021 , 112, 101-110	0.9	0
3	Continental crust recycling in ancient oceanic subduction zone: Geochemical insights from arc basaltic to andesitic rocks and paleo-trench sediments in southern Tibet. <i>Lithos</i> , 2022 , 414-415, 106619	2.9	0
2	Magma differentiation and recharge in the petrogenesis of early paleozoic mafic intrusives in the Qilian orogen, northwestern China. <i>Lithos</i> , 2021 , 106492	2.9	0

- 1 Low H₂O/Ce ratios and $\delta^{18}\text{O}$ values for continental basalts in eastern China: Geochemical evidence for involvement of the dehydrated crustal component in the mantle source. *Lithos*, **2021**, 400-401, 106339