

Huayong Chen

List of Publications by Year in descending order

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48
papers

1,202
citations

361413

20
h-index

395702

33
g-index

59
all docs

59
docs citations

59
times ranked

687
citing authors

#	ARTICLE	IF	CITATIONS
1	The chlorite proximator: A new tool for detecting porphyry ore deposits. <i>Journal of Geochemical Exploration</i> , 2015, 152, 10-26.	3.2	147
2	Magmatic evolution of the Tuwu-Yandong porphyry Cu belt, NW China: Constraints from geochronology, geochemistry and Sr-Nd-Hf isotopes. <i>Gondwana Research</i> , 2017, 43, 74-91.	6.0	122
3	Geochronology and geochemistry of igneous rocks in the Bailingshan area: Implications for the tectonic setting of late Paleozoic magmatism and iron skarn mineralization in the eastern Tianshan, NW China. <i>Gondwana Research</i> , 2016, 38, 40-59.	6.0	76
4	The Late Paleozoic magmatic evolution of the Aqishan-Yamansu belt, Eastern Tianshan: Constraints from geochronology, geochemistry and Sr-Nd-Pb-Hf isotopes of igneous rocks. <i>Journal of Asian Earth Sciences</i> , 2018, 153, 170-192.	2.3	55
5	Late Paleozoic magmatism and metallogenesis in the Aqishan-Yamansu belt, Eastern Tianshan: Constraints from the Bailingshan intrusive complex. <i>Gondwana Research</i> , 2019, 65, 68-85.	6.0	42
6	Intra-continental back-arc basin inversion and Late Carboniferous magmatism in Eastern Tianshan, NW China: Constraints from the Shaquanzi magmatic suite. <i>Geoscience Frontiers</i> , 2017, 8, 1447-1467.	8.4	40
7	Fractionation of Cu and Mo isotopes caused by vapor-liquid partitioning, evidence from the Dahutang W-Cu-Mo ore field. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 1725-1739.	2.5	39
8	Dating Ore Deposit Using Garnet U-Pb Geochronology: Example from the Xinqiao Cu-Sa-Fe-Au Deposit, Eastern China. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 31.	2.0	34
9	CO ₂ -rich fluid from metamorphic devolatilization of the Triassic Orogeny: an example from the Qiaxia copper deposit in Altay, NW China. <i>Geological Journal</i> , 2014, 49, 617-634.	1.3	33
10	Exhumation and Preservation of Paleozoic Porphyry Cu Deposits: Insights from the Yandong Deposit, Southern Central Asian Orogenic Belt. <i>Economic Geology</i> , 2021, 116, 607-628.	3.8	33
11	Metallogenesis and major challenges of porphyry copper systems above subduction zones. <i>Science China Earth Sciences</i> , 2020, 63, 899-918.	5.2	32
12	Genesis of the Paleozoic Aqishan-Yamansu arc-basin system and Fe (-Cu) mineralization in the Eastern Tianshan, NW China. <i>Ore Geology Reviews</i> , 2019, 105, 55-70.	2.7	31
13	Geochronology and Geochemistry of Igneous Rocks from the Laoshankou District, North Xinjiang: Implications for the Late Paleozoic Tectonic Evolution and Metallogenesis of East Junggar. <i>Lithos</i> , 2016, 266-267, 115-132.	1.4	30
14	Texture and geochemistry of multi-stage hydrothermal scheelite in the Tongshankou porphyry-skarn Cu-Mo(-W) deposit, eastern China: Implications for ore-forming process and fluid metasomatism. <i>American Mineralogist</i> , 2020, 105, 945-954.	1.9	30
15	Off-Mount Calibration and One New Potential Pyrrhotite Reference Material for Sulfur Isotope Measurement by Secondary Ion Mass Spectrometry. <i>Geostandards and Geoanalytical Research</i> , 2019, 43, 177-187.	3.1	29
16	Hydrothermal alteration, fluid inclusions and stable isotope characteristics of the Shaquanzi Fe-Cu deposit, Eastern Tianshan: Implications for deposit type and metallogenesis. <i>Ore Geology Reviews</i> , 2018, 100, 385-400.	2.7	28
17	Elemental behavior during chlorite alteration: New insights from a combined EMPA and LA-ICPMS study in porphyry Cu systems. <i>Chemical Geology</i> , 2020, 543, 119604.	3.3	28
18	Timing of carbonatite-hosted U-polymetallic mineralization in the supergiant Huayangchuan deposit, Qinling Orogen: Constraints from titanite U-Pb and molybdenite Re-Os dating. <i>Geoscience Frontiers</i> , 2020, 11, 1581-1592.	8.4	27

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19	Tectonic transition in the Aqishan-Yamansu belt, Eastern Tianshan: Constraints from the geochronology and geochemistry of Carboniferous and Triassic igneous rocks. <i>Lithos</i> , 2019, 344-345, 247-264.	1.4	23
20	Multiple mineralization events of the Paleozoic Tuwu porphyry copper deposit, Eastern Tianshan: evidence from geology, fluid inclusions, sulfur isotopes, and geochronology. <i>Mineralium Deposita</i> , 2019, 54, 1053-1076.	4.1	23
21	Magnetite texture and trace-element geochemistry fingerprint of pulsed mineralization in the Xinqiao Cu-Fe-Au deposit, Eastern China. <i>American Mineralogist</i> , 2020, 105, 1712-1723.	1.9	22
22	Formation of the Jurassic Changboshan-Xieniqishan highly fractionated I-type granites, northeastern China: implication for the partial melting of juvenile crust induced by asthenospheric mantle upwelling. <i>Geological Journal</i> , 2015, 50, 122-138.	1.3	21
23	Element transport and enrichment during propylitic alteration in Paleozoic porphyry Cu mineralization systems: Insights from chlorite chemistry. <i>Ore Geology Reviews</i> , 2018, 102, 437-448.	2.7	21
24	Genesis of the supergiant Huayangchuan carbonatite-hosted uranium-polymetallic deposit in the Qinling Orogen, Central China. <i>Gondwana Research</i> , 2020, 86, 250-265.	6.0	21
25	Ore genesis of the Duotoushan Fe-Cu deposit, Eastern Tianshan, NW China: Constraints from ore geology, mineral geochemistry, fluid inclusion and stable isotopes. <i>Ore Geology Reviews</i> , 2018, 100, 401-421.	2.7	20
26	Discriminating hydrothermal fluid sources using tourmaline boron isotopes: Example from Bailingshan Fe deposit in the Eastern Tianshan, NW China. <i>Ore Geology Reviews</i> , 2018, 98, 28-37.	2.7	19
27	Re-Os pyrite geochronology of Zn-Pb mineralization in the giant Caixiashan deposit, NW China. <i>Mineralium Deposita</i> , 2016, 51, 309-317.	4.1	17
28	Mesozoic porphyry Cu-Au mineralization and associated adakite-like magmatism in the Philippines: insights from the giant Atlas deposit. <i>Mineralium Deposita</i> , 2020, 55, 881-900.	4.1	17
29	Inherited Eocene magmatic tourmaline captured by the Miocene Himalayan leucogranites. <i>American Mineralogist</i> , 2020, 105, 1436-1440.	1.9	16
30	Tectonic and magmatic evolution of the Aqishan-Yamansu belt: A Paleozoic arc-related basin in the Eastern Tianshan (NW China). <i>Bulletin of the Geological Society of America</i> , 2021, 133, 1320-1344.	3.3	14
31	Magmatic Water Content and Crustal Evolution Control on Porphyry Systems: Insights from the Central Asian Orogenic Belt. <i>Journal of Petrology</i> , 2021, 62, .	2.8	13
32	A Potential New Chalcopyrite Reference Material for Secondary Ion Mass Spectrometry Sulfur Isotope Ratio Analysis. <i>Geostandards and Geoanalytical Research</i> , 2020, 44, 485-500.	3.1	12
33	Hydrothermal alteration processes of fluorapatite and implications for REE remobilization and mineralization. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	3.1	12
34	Multiple-Stage Mineralization in the Huayangchuan U-REE-Mo-Cu-Fe Ore Belt of the Qinling Orogen, Central China: Geological and Re-Os Geochronological Constraints. <i>Journal of Earth Science (Wuhan, China)</i> , 2022, 33, 193-204.	3.2	11
35	Chlorite alteration in porphyry Cu systems: New insights from mineralogy and mineral chemistry. <i>Applied Clay Science</i> , 2020, 190, 105585.	5.2	8
36	Ore genesis of the Weibao lead-zinc district, Eastern Kunlun Orogen, China: constrains from ore geology, fluid inclusion and isotope geochemistry. <i>International Journal of Earth Sciences</i> , 2015, 104, 1209-1233.	1.8	7

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37	Crustal structure control on porphyry copper systems in accretionary orogens: insights from Nd isotopic mapping in the Central Asian Orogenic Belt. <i>Mineralium Deposita</i> , 2022, 57, 631-641.	4.1	7
38	The Paleozoic-Mesozoic magmatic evolution of the Eastern Tianshan, NW China: Constraints from geochronology and geochemistry of the Sanchakou intrusive complex. <i>Gondwana Research</i> , 2022, 103, 1-22.	6.0	5
39	Advances in Isotope Geochronology and Isotope Geochemistry: A Preface. <i>Journal of Earth Science (Wuhan, China)</i> , 2022, 33, 1-4.	3.2	5
40	Pyrite and magnetite Re ¹⁸⁷ Os isotope systematics at the Laoshankou Fe ⁵⁷ Cu ⁵⁸ Au deposit in the northern margin of the East Junggar terrane, NW Xinjiang, China: Constraints on the multistage mineralization and metal sources. <i>Geological Journal</i> , 2020, 55, 4265-4278.	1.3	4
41	NJUCal ¹⁰⁰ : A New Calcite Oxygen Isotope Reference Material for Microbeam Analysis. <i>Geostandards and Geoanalytical Research</i> , 0, , .	3.1	4
42	Zircon U ²³⁸ Pb and Lu ¹⁷⁶ Hf systematics of the major terranes of the Western Superior Craton, Canada: Mantle-crust interaction and mechanism(s) of craton formation. <i>Gondwana Research</i> , 2020, 78, 261-277.	6.0	3
43	Multiphase magmatic overprinting in the Late Jurassic Laoniushan pluton at the SW margin of the North China Craton: Geochronological and petrogenetic constraints. <i>Geological Journal</i> , 2020, 55, 6732-6748.	1.3	3
44	Texture and composition of magnetite in the Duotoushan deposit, NW China: implications for ore genesis of Fe ⁵⁷ Cu deposits. <i>Mineralogical Magazine</i> , 2020, 84, 398-411.	1.4	2
45	Geochronology and geochemistry of a newly identified Permian hornblende gabbro suite in Aqishan ¹⁰⁰ Yamansu Belt, eastern Tianshan, <sc>NW</sc> China: Implications on petrogenesis and tectonic setting. <i>Geological Journal</i> , 2021, 56, 5506-5530.	1.3	2
46	Experimental study of high to intermediate temperature alteration in porphyry copper systems and geological implications. <i>Science China Earth Sciences</i> , 2019, 62, 550-570.	5.2	0
47	Textural and compositional evolution of iron oxides at Mina Justa (Peru): implications for mushketovite and formation of IOCG deposits. <i>American Mineralogist</i> , 2020, , .	1.9	0
48	Using titanite to constrain geochronology and physicochemical conditions of hydrothermal mineralization events: A case study of the Duotoushan <sc>Fe</sc> â€“ <sc>Cu</sc> deposit, Eastern Tianshan, <sc>NW</sc> China. <i>Geological Journal</i> , 0, , .	1.3	0