Zengqian Hou

List of Publications by Year
in descending order

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112 papers	7,950 citations	53751 45 h-index	48277 88 g-index
118 all docs	118 docs citations	118 times ranked	2354 citing authors

#	Article	IF	Citations
1	Contribution of syncollisional felsic magmatism to continental crust growth: A case study of the Paleogene Linzizong volcanic Succession in southern Tibet. Chemical Geology, 2008, 250, 49-67.	1.4	570
2	Mantle contributions to crustal thickening during continental collision: Evidence from Cenozoic igneous rocks in southern Tibet. Lithos, 2007, 96, 225-242.	0.6	538
3	Geochemical and Srâ€“Ndâ€“Pbâ€“O isotopic compositions of the post-collisional ultrapotassic magmatism in SW Tibet: Petrogenesis and implications for India intra-continental subduction beneath southern Tibet. Lithos, 2009, 113, 190-212.	0.6	388
4	Lithospheric Architecture of the Lhasa Terrane and Its Control on Ore Deposits in the Himalayan-Tibetan Orogen. Economic Geology, 2015, 110, 1541-1575.	1.8	374
5	A genetic linkage between subduction- and collision-related porphyry Cu deposits in continental collision zones. Geology, 2015, 43, 247-250.	2.0	359
6	The Miocene Gangdese porphyry copper belt generated during post-collisional extension in the Tibetan Orogen. Ore Geology Reviews, 2009, 36, 25-51.	1.1	321
7	Sanjiang Tethyan metallogenesis in S.W. China: Tectonic setting, metallogenic epochs and deposit types. Ore Geology Reviews, 2007, 31, 48-87.	1.1	293
8	Metallogenesis of the Tibetan collisional orogen: A review and introduction to the special issue. Ore Geology Reviews, 2009, 36, 2-24.	1.1	273
9	Porphyry Cu (â€“Moâ€“Au) deposits related to melting of thickened mafic lower crust: Examples from the eastern Tethyan metallogenic domain. Ore Geology Reviews, 2011, 39, 21-45.	1.1	260
10	Geology of the post-collisional porphyry copperâ€“molybdenum deposit at Qulong, Tibet. Ore Geology Reviews, 2009, 36, 133-159.	1.1	214
11	Nature, diversity of deposit types and metallogenic relations of South China. Ore Geology Reviews, 2007, 31, 3-47.	1.1	207
12	Contribution of mantle components within juvenile lower-crust to collisional zone porphyry Cu systems in Tibet. Mineralium Deposita, 2013, 48, 173-192.	1.7	181
13	Adakite-like porphyries from the southern Tibetan continental collision zones: evidence for slab melt metasomatism. Contributions To Mineralogy and Petrology, 2007, 153, 105-120.	1.2	173
14	The Himalayan collision zone carbonatites in western Sichuan, SW China: Petrogenesis, mantle source and tectonic implication. Earth and Planetary Science Letters, 2006, 244, 234-250.	1.8	166
15	Temporalâ€“spatial distribution and tectonic setting of porphyry copper deposits in Iran: Constraints from zircon Uâ€“Pb and molybdenite Reâ€“Os geochronology. Ore Geology Reviews, 2015, 70, 385-406.	1.1	166
16	Geodynamics and metallogeny of the eastern Tethyan metallogenic domain. Ore Geology Reviews, 2015, 70, 346-384.	1.1	153
17	Recycling of metal-fertilized lower continental crust: Origin of non-arc Au-rich porphyry deposits at cratonic edges. Geology, 2017, 45, 563-566.	2.0	145
18	Geology and genesis of the giant Beiya porphyryâ€“skarn gold deposit, northwestern Yangtze Block, China. Ore Geology Reviews, 2015, 70, 457-485.	1.1	132

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19	Formation of carbonatite-related giant rare-earth-element deposits by the recycling of marine sediments. Scientific Reports, 2015, 5, 10231.	1.6	113
20	Adakitic rocks from slab melt-modified mantle sources in the continental collision zone of southern Tibet. Lithos, 2010, 119, 651-663.	0.6	112
21	Himalayan Cuâ€“Moâ€“Au mineralization in the eastern Indoâ€“Asian collision zone: constraints from Reâ€“Os dating of molybdenite. Mineralium Deposita, 2006, 41, 33-45.	1.7	111
22	Characteristics and genesis of Gangdese porphyry copper deposits in the southern Tibetan Plateau: Preliminary geochemical and geochronological results. Ore Geology Reviews, 2007, 31, 205-223.	1.1	108
23	A synthesis of mineralization styles with an integrated genetic model of carbonatite-syenite-hosted REE deposits in the Cenozoic Mianning-Dechang REE metallogenic belt, the eastern Tibetan Plateau, southwestern China. Journal of Asian Earth Sciences, 2017, 137, 35-79.	1.0	104
24	Continuous carbonatitic meltâ€“fluid evolution of a REE mineralization system: Evidence from inclusions in the Maoniuping REE Deposit, Western Sichuan, China. Ore Geology Reviews, 2009, 36, 90-105.	1.1	101
25	The giant Dexing porphyry Cuâ€“Moâ€“Au deposit in east China: product of melting of juvenile lower crust in an intracontinental setting. Mineralium Deposita, 2013, 48, 1019-1045.	1.7	96
26	The Himalayan Mianningâ€“Dechang REE belt associated with carbonatiteâ€“alkaline complexes, eastern Indo-Asian collision zone, SW China. Ore Geology Reviews, 2009, 36, 65-89.	1.1	94
27	Geochronology and geochemistry of the Early Jurassic Yeba Formation volcanic rocks in southern Tibet: Initiation of back-arc rifting and crustal accretion in the southern Lhasa Terrane. Lithos, 2017, 278-281, 477-490.	0.6	89
28	Development of REE mineralization in the giant Maoniuping deposit (Sichuan, China): insights from mineralogy, fluid inclusions, and trace-element geochemistry. Mineralium Deposita, 2019, 54, 701-718.	1.7	87
29	A model for carbonatite hosted REE mineralisation â€” the Mianningâ€“Dechang REE belt, Western Sichuan Province, China. Ore Geology Reviews, 2015, 70, 595-612.	1.1	83
30	Eocene high-MgO volcanism in southern Tibet: New constraints for mantle source characteristics and deep processes. Lithos, 2008, 105, 63-72.	0.6	82
31	Metallogeny of the northeastern Gangdese Pbâ€“Znâ€“Agâ€“Feâ€“Moâ€“W polymetallic belt in the Lhasa terrane, southern Tibet. Ore Geology Reviews, 2015, 70, 510-532.	1.1	76
32	Dating the giant Zhuxi Wâ€“Cu deposit (Taqianâ€“Fuchun Ore Belt) in South China using molybdenite Reâ€“Os and muscovite Arâ€“Ar system. Ore Geology Reviews, 2017, 86, 719-733.	1.1	69
33	Extent of underthrusting of the Indian plate beneath Tibet controlled the distribution of Miocene porphyry Cuâ€“Mo Â± Au deposits. Mineralium Deposita, 2014, 49, 165-173.	1.7	66
34	Post-collisional Sb and Au mineralization related to the South Tibetan detachment system, Himalayan orogen. Ore Geology Reviews, 2009, 36, 194-212.	1.1	61
35	Geology and origin of the post-collisional Narigongma porphyry Cuâ€“Mo deposit, southern Qinghai, Tibet. Gondwana Research, 2014, 26, 536-556.	3.0	60
36	Zircon Uâ€“Pb ages of the Mianningâ€“Dechang syenites, Sichuan Province, southwestern China: Constraints on the giant REE mineralization belt and its regional geological setting. Ore Geology Reviews, 2015, 64, 554-568.	1.1	60

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37	Thrust-controlled, sediment-hosted, Himalayan Znâ€“Pbâ€“Cuâ€“Ag deposits in the Lanping foreland fold belt, eastern margin of Tibetan Plateau. Ore Geology Reviews, 2009, 36, 106-132.	1.1	57
38	Porphyry mineralization in the Tethyan orogen. Science China Earth Sciences, 2020, 63, 2042-2067.	2.3	56
39	Geochronology and geochemistry of the granites from the Zhuxi W-Cu ore deposit in South China: Implication for petrogenesis, geodynamical setting and mineralization. Lithos, 2018, 304-307, 155-179.	0.6	55
40	The Deep-Time Digital Earth program: data-driven discovery in geosciences. National Science Review, 2021, 8, nwab027.	4.6	55
41	Major and trace elements and sulfur isotopes in two stages of sphalerite from the world-class Angouran Znâ€“Pb deposit, Iran: Implications for mineralization conditions and type. Ore Geology Reviews, 2019, 109, 184-200.	1.1	54
42	Cospatial Eocene and Miocene granitoids from the Jiru Cu deposit in Tibet: Petrogenesis and implications for the formation of collisional and postcollisional porphyry Cu systems in continental collision zones. Lithos, 2016, 245, 243-257.	0.6	53
43	Xenoliths in ultrapotassic volcanic rocks in the Lhasa block: direct evidence for crustâ€“mantle mixing and metamorphism in the deep crust. Contributions To Mineralogy and Petrology, 2016, 171, 1.	1.2	52
44	Nd isotopic variation of Paleozoicâ€“Mesozoic granitoids from the Da Hinggan Mountains and adjacent areas, NE Asia: Implications for the architecture and growth of continental crust. Lithos, 2017, 272-273, 164-184.	0.6	51
45	The anomalous lithium isotopic signature of Himalayan collisional zone carbonatites in western Sichuan, SW China: Enriched mantle source and petrogenesis. Geochimica Et Cosmochimica Acta, 2015, 159, 42-60.	1.6	48
46	Eocene potassic and ultrapotassic volcanism in south Tibet: New constraints on mantle source characteristics and geodynamic processes. Lithos, 2010, 117, 20-32.	0.6	40
47	Zircon Alteration as a Proxy for Rare Earth Element Mineralization Processes in Carbonatite-Nordmarkite Complexes of the Mianning-Dechang Rare Earth Element Belt, China. Economic Geology, 2019, 114, 719-744.	1.8	39
48	Geoscience knowledge graph in the big data era. Science China Earth Sciences, 2021, 64, 1105-1114.	2.3	37
49	Two episodes of mineralization in the Mengyaâ€™a deposit and implications for the evolution and intensity of Pbâ€“Znâ€“(Ag) mineralization in the Lhasa terrane, Tibet. Ore Geology Reviews, 2017, 90, 877-896.	1.1	35
50	Tracking deep ancient crustal components by xenocrystic/inherited zircons of Palaeozoic felsic igneous rocks from the Altaiâ€“East Junggar terrane and adjacent regions, western Central Asian Orogenic Belt and its tectonic significance. International Geology Review, 2017, 59, 2021-2040.	1.1	35
51	Early Mesozoic Magmatism Within the Tibetan Plateau: Implications for the Paleoâ€Tethyan Tectonic Evolution and Continental Amalgamation. Tectonics, 2019, 38, 3505-3543.	1.3	33
52	Permian back-arc basin basalts in the Yushu area: New constrain on the Paleo-Tethyan evolution of the north-central Tibet. Lithos, 2017, 286-287, 216-226.	0.6	32
53	Devonian Nb-enriched basalts and andesites of north-central Tibet: Evidence for the early subduction of the Paleo-Tethyan oceanic crust beneath the North Qiangtang Block. Tectonophysics, 2016, 682, 96-107.	0.9	31
54	Jurassic granitoids in the northwestern Sanandajâ€“Sirjan Zone: Evolving magmatism in response to the development of a Neo-Tethyan slab window. Gondwana Research, 2018, 62, 269-286.	3.0	31

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55	Fingerprinting metal transfer from mantle. Nature Communications, 2019, 10, 3510.	5.8	30
56	Jurassic Hornblende Gabbros in Dongga, Eastern Gangdese, Tibet: Partial Melting of Mantle Wedge and Implications for Crustal Growth. Acta Geologica Sinica, 2017, 91, 545-564.	0.8	28
57	Xiongcun, Tibet: A telescoped system of veinlet-disseminated Cu (Au) mineralization and late vein-style Au (Ag)-polymetallic mineralization in a continental collision zone. Ore Geology Reviews, 2009, 36, 174-193.	1.1	27
58	Mantle flow: The deep mechanism of large-scale growth in Tibetan Plateau. Chinese Science Bulletin, 2021, 66, 2671-2690.	0.4	27
59	Formation of the Dongmozhazhua Pbâ€“Zn Deposit in the Thrustâ€Fold Setting of the Tibetan Plateau, China: Evidence from Fluid Inclusion and Stable Isotope Data. Resource Geology, 2011, 61, 384-406.	0.3	26
60	Re-Os age for molybdenite from the Gangdese porphyry copper belt on Tibetan plateau: Implication for geodynamic setting and duration of the Cu mineralization. Science in China Series D: Earth Sciences, 2004, 47, 221.	0.9	26
61	Lithium isotopic composition and concentration of Himalayan leucogranites and the Indian lower continental crust. Lithos, 2017, 284-285, 416-428.	0.6	23
62	New Mapping of the World-Class Jinding Zn-Pb Deposit, Lanping Basin, Southwest China: Genesis of Ore Host Rocks and Records of Hydrocarbon-Rock Interaction. Economic Geology, 2020, 115, 981-1002.	1.8	23
63	Paleocene adakitic porphyry in the northern Qiangtang area, north-central Tibet: Evidence for early uplift of the Tibetan Plateau. Lithos, 2015, 212-215, 45-58.	0.6	22
64	Pyrite Re-Os age constraints on the Irankuh Zn-Pb deposit, Iran, and regional implications. Ore Geology Reviews, 2019, 104, 148-159.	1.1	21
65	Post-collisional ultrapotassic volcanism in the Tangra Yumco-Xuruco graben, south Tibet: Constraints from geochemistry and Srâ€“Ndâ€“Pb isotope. Lithos, 2009, 110, 129-139.	0.6	20
66	Lower-Crustal Magmatic Hornblendite in North China Craton: Insight into the Genesis of Porphyry Cu Deposits. Economic Geology, 2015, 110, 1879-1904.	1.8	20
67	Chemical and stable isotopic (B, H, and O) compositions of tourmaline in the Maocaoping vein-type Cu deposit, western Yunnan, China: Constraints on fluid source and evolution. Chemical Geology, 2016, 439, 173-188.	1.4	20
68	Lithium isotopic evidence for subduction of the Indian lower crust beneath southern Tibet. Gondwana Research, 2020, 77, 168-183.	3.0	20
69	Geology and chronology of the Zhaofayong carbonate-hosted Pbâ€“Zn ore cluster: Implication for regional Pbâ€“Zn metallogenesis in the Sanjiang belt, Tibet. Gondwana Research, 2016, 35, 15-26.	3.0	19
70	The geochemical evolution of syncollisional magmatism and the implications for significant magmatic-hydrothermal leadâ€“zinc mineralization (Gangdese, Tibet). Lithos, 2017, 288-289, 143-155.	0.6	18
71	Discovery of Cu-Zn, Cu-Sn intermetallic minerals and its significance for genesis of the Mianning-Dechang REE Metallogenic Belt, Sichuan Province, China. Science in China Series D: Earth Sciences, 2006, 49, 597-603.	0.9	17
72	Petrogenesis and metallogenic significance of multistage granites in Shimensi tungsten polymetallic deposit, Dahutang giant ore field, South China. Lithos, 2019, 336-337, 326-344.	0.6	17

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73	Metallogenesis of the Tibetan collisional orogen. Ore Geology Reviews, 2009, 36, 1.	1.1	16
74	Rbâ€“Sr and Smâ€“Nd Isochron Ages of the Dongmozhazhua and Mohailaheng Pbâ€“Zn Ore Deposits in the Yushu area, southern Qinghai and Their Geological Implications. Acta Geologica Sinica, 2014, 88, 558-569.	0.8	14
75	Reâ€“Os Dating of Sulfides from the Volcanogenic Massive Sulfide Deposit at Gacun, Southwestern China. Resource Geology, 2003, 53, 305-310.	0.3	13
76	Genesis of the Gold Deposit in the Indus-Yarlung Tsangpo Suture Zone, Southern Tibet: Evidence from Geological and Geochemical Data. Acta Geologica Sinica, 2017, 91, 947-970.	0.8	12
77	The structural deformation characteristics and the control of gold mineralization of the upper Triassic flysch (Langjiexue Group) in Tibetan Plateau. Geological Journal, 2019, 54, 1331-1342.	0.6	12
78	Structural controls on carbonate-hosted Pbâ€“Zn mineralization in the Dongmozhazhua deposit, central Tibet. Ore Geology Reviews, 2017, 90, 863-876.	1.1	11
79	Lithium content and isotopic composition of the juvenile lower crust in southern Tibet. Gondwana Research, 2018, 62, 198-211.	3.0	11
80	Magnesium isotopic behaviors between metamorphic rocks and their associated leucogranites, and implications for Himalayan orogenesis. Gondwana Research, 2020, 87, 23-40.	3.0	11
81	Isotopic spatial-temporal evolution of magmatic rocks in the Gangdese belt: Implications for the origin of Miocene post-collisional giant porphyry deposits in southern Tibet. Bulletin of the Geological Society of America, 0, , .	1.6	11
82	Redox states and protoliths of Late Mesozoic granitoids in the eastern Jiangnan Orogen: Implications for W, Mo, Cu, Sn, and (Au) mineralization. Ore Geology Reviews, 2021, 134, 104038.	1.1	11
83	The Zhaxikang Veinâ€type Pbâ€Znâ€Agâ€Sb Deposit in Himalayan Orogen, Tibet: Product by Overprinting and Remobilization Processes during Postâ€collisional Period. Acta Geologica Sinica, 2018, 92, 682-705.	0.8	10
84	Metallogenesis within continental collision zones: Comparisons of modern collisional orogens. Science China Earth Sciences, 2018, 61, 1737-1760.	2.3	9
85	Magmatic expression of tectonic transition from oceanic subduction to continental collision: Insights from the Middle Triassic rhyolites of the North Qiangtang Block. Gondwana Research, 2020, 87, 67-82.	3.0	9
86	Enrichment Nature of Ultrapotassic Rocks in Southern Tibet Inherited from their Mantle Source. Journal of Petrology, 2021, 62, .	1.1	9
87	Oreâ€Forming Fluids as Sampled by Sulfideâ€and Quartzâ€Hosted Fluid Inclusions in the <scp>J</scp>inwozi Lode Gold Deposit, Eastern <scp>T</scp>ianshan <scp>M</scp>ountains of <scp>C</scp>hina. Resource Geology, 2014, 64, 183-208.	0.3	8
88	Twoâ€Stage Sulfide Mineral Assemblages in the Mineralized Ultramafic Rocks of the Laowangzhai Gold Deposit (Yunnan, SW China): Implications for Metallogenic Evolution. Resource Geology, 2019, 69, 270-286.	0.3	8
89	In situ oxygen isotope, trace element, and fluid inclusion evidence for a primary magmatic fluid origin for the shell-shaped pegmatoid zone within the giant Dahutang tungsten deposit, Jiangxi Province, South China. Ore Geology Reviews, 2019, 104, 540-560.	1.1	8
90	Palynological constraints on the age of the Mississippi Valley-type Changdong Pb-Zn deposit, Sanjiang belt, West China. Science China Earth Sciences, 2022, 65, 167-181.	2.3	8

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91	Mineralogy and Chemistry of Sulfides from the Longqi and Duanqiao Hydrothermal Fields in the Southwest Indian Ridge. Acta Geologica Sinica, 2018, 92, 1798-1822.	0.8	7
92	Iron and sulfur isotopic compositions of carbonatite-related REE deposits in the Mianningâ€“Dechang REE belt, China: Implications for fluid evolution. Ore Geology Reviews, 2021, 138, 104373.	1.1	6
93	Mineralogical characteristics and Srâ€“Ndâ€“Pb isotopic compositions of banded REE ores in the Bayan Obo deposit, Inner Mongolia, China: Implications for their formation and origin. Ore Geology Reviews, 2021, 139, 104492.	1.1	6
94	Gold in the lithosphere of the western South China Block, SW China: Insights from quartz porphyries from the giant Zhenyuan gold deposit. Ore Geology Reviews, 2020, 119, 103312.	1.1	5
95	Metallogenic ages and sulfur sources of the giant Dahutang Wâ€“Cuâ€“Mo ore field, South China: Constraints from muscovite 40Ar/39Ar dating and in situ sulfur isotope analyses. Ore Geology Reviews, 2021, 134, 104141.	1.1	5
96	Geochronology and Geochemistry of the Granite Xenolith within the Lamprophyre at the Zhenyuan Gold Deposit (Yunnan Province, SW China). Acta Geologica Sinica, 2022, 96, 477-489.	0.8	5
97	The cold and hot collisional orogens: Thermal regimes and metallogeny of the Alpine versus Himalayan-Tibetan belts. Ore Geology Reviews, 2022, 141, 104671.	1.1	4
98	Metallogenesis in the Tibetan collisional orogenic Belt. , 2005, , 1231-1233.		3
99	Porphyry Cu deposits linked to episodic growth of an underlying parental magma chamber. Science China Earth Sciences, 2020, 63, 1807-1816.	2.3	3
100	Petrogenesis, Redox State, and Mineralization Potential of Triassic Granitoids in the Mengshan District, South China. Frontiers in Earth Science, 2021, 9, .	0.8	3
101	Magmatic processes recorded in plagioclase and the geodynamic implications in the giant Shimensi Wâ€“Cuâ€“Mo deposit, Dahutang ore field, South China. Journal of Asian Earth Sciences, 2021, 212, 104734.	1.0	3
102	Hydrous Juvenile Lower Crust at the Western Yangtze Craton Margin as the Main Source of the Beiya Porphyryâ€skarn Au Deposit. Acta Geologica Sinica, 2022, 96, 972-992.	0.8	3
103	Multiple volcanic episodes of the Kermanshah forearc basin, SW Iran: a record of the deactivation and re-initiation of Neotethyan subduction involving a mid-ocean ridge. Journal of the Geological Society, 2023, 180, .	0.9	3
104	Petrogenesis and redox state of late Mesozoic granites in the Pingmiao deposit: Implications for the Wâ€“Cuâ€“Mo mineralization in the Dahutang district. Ore Geology Reviews, 2022, 145, 104898.	1.1	2
105	Source of the Oreâ€forming Adakitic Porphyry at the Beiya Superâ€large Au Deposit, Western Yangtze Craton: New Evidence from Zircon Uâ€Pb Ages of the Amphibolite Xenoliths. Acta Geologica Sinica, 2020, 94, 208-209.	0.8	1
106	China and Mongoliaâ€”Precambrian-Paleozoic. , 2021, , 494-508.		1
107	INFLUENCE OF ORGANIC MATTER ON Re-Os DATING OF SULFIDES: INSIGHTS FROM THE GIANT JINDING SEDIMENT-HOSTED Zn-Pb DEPOSIT, CHINA. Economic Geology, 0, , .	1.8	1
108	Mixing Deposition of Upper Carboniferous in Jiangshan, Zhejiang Province and its Tectonic Significance. Acta Geologica Sinica, 2010, 84, 269-279.	0.8	0

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109	A Special Issue Devoted to the Accretionary and Collisional Tectonics of the Altaids and its Metallogeny: Preface. Acta Geologica Sinica, 2019, 93, I.	0.8	0
110	New Zircon Uâ€Pb Ages for the Volcanoâ€sedimentary Strata in Yamu, Tibet and their Geological Significance. Acta Geologica Sinica, 2021, 95, 687-690.	0.8	0
111	Relationship of the Cenozoic Beiya Cu-Au mineralization to alkali-rich porphyries in western Yunnan, China. , 2005, , 1279-1281.		0
112	Asthenospheric mantle metasomatized by subducted marine sediments: Li isotopic evidence from Dagze mafic rocks, southern Tibet. Lithos, 2022, 426-427, 106782.	0.6	0