

Tao Sun

List of Publications by Year in descending order

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times ranked

1804
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | The onset of deep recycling of supracrustal materials at the Paleo-Mesoarchean boundary. National Science Review, 2022, 9, nwab136. | 9.5 | 14 |
| 2 | Depositional age, provenance, and tectonic implications of Neoproterozoic sedimentary rocks in the Xiangshan area, South China. Geological Journal, 2021, 56, 1584-1603. | 1.3 | 1 |
| 3 | Size- and Fraction-Specific Stable Isotope Variations as a Framework for Interpreting Early Eocene Bulk Sediment Carbon Isotope Records. Paleoceanography and Paleoclimatology, 2021, 36, e2020PA004132. | 2.9 | 2 |
| 4 | Stable isotope (C, N, O, and H) study of a comprehensive set of feathers from two <i>Setophaga citrina</i> . PLoS ONE, 2021, 16, e0236536. | 2.5 | 1 |
| 5 | Does Neoproterozoic Nam Co formation in Northwest Vietnam belong to South China or Indochina?. Precambrian Research, 2020, 337, 105556. | 2.7 | 13 |
| 6 | The progressive onset and evolution of Precambrian subduction and plate tectonics. Science China Earth Sciences, 2020, 63, 2068-2086. | 5.2 | 11 |
| 7 | Early Paleozoic magmatism in northern Kontum Massif, Central Vietnam: Insights into tectonic evolution of the eastern Indochina Block. Lithos, 2020, 376-377, 105750. | 1.4 | 17 |
| 8 | Provenances of the Ediacaran sedimentary rocks in the Zhuguangshan area and their implications for granitoid-related uranium mineralization in South China. Ore Geology Reviews, 2020, 124, 103588. | 2.7 | 4 |
| 9 | Fe isotopic fractionation during the magmatic-hydrothermal stage of granitic magmatism. Lithos, 2019, 350-351, 105265. | 1.4 | 4 |
| 10 | Acid demineralization with pyrite removal and critical point drying for kerogen microstructural analysis. Fuel, 2019, 253, 266-272. | 6.4 | 11 |
| 11 | The western boundary between the Yangtze and Cathaysia blocks, new constraints from the Pingbian Group sediments, southwest South China Block. Precambrian Research, 2019, 331, 105350. | 2.7 | 17 |
| 12 | In Situ Quantification of Biological N ₂ Production Using Naturally Occurring ¹⁵ N ₂ . Environmental Science & Technology, 2019, 53, 5168-5175. | 10.0 | 14 |
| 13 | More than ten million years of hyper-aridity recorded in the Atacama Gravels. Geochimica Et Cosmochimica Acta, 2018, 227, 123-132. | 3.9 | 32 |
| 14 | Structural diversity for decision tree ensemble learning. Frontiers of Computer Science, 2018, 12, 560-570. | 2.4 | 33 |
| 15 | Component variation in the late Neoproterozoic to Cambrian sedimentary rocks of SW China and NE Vietnam, and its tectonic significance. Precambrian Research, 2018, 308, 92-110. | 2.7 | 25 |
| 16 | Basement components of the Xiangshan-Yuhuashan area, South China: Defining the boundary between the Yangtze and Cathaysia blocks. Precambrian Research, 2018, 309, 102-122. | 2.7 | 28 |
| 17 | A predominantly ferruginous condition in the Ediacaran deep ocean: Geochemistry of black shales in the Ediacaran Doushantuo Formation, South China. Precambrian Research, 2017, 295, 12-23. | 2.7 | 14 |
| 18 | Petrogenesis of Early Cretaceous adakitic granodiorite: Implication for a crust thickening event within the Cathaysia Block, South China. Science China Earth Sciences, 2017, 60, 1237-1255. | 5.2 | 7 |

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|----|---|------|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | Lost cold Antarctic deserts inferred from unusual sulfate formation and isotope signatures. <i>Nature Communications</i> , 2015, 6, 7579. | 12.8 | 14 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | Thermal-gradient-induced non-mass-dependent isotope fractionation. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 765-773. | 1.5 | 14 |
| 36 | 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 |

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|----|--|------|-----------|
| 37 | 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 |
| 38 | Comment on "Early Archaean Microorganisms Preferred Elemental Sulfur, Not Sulfate". <i>Science</i> , 2008, 319, 1336-1336. | 12.6 | 9 |
| 39 | The crust of Cathaysia: Age, assembly and reworking of two terranes. <i>Precambrian Research</i> , 2007, 158, 51-78. | 2.7 | 428 |
| 40 | 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 |
| 41 | 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 |
| 42 | 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 |
| 43 | 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 |
| 44 | 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 |
| 45 | 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 |