

# Zi-Fu Zhao

## List of Publications by Year in descending order

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92  
papers

8,370  
citations

50566

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92  
docs citations

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times ranked

2674  
citing authors

#	ARTICLE	IF	CITATIONS
1	Age and composition of Neoproterozoic diabase dykes in North Altyn Tagh, northwest China: implications for Rodinia break-up. <i>International Geology Review</i> , 2023, 65, 1000-1016.	1.1	14
2	Origin of syn-collisional granitoids in the Gangdese orogen: Reworking of the juvenile arc crust and the ancient continental crust. <i>Bulletin of the Geological Society of America</i> , 2022, 134, 577-598.	1.6	8
3	Barium isotope fractionation during dehydration melting of the subducting oceanic crust: Geochemical evidence from OIB-like continental basalts. <i>Chemical Geology</i> , 2022, 594, 120751.	1.4	8
4	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.	0.6	5
5	The effect of crystal fractionation on the geochemical composition of syn-exhumation magmas: Implication for the formation of high $\delta^{56}\text{Fe}$ granites in collisional orogens. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 332, 156-185.	1.6	7
6	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.	1.6	11
7	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, .	1.1	8
8	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.	0.9	12
9	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.	4.3	22
10	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.	0.3	1
11	Magma differentiation and recharge in the petrogenesis of early paleozoic mafic intrusives in the Qilian orogen, northwestern China. <i>Lithos</i> , 2021, , 106492.	0.6	0
12	Low H <sub>2</sub> O/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. <i>Lithos</i> , 2021, 400-401, 106339.	0.6	1
13	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.	1.6	22
14	Origin of peraluminous A-type granites from appropriate sources at moderate to low pressures and high temperatures. <i>Lithos</i> , 2020, 352-353, 105287.	0.6	9
15	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.	1.6	20
16	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.	0.6	8
17	Chemical geodynamics of mafic magmatism above subduction zones. <i>Journal of Asian Earth Sciences</i> , 2020, 194, 104185.	1.0	92
18	Whole-rock geochemical and zircon Hf $\delta^{18}\text{O}$ 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.	1.0	4

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19	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.	4.0	17
20	Mesozoic reworking of the Paleozoic subducted continental crust beneath the south-central margin of the North China Block: Geochemical evidence from granites in the Xiaolinling-Xionghai region. <i>Lithos</i> , 2020, , 105886.	0.6	5
21	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.	0.6	9
22	Magnesium-carbon isotopes trace carbon recycling in continental subduction zone. <i>Lithos</i> , 2020, 376-377, 105774.	0.6	6
23	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.	1.0	4
24	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.	0.8	89
25	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.	0.6	17
26	Zircon evidence for incorporation of terrigenous sediments into the magma source of continental basalts. <i>Scientific Reports</i> , 2018, 8, 178.	1.6	17
27	Geochemical insights into the lithology of mantle sources for Cenozoic alkali basalts in West Qinling, China. <i>Lithos</i> , 2018, 302-303, 86-98.	0.6	17
28	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.	0.6	15
29	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.	1.4	34
30	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.	1.0	96
31	Origin of continental arc andesites: The composition of source rocks is the key. <i>Journal of Asian Earth Sciences</i> , 2017, 145, 217-232.	1.0	51
32	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.	0.6	16
33	Triassic granites in South China: A geochemical perspective on their characteristics, petrogenesis, and tectonic significance. <i>Earth-Science Reviews</i> , 2017, 173, 266-294.	4.0	120
34	Dual sources of water overprinting on the low zircon $\delta^{18}\text{O}$ metamorphic country rocks: Disequilibrium constrained through inverse modelling of partial reequilibration. <i>Scientific Reports</i> , 2017, 7, 40334.	1.6	3
35	Geochemical Distinction between Carbonate and Silicate Metasomatism in Generating the Mantle Sources of Alkali Basalts. <i>Journal of Petrology</i> , 2017, 58, 863-884.	1.1	42
36	Introduction to the structures and processes of subduction zones. <i>Journal of Asian Earth Sciences</i> , 2017, 145, 1-15.	1.0	61

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37	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.	0.6	28
38	Recycling of Paleotethyan oceanic crust: Geochemical record from postcollisional mafic igneous rocks in the Tongbai-Hong'an orogens. <i>Bulletin of the Geological Society of America</i> , 2017, 129, 179-192.	1.6	32
39	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.	0.6	36
40	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.	1.0	18
41	Distinction between S-type and peraluminous I-type granites: Zircon versus whole-rock geochemistry. <i>Lithos</i> , 2016, 258-259, 77-91.	0.6	109
42	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.	0.6	36
43	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.	1.1	29
44	Postcollisional mafic igneous rocks record recycling of noble gases by deep subduction of the continental crust. <i>Lithos</i> , 2016, 252-253, 135-144.	0.6	14
45	Termination time of peak decratonization in North China: Geochemical evidence from mafic igneous rocks. <i>Lithos</i> , 2016, 240-243, 327-336.	0.6	83
46	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.	1.0	30
47	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.	1.4	97
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.	3.0	63
49	Origin of andesitic rocks: Geochemical constraints from Mesozoic volcanics in the Luzong basin, South China. <i>Lithos</i> , 2014, 190-191, 220-239.	0.6	99
50	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.	1.6	27
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.	0.6	68
52	Geochemical insights into the role of metasomatic hornblende in generating alkali basalts. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 3762-3779.	1.0	39
53	Postcollisional mafic igneous rocks record crust-mantle interaction during continental deep subduction. <i>Scientific Reports</i> , 2013, 3, 3413.	1.6	130
54	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.	1.4	149

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55	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.	1.4	79
56	Slab-mantle interaction in continental subduction channel: Geochemical evidence from Mesozoic gabbroic intrusives in southeastern North China. <i>Lithos</i> , 2012, 155, 442-460.	0.6	58
57	Zircon Hf-O 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.	0.6	81
58	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.	0.6	59
59	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.	0.6	111
60	Zircon Hf-O isotope evidence for crust-mantle interaction during continental deep subduction. <i>Earth and Planetary Science Letters</i> , 2011, 308, 229-244.	1.8	86
61	Geochemical constraints on the nature of mantle source for Cenozoic continental basalts in east-central China. <i>Lithos</i> , 2011, 125, 940-955.	0.6	106
62	Origin of postcollisional magmatic rocks in the Dabie orogen: Implications for crust-mantle interaction and crustal architecture. <i>Lithos</i> , 2011, 126, 99-114.	0.6	102
63	Postcollisional magmatism: Geochemical constraints on the petrogenesis of Mesozoic granitoids in the Sulu orogen, China. <i>Lithos</i> , 2010, 119, 512-536.	0.6	205
64	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.	0.6	219
65	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.	0.6	120
66	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.	0.9	188
67	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.	0.9	299
68	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.	1.4	152
69	Oxygen isotope geochemistry of ultrahigh-pressure metamorphic rocks from 200-4000 m core samples of the Chinese Continental Scientific Drilling. <i>Chemical Geology</i> , 2007, 242, 51-75.	1.4	48
70	Zircon U-Pb dating of water-rock interaction during Neoproterozoic rift magmatism in South China. <i>Chemical Geology</i> , 2007, 246, 65-86.	1.4	81
71	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.	1.6	102
72	Comment on "Paleozoic ages and excess $^{40}\text{Ar}$ 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.	1.6	7

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73	Element mobility in mafic and felsic ultrahigh-pressure metamorphic rocks during continental collision. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 5244-5266.	1.6	140
74	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.	1.6	42
75	Post-collisional granitoids from the Dabie orogen in China: Zircon U <sup>235</sup> -Pb age, element and O isotope evidence for recycling of subducted continental crust. <i>Lithos</i> , 2007, 93, 248-272.	0.6	169
76	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.	0.6	510
77	Relationships between O isotope equilibrium, mineral alteration and Rb <sup>87</sup> -Sr chronometric validity in granitoids: implications for determination of cooling rate. <i>Contributions To Mineralogy and Petrology</i> , 2007, 153, 251-271.	1.2	24
78	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.	1.4	153
79	Zircon U <sup>235</sup> -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.	1.4	448
80	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.	1.4	90
81	U <sup>235</sup> -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.	1.6	271
82	Zircon isotope evidence for $\sim 3.5$ Ga continental crust in the Yangtze craton of China. <i>Precambrian Research</i> , 2006, 146, 16-34.	1.2	348
83	Reworking of juvenile crust: Element and isotope evidence from Neoproterozoic granodiorite in South China. <i>Precambrian Research</i> , 2006, 146, 179-212.	1.2	349
84	Zircon U-Pb age and Hf-O isotope evidence for Paleoproterozoic metamorphic event in South China. <i>Precambrian Research</i> , 2006, 151, 265-288.	1.2	359
85	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.	1.6	97
86	Zircon U <sup>235</sup> -Pb age, element and Ca <sup>45</sup> -O isotope geochemistry of post-collisional mafic-ultramafic rocks from the Dabie orogen in east-central China. <i>Lithos</i> , 2005, 83, 1-28.	0.6	150
87	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.	1.1	75
88	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, .	1.5	96
89	Zircon U-Pb and oxygen isotope evidence for a large-scale <sup>18</sup> O depletion event in igneous rocks during the Neoproterozoic. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 4145-4165.	1.6	480
90	Calculation of oxygen isotope fractionation in magmatic rocks. <i>Chemical Geology</i> , 2003, 193, 59-80.	1.4	228

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91	Oxygen and neodymium isotope evidence for recycling of juvenile crust in northeast China. <i>Geology</i> , 2002, 30, 375.	2.0	98
92	Oxygen isotope equilibrium between eclogite minerals and its constraints on mineral Sm-Nd chronometer. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 625-634.	1.6	182