

Tao Sun

List of Publications by Year in descending order

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45
papers

3,431
citations

304743

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docs citations

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times ranked

1804
citing authors

#	ARTICLE	IF	CITATIONS
1	Petrogenesis of Mesozoic granitoids and volcanic rocks in South China: A response to tectonic evolution. <i>Episodes</i> , 2006, 29, 26-33.	1.2	1,379
2	The crust of Cathaysia: Age, assembly and reworking of two terranes. <i>Precambrian Research</i> , 2007, 158, 51-78.	2.7	428
3	Geochemistry of the Meso- to Neoproterozoic basic acid rocks from Hunan Province, South China: implications for the evolution of the western Jiangnan orogen. <i>Precambrian Research</i> , 2004, 135, 79-103.	2.7	191
4	Magmatic evolution and crustal recycling for Neoproterozoic strongly peraluminous granitoids from southern China: Hf and O isotopes in zircon. <i>Earth and Planetary Science Letters</i> , 2013, 366, 71-82.	4.4	190
5	Geochemistry of Meso- and Neoproterozoic mafic-ultramafic rocks from northern Guangxi, China: Arc or plume magmatism?. <i>Geochemical Journal</i> , 2004, 38, 139-152.	1.0	140
6	Trace elements, U-Pb ages and Hf isotopes of zircons from Mesozoic granites in the western Nanling Range, South China: Implications for petrogenesis and W-Sn mineralization. <i>Lithos</i> , 2011, 127, 468-482.	1.4	128
7	Influence of radiation damage on Late Jurassic zircon from southern China: Evidence from in situ measurements of oxygen isotopes, laser Raman, U-Pb ages, and trace elements. <i>Chemical Geology</i> , 2014, 389, 122-136.	3.3	94
8	Strongly peraluminous granites of Mesozoic in Eastern Nanling Range, southern China: Petrogenesis and implications for tectonics. <i>Science in China Series D: Earth Sciences</i> , 2005, 48, 165-174.	0.9	91
9	Zircon U-Pb dating, trace element and Sr-Nd-Hf isotope geochemistry of Paleozoic granites in the Miao'ershan-Yuechengling batholith, South China: Implication for petrogenesis and tectonic magmatic evolution. <i>Journal of Asian Earth Sciences</i> , 2013, 74, 244-264.	2.3	61
10	Chronological and geochemical studies of granite and enclave in Baimashan pluton, Hunan, South China. <i>Science in China Series D: Earth Sciences</i> , 2007, 50, 1606-1627.	0.9	49
11	Geochronology, elemental and Nd-Hf isotopic geochemistry of Devonian A-type granites in central Jiangxi, South China: Constraints on petrogenesis and post-collisional extension of the Wuyi-Yunkai orogeny. <i>Lithos</i> , 2014, 206-207, 1-18.	1.4	49
12	The geochronological and geochemical constraints on the petrogenesis of the Early Mesozoic A-type granite and diabase in northwestern Fujian province. <i>Lithos</i> , 2013, 179, 364-381.	1.4	47
13	Grenvillian orogeny in the Southern Cathaysia Block: Constraints from U-Pb ages and Lu-Hf isotopes in zircon from metamorphic basement. <i>Science Bulletin</i> , 2008, 53, 3037-3050.	9.0	46
14	Late Triassic U-bearing and barren granites in the Miao'ershan batholith, South China: Petrogenetic discrimination and exploration significance. <i>Ore Geology Reviews</i> , 2016, 77, 260-278.	2.7	37
15	Cretaceous volcanic-intrusive magmatism in western Guangdong and its geological significance. <i>Science in China Series D: Earth Sciences</i> , 2006, 49, 696-713.	0.9	33
16	Structural diversity for decision tree ensemble learning. <i>Frontiers of Computer Science</i> , 2018, 12, 560-570.	2.4	33
17	More than ten million years of hyper-aridity recorded in the Atacama Gravels. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 227, 123-132.	3.9	32
18	Basement components of the Xiangshan-Yuhuashan area, South China: Defining the boundary between the Yangtze and Cathaysia blocks. <i>Precambrian Research</i> , 2018, 309, 102-122.	2.7	28

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19	Paleoproterozoic basement beneath the southern Jiangxi Province: Evidence from U-Pb ages and Lu-Hf isotopes in zircons from the Doushui lamprophyre. <i>Science Bulletin</i> , 2009, 54, 1555-1563.	9.0	25
20	Component variation in the late Neoproterozoic to Cambrian sedimentary rocks of SW China – NE Vietnam, and its tectonic significance. <i>Precambrian Research</i> , 2018, 308, 92-110.	2.7	25
21	Crustal formation in the Nanling Range, South China Block: Hf isotope evidence of zircons from Phanerozoic granitoids. <i>Journal of Asian Earth Sciences</i> , 2013, 74, 210-224.	2.3	24
22	Multiple Mesozoic magma processes formed the 240–185 Ma composite Weishan pluton, South China: evidence from geochronology, geochemistry, and Sr-Nd isotopes. <i>International Geology Review</i> , 2015, 57, 1189-1217.	2.1	24
23	Multiple climate cooling prior to Sturtian glaciations: Evidence from chemical index of alteration of sediments in South China. <i>Scientific Reports</i> , 2014, 4, 6868.	3.3	21
24	Composition variations of the Sinian-Cambrian sedimentary rocks in Hunan and Guangxi provinces and their tectonic significance. <i>Science China Earth Sciences</i> , 2013, 56, 1899-1917.	5.2	20
25	Sources of the Nanwenhe - Song Chay granitic complex (SW China - NE Vietnam) and its tectonic significance. <i>Lithos</i> , 2017, 290-291, 76-93.	1.4	20
26	Paleoceanographic evolution and chronostratigraphy of the Aptian Oceanic Anoxic Event 1a (OAE1a) to oceanic red bed 1 (ORB1) in the Gorgo a Cerbara section (central Italy). <i>Cretaceous Research</i> , 2016, 66, 115-128.	1.4	19
27	The sulfur isotope signatures of Marinoan deglaciation captured in Neoproterozoic shallow-to-deep cap carbonate from South China. <i>Precambrian Research</i> , 2013, 238, 42-51.	2.7	18
28	The western boundary between the Yangtze and Cathaysia blocks, new constraints from the Pingbian Group sediments, southwest South China Block. <i>Precambrian Research</i> , 2019, 331, 105350.	2.7	17
29	Early Paleozoic magmatism in northern Kontum Massif, Central Vietnam: Insights into tectonic evolution of the eastern Indochina Block. <i>Lithos</i> , 2020, 376-377, 105750.	1.4	17
30	Thermal gradient induced non-mass-dependent isotope fractionation. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 765-773.	1.5	14
31	Lost cold Antarctic deserts inferred from unusual sulfate formation and isotope signatures. <i>Nature Communications</i> , 2015, 6, 7579.	12.8	14
32	A predominantly ferruginous condition in the Ediacaran deep ocean: Geochemistry of black shales in the Ediacaran Doushantuo Formation, South China. <i>Precambrian Research</i> , 2017, 295, 12-23.	2.7	14
33	In Situ Quantification of Biological N_2 Production Using Naturally Occurring N_{15} . <i>Environmental Science & Technology</i> , 2019, 53, 5168-5175.	10.0	14
34	The onset of deep recycling of supracrustal materials at the Paleo-Mesoarchean boundary. <i>National Science Review</i> , 2022, 9, nwab136.	9.5	14
35	Does Neoproterozoic Nam Co formation in Northwest Vietnam belong to South China or Indochina?. <i>Precambrian Research</i> , 2020, 337, 105556.	2.7	13
36	Non-mass-dependent ^{17}O anomalies generated by a superimposed thermal gradient on a rarefied O_2 gas in a closed system. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 20-24.	1.5	12

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37	Acid demineralization with pyrite removal and critical point drying for kerogen microstructural analysis. <i>Fuel</i> , 2019, 253, 266-272.	6.4	11
38	The progressive onset and evolution of Precambrian subduction and plate tectonics. <i>Science China Earth Sciences</i> , 2020, 63, 2068-2086.	5.2	11
39	Comment on "Early Archaean Microorganisms Preferred Elemental Sulfur, Not Sulfate". <i>Science</i> , 2008, 319, 1336-1336.	12.6	9
40	Petrogenesis of Early Cretaceous adakitic granodiorite: Implication for a crust thickening event within the Cathaysia Block, South China. <i>Science China Earth Sciences</i> , 2017, 60, 1237-1255.	5.2	7
41	Fe isotopic fractionation during the magmatic-hydrothermal stage of granitic magmatism. <i>Lithos</i> , 2019, 350-351, 105265.	1.4	4
42	Provenances of the Ediacaran sedimentary rocks in the Zhuguangshan area and their implications for granitoid-related uranium mineralization in South China. <i>Ore Geology Reviews</i> , 2020, 124, 103588.	2.7	4
43	Size-Fraction-Specific Stable Isotope Variations as a Framework for Interpreting Early Eocene Bulk Sediment Carbon Isotope Records. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004132.	2.9	2
44	Depositional age, provenance, and tectonic implications of Neoproterozoic sedimentary rocks in the Xiangshan area, South China. <i>Geological Journal</i> , 2021, 56, 1584-1603.	1.3	1
45	Stable isotope (C, N, O, and H) study of a comprehensive set of feathers from two <i>Setophaga citrina</i> . <i>PLoS ONE</i> , 2021, 16, e0236536.	2.5	1