

Zeming Zhang

List of Publications by Year in descending order

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67
papers

2,861
citations

172457
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175258
52
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69
all docs

69
docs citations

69
times ranked

1591
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | The assembly of Rodinia: The correlation of early Neoproterozoic (ca. 900 Ma) high-grade metamorphism and continental arc formation in the southern Beishan Orogen, southern Central Asian Orogenic Belt (CAOB). <i>Precambrian Research</i> , 2017, 290, 32-48. | 2.7 | 453 |
| 2 | Late Cretaceous charnockite with adakitic affinities from the Gangdese batholith, southeastern Tibet: Evidence for Neo-Tethyan mid-ocean ridge subduction?. <i>Gondwana Research</i> , 2010, 17, 615-631. | 6.0 | 336 |
| 3 | Petrology and geochronology of the Namche Barwa Complex in the eastern Himalayan syntaxis, Tibet: Constraints on the origin and evolution of the north-eastern margin of the Indian Craton. <i>Gondwana Research</i> , 2012, 21, 123-137. | 6.0 | 128 |
| 4 | Early Eocene (c. 50 Ma) collision of the Indian and Asian continents: Constraints from the North Himalayan metamorphic rocks, southeastern Tibet. <i>Earth and Planetary Science Letters</i> , 2016, 435, 64-73. | 4.4 | 128 |
| 5 | The generation and evolution of Archean continental crust in the Dunhuang block, northeastern Tarim craton, northwestern China. <i>Precambrian Research</i> , 2013, 235, 251-263. | 2.7 | 117 |
| 6 | Building of the Deep Gangdese Arc, South Tibet: Paleocene Plutonism and Granulite-Facies Metamorphism. <i>Journal of Petrology</i> , 2013, 54, 2547-2580. | 2.8 | 111 |
| 7 | Late Triassic crustal growth in southern Tibet: Evidence from the Gangdese magmatic belt. <i>Gondwana Research</i> , 2016, 37, 449-464. | 6.0 | 100 |
| 8 | Metagabbros of the Gangdese arc root, south Tibet: Implications for the growth of continental crust. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 143, 268-284. | 3.9 | 96 |
| 9 | Long-lived high-temperature granulite-facies metamorphism in the Eastern Himalayan orogen, south Tibet. <i>Lithos</i> , 2015, 212-215, 1-15. | 1.4 | 89 |
| 10 | Ultrahigh pressure metamorphic rocks from the Chinese Continental Scientific Drilling Project: I. Petrology and geochemistry of the main hole (O \approx 2,050 \AA m). <i>Contributions To Mineralogy and Petrology</i> , 2006, 152, 421-441. | 3.1 | 82 |
| 11 | Cambrian ultrapotassic rhyolites from the Lhasa terrane, south Tibet: Evidence for Andean-type magmatism along the northern active margin of Gondwana. <i>Gondwana Research</i> , 2015, 27, 1616-1629. | 6.0 | 81 |
| 12 | Natural and experimental constraints on formation of the continental crust based on niobium-tantalum fractionation. <i>International Geology Review</i> , 2009, 51, 473-501. | 2.1 | 65 |
| 13 | Oligocene HP metamorphism and anatexis of the Higher Himalayan Crystalline Sequence in Yadong region, east-central Himalaya. <i>Gondwana Research</i> , 2017, 41, 173-187. | 6.0 | 63 |
| 14 | The early-stage evolution of the Neo-Tethys ocean: Evidence from granitoids in the middle Gangdese batholith, southern Tibet. <i>Journal of Geodynamics</i> , 2016, 94-95, 34-49. | 1.6 | 54 |
| 15 | Petrogenesis of Late Cretaceous mafic enclaves and their host granites in the Nyemo region of southern Tibet: Implications for the tectonic-magmatic evolution of the Central Gangdese Belt. <i>Journal of Asian Earth Sciences</i> , 2019, 176, 27-41. | 2.3 | 54 |
| 16 | Fluid/rock interaction and mass transfer in continental subduction zones: constraints from trace elements and isotopes (Li, B, O, Sr, Nd, Pb) in UHP rocks from the Chinese Continental Scientific Drilling Program, Sulu, East China. <i>Contributions To Mineralogy and Petrology</i> , 2011, 162, 797-819. | 3.1 | 52 |
| 17 | Zircon U-Pb and Hf isotopic study of Neoproterozoic granitic gneisses from the Alatage area, Xinjiang: constraints on the Precambrian crustal evolution in the Central Tianshan Block. <i>Science Bulletin</i> , 2014, 59, 100-112. | 1.7 | 48 |
| 18 | Petrogenesis and tectonic implications of the Yadong leucogranites, southern Himalaya. <i>Lithos</i> , 2016, 256-257, 300-310. | 1.4 | 44 |

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|----|---|-----|-----------|
| 19 | Geochronology and petrogenesis of the mafic dykes from the Purang ophiolite: Implications for evolution of the western Yarlung-Tsangpo suture zone, southwestern Tibet. <i>Geoscience Frontiers</i> , 2020, 11, 277-292. | 8.4 | 41 |
| 20 | Late Triassic Granites From the Quxu Batholith Shedding a New Light on the Evolution of the Gangdese Belt in Southern Tibet. <i>Acta Geologica Sinica</i> , 2018, 92, 462-481. | 1.4 | 39 |
| 21 | Petrogenesis and tectonic implications of Early Cretaceous volcanic rocks from Lingshan Island in the Sulu Orogenic Belt. <i>Lithos</i> , 2018, 312-313, 244-257. | 1.4 | 39 |
| 22 | High density carbonic fluids in a slab window: Evidence from the Gangdese charnockite, Lhasa terrane, southern Tibet. <i>Journal of Asian Earth Sciences</i> , 2011, 42, 515-524. | 2.3 | 38 |
| 23 | The discovery of late Triassic mylonitic granite and geologic significance in the middle Gangdese batholiths, southern Tibet. <i>Journal of Geodynamics</i> , 2017, 104, 49-64. | 1.6 | 36 |
| 24 | The concentration distribution and pollution assessment of heavy metals in surface sediments of the Bohai Bay, China. <i>Marine Pollution Bulletin</i> , 2019, 149, 110497. | 5.0 | 34 |
| 25 | Long-lived (ca. 22–24 Myr) partial melts in the eastern Himalaya: Petrochronologic constraints and tectonic implications. <i>Earth and Planetary Science Letters</i> , 2021, 558, 116764. | 4.4 | 34 |
| 26 | Fluid Composition and Evolution Attending UHP Metamorphism: Study of Fluid Inclusions from Drill Cores, Southern Sulu Belt, Eastern China. <i>International Geology Review</i> , 2005, 47, 297-309. | 2.1 | 31 |
| 27 | Mineralogy, petrology, U-Pb geochronology, and geologic evolution of the Dabie-Sulu classic ultrahigh-pressure metamorphic terrane, East-Central China. <i>American Mineralogist</i> , 2012, 97, 1533-1543. | 1.9 | 31 |
| 28 | The origin and tectonic significance of the volcanic rocks of the Yeba Formation in the Gangdese magmatic belt, South Tibet. <i>Journal of Earth Science (Wuhan, China)</i> , 2017, 28, 265-282. | 3.2 | 30 |
| 29 | New constraints on the tectono-magmatic evolution of the central Gangdese belt from Late Cretaceous magmatic suite in southern Tibet. <i>Gondwana Research</i> , 2020, 80, 123-141. | 6.0 | 23 |
| 30 | Ultrahigh-pressure metamorphic records hidden in zircons from amphibolites in Sulu Terrane, eastern China. <i>Island Arc</i> , 2003, 12, 256-267. | 1.1 | 22 |
| 31 | Early Jurassic adakitic rocks in the southern Lhasa sub-terrane, southern Tibet: petrogenesis and geodynamic implications. <i>Geological Magazine</i> , 2018, 155, 132-148. | 1.5 | 21 |
| 32 | Discovery of khondalite series from the western segment of Altyn Tagh and their petrological and geochronological studies. <i>Science in China Series D: Earth Sciences</i> , 2000, 43, 308-316. | 0.9 | 20 |
| 33 | High-Temperature Metamorphism, Anataxis and Tectonic Evolution of a Mafic Granulite from the Eastern Himalayan Orogen. <i>Journal of Earth Science (Wuhan, China)</i> , 2018, 29, 1010-1025. | 3.2 | 19 |
| 34 | Prolonged Partial Melting of Garnet Amphibolite from the Eastern Himalayan Syntaxis: Implications for the Tectonic Evolution of Large Hot Orogens. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019119. | 3.4 | 17 |
| 35 | Large-scale pollen distribution in marine surface sediments from the Bohai Sea, China: Insights into pollen provenance, transport, deposition, and coastal-shelf paleoenvironment. <i>Progress in Oceanography</i> , 2019, 178, 102183. | 3.2 | 16 |
| 36 | On the origin of high-pressure mafic granulite in the Eastern Himalayan Syntaxis: Implications for the tectonic evolution of the Himalayan orogen. <i>Gondwana Research</i> , 2022, 104, 4-22. | 6.0 | 16 |

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|----|---|-----|-----------|
| 37 | Fluid Inclusions Associated with Exsolved Quartz Needles in Omphacite of UHP Eclogites, Chinese Continental Scientific Drilling Main Drill Hole. <i>International Geology Review</i> , 2007, 49, 479-486. | 2.1 | 13 |
| 38 | Distribution and provenance of modern pollen and spores in the surface sediments of Liaodong Bay, China. <i>Marine Geology</i> , 2016, 376, 1-14. | 2.1 | 13 |
| 39 | River avulsions and sedimentary evolution of the Luanhe fan-delta system (North China) since the late Pleistocene. <i>Marine Geology</i> , 2020, 425, 106194. | 2.1 | 13 |
| 40 | Timescales of Partial Melting and Melt Crystallization in the Eastern Himalayan Orogen: Insights From Zircon Petrochronology. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009539. | 2.5 | 13 |
| 41 | Vegetation history and environment changes since MIS 5 recorded by pollen assemblages in sediments from the western Bohai Sea, Northern China. <i>Journal of Asian Earth Sciences</i> , 2020, 187, 104085. | 2.3 | 12 |
| 42 | Early Mesozoic magmatism and tectonic evolution of east-central Tibet. <i>International Journal of Earth Sciences</i> , 2018, 107, 2767-2784. | 1.8 | 11 |
| 43 | Back-arc basin evolution in the southern Lhasa sub-terrane, southern Tibet: Constraints from U-Pb ages and in-situ Lu-Hf isotopes of detrital zircons. <i>Journal of Asian Earth Sciences</i> , 2019, 185, 104026. | 2.3 | 10 |
| 44 | Pollen distribution and transportation patterns in surface sediments of Liaodong Bay, China. <i>Science of the Total Environment</i> , 2021, 771, 144883. | 8.0 | 10 |
| 45 | The compositional zoning of garnet in eclogite from western segment of Altyn Tagh, northwestern China and its dynamic significance. <i>Science Bulletin</i> , 2000, 45, 79-83. | 1.7 | 9 |
| 46 | Early Cenozoic thickening and reworking of the eastern Gangdese arc, south Tibet: constraints from the Oligocene granitoids. <i>Geological Society Special Publication</i> , 2019, 474, 291-308. | 1.3 | 9 |
| 47 | Regional-scale distributions of pollen and spore assemblages in alluvium around the Bohai Sea: An essential step toward understanding marine palynological sources in China. <i>Marine Geology</i> , 2019, 415, 105968. | 2.1 | 9 |
| 48 | Mesozoic crustal evolution of southern Tibet: Constraints from the early Jurassic igneous rocks in the Central Lhasa terrane. <i>Lithos</i> , 2020, 366-367, 105557. | 1.4 | 8 |
| 49 | Wetlands in China: Evolution, Carbon Sequestrations and Services, Threats, and Preservation/Restoration. <i>Water (Switzerland)</i> , 2022, 14, 1152. | 2.7 | 8 |
| 50 | UHP metamorphic rocks from the Chinese continental scientific drilling project: I. Petrology and geochemistry of the main hole (0â2,050&A). <i>Contributions To Mineralogy and Petrology</i> , 2013, 166, 1-1. | 3.1 | 7 |
| 51 | Tectonic Implications and Petrogenesis of the Various Types of Magmatic Rocks from the Zedang Area in Southern Tibet. <i>Journal of Earth Science (Wuhan, China)</i> , 2019, 30, 1125-1143. | 3.2 | 7 |
| 52 | Identification of the Early Jurassic mylonitic granitic pluton and tectonic implications in Namling area, southern Tibet. <i>Geoscience Frontiers</i> , 2021, 12, 13-28. | 8.4 | 7 |
| 53 | Late Cretaceous Metamorphism and Anatexis of the Gangdese Magmatic Arc, South Tibet: Implications for Thickening and Differentiation of Juvenile Crust. <i>Journal of Petrology</i> , 2022, 63, . | 2.8 | 7 |
| 54 | Late Cretaceous hydrous melting and reworking of juvenile lower crust of the eastern Gangdese magmatic arc, southern Tibet. <i>Gondwana Research</i> , 2022, 104, 112-125. | 6.0 | 6 |

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|----|---|-----|-----------|
| 55 | Metamorphic P-T-t Path of UHT Granulites from the North Tongbai Orogen, Central China. <i>Journal of Earth Science (Wuhan, China)</i> , 2018, 29, 1116-1131. | 3.2 | 5 |
| 56 | Petrogenesis and Tectonic Implications of the Early Cretaceous Granitic Pluton in the Sulu Orogenic Belt: The Caochang Granitic Pluton as an Example. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 432. | 2.0 | 5 |
| 57 | Kinematics, strain patterns, rheology, and geochronology of Woka ductile shear zone: Product of uplift of Gangdese batholith and Great Counter Thrust activity. <i>Geological Journal</i> , 2020, 55, 7251-7271. | 1.3 | 4 |
| 58 | Petrogenesis and Tectonic Implications of the Latest Cretaceous Intrusive Rocks from the Eastern Gangdese Belt, Southeast Tibet. <i>Acta Geologica Sinica</i> , 2022, 96, 891-903. | 1.4 | 4 |
| 59 | Timing of Displacement along the Yardoi Detachment Fault, Southern Tibet: Insights from Zircon U-Pb and Mica $^{40}\text{Ar}/^{39}\text{Ar}$ Geochronology. <i>Journal of Earth Science (Wuhan, China)</i> , 2019, 30, 535-548. | 3.2 | 3 |
| 60 | Late Mesozoic diorites of the middle Gangdese magmatic belt of southern Tibet: New insights from SHRIMP U-Pb dating and Sr-Nd-Hf-O isotopes. <i>Lithos</i> , 2021, 404-405, 106420. | 1.4 | 3 |
| 61 | Phase equilibrium modeling of zircon stability in mantle peridotite: Implication for crust-mantle interaction. <i>Science China Earth Sciences</i> , 2022, 65, 282-298. | 5.2 | 3 |
| 62 | Holocene vegetation history and responses to climate and sea-level change in the Liaohe Delta, northeast China. <i>Catena</i> , 2022, 217, 106438. | 5.0 | 3 |
| 63 | Channelized fluids in subducted continental crust: constraints from $\delta^{18}\text{O}$ of quartz and fluid inclusions in quartz veins from the Chinese Continental Scientific Drilling Project. <i>International Geology Review</i> , 2011, 53, 1443-1463. | 2.1 | 2 |
| 64 | Sediment Characteristics, Sources, and Transport Patterns in Kompong Som Bay, Cambodia: Indications from Grain Size and Heavy Minerals. <i>Journal of Ocean University of China</i> , 2021, 20, 329-339. | 1.2 | 2 |
| 65 | Heavy magnesium isotopes in the Gangdese Magmatic Belt: Implications for magmatism in the Mesozoic subduction system of southern Tibet. <i>Lithos</i> , 2021, 390-391, 106106. | 1.4 | 2 |
| 66 | Geochemistry and Petrogenesis of Late Cretaceous–Paleocene Granites from the Tengchong Block, Western Yunnan: Implications for Angle–Switching of Subducting Slab. <i>Acta Geologica Sinica</i> , 2022, 96, 1600-1614. | 1.4 | 1 |
| 67 | Kinematics, strain pattern, and temperature environment of the Yeba shear zone and multistage structural evolution of the Yeba Group. <i>International Journal of Earth Sciences</i> , 0, , 1. | 1.8 | 1 |