

Zhen-Yu He

List of Publications by Year in descending order

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50
papers

3,553
citations

159585

30
h-index

189892

50
g-index

53
all docs

53
docs citations

53
times ranked

1695
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	The crust of Cathaysia: Age, assembly and reworking of two terranes. <i>Precambrian Research</i> , 2007, 158, 51-78.	2.7	428
3	Petrogenesis and tectonic significance of a Mesozoic granite-syenite-gabbro association from inland South China. <i>Lithos</i> , 2010, 119, 621-641.	1.4	221
4	The Taihua group on the southern margin of the North China craton: further insights from U-Pb ages and Hf isotope compositions of zircons. <i>Mineralogy and Petrology</i> , 2009, 97, 43-59.	1.1	189
5	Petrogenesis of the Late Yanshanian mantle-derived intrusions in southeastern China: Response to the geodynamics of paleo-Pacific plate subduction. <i>Chemical Geology</i> , 2012, 328, 208-221.	3.3	188
6	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
7	Paleoproterozoic crustal evolution of the Tarim Craton: Constrained by zircon U-Pb and Hf isotopes of meta-igneous rocks from Korla and Dunhuang. <i>Journal of Asian Earth Sciences</i> , 2013, 78, 54-70.	2.3	121
8	Mesoproterozoic continental arc magmatism and crustal growth in the eastern Central Tianshan Arc Terrane of the southern Central Asian Orogenic Belt: Geochronological and geochemical evidence. <i>Lithos</i> , 2015, 236-237, 74-89.	1.4	118
9	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
10	Neoproterozoic granulites from the northeastern margin of the Tarim Craton: Petrology, zircon U-Pb ages and implications for the Rodinia assembly. <i>Precambrian Research</i> , 2012, 212-213, 21-33.	2.7	107
11	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
12	The origin and crustal evolution of microcontinents in the Beishan orogen of the southern Central Asian Orogenic Belt. <i>Earth-Science Reviews</i> , 2018, 185, 1-14.	9.1	95
13	Zircon U-Pb and Hf isotopic studies of the Xingxingxia Complex from Eastern Tianshan (NW China): Significance to the reconstruction and tectonics of the southern Central Asian Orogenic Belt. <i>Lithos</i> , 2014, 190-191, 485-499.	1.4	93
14	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
15	The making of Gondwana: Discovery of 650 Ma HP granulites from the North Lhasa, Tibet. <i>Precambrian Research</i> , 2012, 212-213, 107-116.	2.7	84
16	Early Palaeozoic high-pressure granulites from the Dunhuang block, northeastern Tarim Craton: constraints on continental collision in the southern Central Asian Orogenic Belt. <i>Journal of Metamorphic Geology</i> , 2012, 30, 753-768.	3.4	78
17	Geochemical and geochronological evidence for a former early Neoproterozoic microcontinent in the South Beishan Orogenic Belt, southernmost Central Asian Orogenic Belt. <i>Precambrian Research</i> , 2015, 266, 409-424.	2.7	64
18	Metamorphic P-T evolution of mafic HP granulites in the northeastern segment of the Tarim Craton (Dunhuang block): Evidence for early Paleozoic continental subduction. <i>Lithos</i> , 2014, 196-197, 1-13.	1.4	63

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19	Early Neoproterozoic granitic gneisses in the Chinese Eastern Tianshan: Petrogenesis and tectonic implications. <i>Journal of Asian Earth Sciences</i> , 2015, 113, 339-352.	2.3	55
20	Geochronology, petrogenesis and metallogeny of Piaotang granitoids in the tungsten deposit region of South China. <i>Geochemical Journal</i> , 2010, 44, 299-313.	1.0	54
21	Reworking of the Gangdese magmatic arc, southeastern Tibet: post-collisional metamorphism and anatexis. <i>Journal of Metamorphic Geology</i> , 2015, 33, 1-21.	3.4	54
22	Zircon U-Pb and Hf isotopic study of gneiss and granodiorite from the southern Beishan orogenic collage: Mesoproterozoic magmatism and crustal growth. <i>Chinese Science Bulletin</i> , 2015, 60, 389-399.	0.7	54
23	Formation of the Yandangshan volcanic-plutonic complex (SE China) by melt extraction and crystal accumulation. <i>Lithos</i> , 2016, 266-267, 287-308.	1.4	52
24	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
25	Geochemical constraints on the link between volcanism and plutonism at the Yunshan caldera complex, SE China. <i>Contributions To Mineralogy and Petrology</i> , 2018, 173, 1.	3.1	43
26	Reverse age zonation of zircon formed by metamictisation and hydrothermal fluid leaching. <i>Lithos</i> , 2012, 150, 256-267.	1.4	42
27	Late Paleozoic intrusive rocks from the southeastern Lhasa terrane, Tibetan Plateau, and their Late Mesozoic metamorphism and tectonic implications. <i>Lithos</i> , 2014, 198-199, 249-262.	1.4	41
28	Mesoproterozoic juvenile crust in microcontinents of the Central Asian Orogenic Belt: evidence from oxygen and hafnium isotopes in zircon. <i>Scientific Reports</i> , 2018, 8, 5054.	3.3	36
29	Zircon trace element constrains on the link between volcanism and plutonism in SE China. <i>Lithos</i> , 2018, 320-321, 28-34.	1.4	35
30	Origin of the Late Cretaceous syenite from Yandangshan, SE China, constrained by zircon U-Pb and Hf isotopes and geochemical data. <i>International Geology Review</i> , 2009, 51, 556-582.	2.1	30
31	Geodynamics of paleo-Pacific plate subduction constrained by the source lithologies of Late Mesozoic basalts in southeastern China. <i>Geophysical Research Letters</i> , 2016, 43, 10,189.	4.0	30
32	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
33	Geochemical evidence for Paleozoic crustal growth and tectonic conversion in the Northern Beishan Orogenic Belt, southern Central Asian Orogenic Belt. <i>Lithos</i> , 2018, 302-303, 189-202.	1.4	30
34	Tracking crystal-melt segregation and magma recharge using zircon trace element data. <i>Chemical Geology</i> , 2020, 542, 119596.	3.3	28
35	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
36	Identifying crystal accumulation and melt extraction during formation of high-silica granite. <i>Geology</i> , 2022, 50, 216-221.	4.4	21

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37	Age and generation of Fogang granite batholith and Wushi diorite-hornblende gabbro body. <i>Science in China Series D: Earth Sciences</i> , 2007, 50, 209-220.	0.9	17
38	Origin and geodynamic significance of the early Mesozoic Weiya LP and HT granulites from the Chinese Eastern Tianshan. <i>Lithos</i> , 2015, 239, 142-156.	1.4	16
39	Cretaceous volcanic-plutonic magmatism in SE China and a genetic model. <i>Lithos</i> , 2021, 402-403, 105728.	1.4	15
40	Two phases of post-onset collision adakitic magmatism in the southern Lhasa subterrane, Tibet, and their tectonic implications. <i>Bulletin of the Geological Society of America</i> , 2020, 132, 1587-1602.	3.3	13
41	Late Cretaceous tectonothermal evolution of the southern Lhasa terrane, South Tibet: Consequence of a Mesozoic Andean-type orogeny. <i>Tectonophysics</i> , 2018, 730, 100-113.	2.2	9
42	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
43	Geochemistry and tectonic implications of Early Permian granitic rocks in the Xingxingxia area of Chinese Central Tianshan Arc Terrane. <i>Geological Journal</i> , 2019, 54, 1578-1590.	1.3	7
44	Geochronology and petrogenesis of Eocene gabbros and granitic rocks of the eastern Gangdese belt, southern Tibet: Implications for the timing of India-Asia collision. <i>Gondwana Research</i> , 2021, 97, 145-157.	6.0	7
45	Oligocene Leucogranites of the Gangdese Batholith, Southern Tibet: Fractional Crystallization of Felsic Melts from Juvenile Lower Crust. <i>Journal of Petrology</i> , 2021, 62, .	2.8	7
46	Magma recharge processes of the Yandangshan volcanic-plutonic caldera complex in the coastal SE China: Constraint from inter-grain variation of Sr isotope of plagioclase. <i>Journal of Asian Earth Sciences</i> , 2020, 201, 104511.	2.3	6
47	Geochemical characteristics and geological significance of the Neoproterozoic carbonates from northern Anhui Province, China. <i>Diqiu Huaxue</i> , 2011, 30, 40-50.	0.5	4
48	Late Carboniferous crustal evolution of the Chinese Central Tianshan microcontinent: Insights from zircon U-Pb and Hf isotopes of granites. <i>Geological Journal</i> , 2020, 55, 1947-1963.	1.3	4
49	Petrogenesis of early Eocene granites and associated mafic enclaves in the Gangdese batholith, Tibet: Implications for net crustal growth in collision zones. <i>Lithos</i> , 2021, 394-395, 106170.	1.4	2
50	Connected volcanic and plutonic association by crystal-melt segregation in the Daiyunshan volcanic field, SE China. <i>Tectonophysics</i> , 2022, 836, 229409.	2.2	2