

Yi-Xiang Chen

List of Publications by Year in descending order

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44
papers

1,719
citations

331670

21
h-index

276875

41
g-index

44
all docs

44
docs citations

44
times ranked

965
citing authors

#	ARTICLE	IF	CITATIONS
1	Developing plate tectonics theory from oceanic subduction zones to collisional orogens. <i>Science China Earth Sciences</i> , 2015, 58, 1045-1069.	5.2	198
2	Continental versus oceanic subduction zones. <i>National Science Review</i> , 2016, 3, 495-519.	9.5	189
3	Geochemical and U-Pb age constraints on the occurrence of polygenetic titanites in UHP metagranite in the Dabie orogen. <i>Lithos</i> , 2012, 136-139, 93-108.	1.4	116
4	Metamorphic growth and recrystallization of zircons in extremely 18O-depleted rocks during eclogite-facies metamorphism: Evidence from U-Pb ages, trace elements, and O-Hf isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 4877-4898.	3.9	110
5	Dehydration melting of ultrahigh-pressure eclogite in the Dabie orogen: evidence from multiphase solid inclusions in garnet. <i>Journal of Metamorphic Geology</i> , 2012, 30, 193-212.	3.4	104
6	U-Pb ages and trace elements in metamorphic zircon and titanite from UHP eclogite in the Dabie orogen: constraints on P-T-t path. <i>Journal of Metamorphic Geology</i> , 2011, 29, 721-740.	3.4	92
7	Synexhumation anatexis of ultrahigh-pressure metamorphic rocks: Petrological evidence from granitic gneiss in the Sulu orogen. <i>Lithos</i> , 2013, 156-159, 69-96.	1.4	89
8	Petrological and zircon evidence for anatexis of UHP quartzite during continental collision in the Sulu orogen. <i>Journal of Metamorphic Geology</i> , 2013, 31, 389-413.	3.4	74
9	Mg-O isotopes trace the origin of Mg-rich fluids in the deeply subducted continental crust of Western Alps. <i>Earth and Planetary Science Letters</i> , 2016, 456, 157-167.	4.4	53
10	Trace element composition of continentally subducted slab-derived melt: insight from multiphase solid inclusions in ultrahigh-pressure eclogite in the Dabie orogen. <i>Journal of Metamorphic Geology</i> , 2013, 31, 453-468.	3.4	52
11	The anatectic effect on the zircon Hf isotope composition of migmatites and associated granites. <i>Lithos</i> , 2015, 238, 174-184.	1.4	49
12	Extreme Nb/Ta fractionation in metamorphic titanite from ultrahigh-pressure metagranite. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 150, 53-73.	3.9	44
13	Multiphase solid inclusions in zoisite-bearing eclogite: evidence for partial melting of ultrahigh-pressure metamorphic rocks during continental collision. <i>Lithos</i> , 2014, 200-201, 1-21.	1.4	41
14	Partial melting of ultrahigh-pressure metamorphic rocks during continental collision: Evidence, time, mechanism, and effect. <i>Journal of Asian Earth Sciences</i> , 2017, 145, 177-191.	2.3	38
15	U-Pb ages and trace elements of metamorphic rutile from ultrahigh-pressure quartzite in the Sulu orogen. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 143, 87-114.	3.9	34
16	Protolith control on fluid availability for zircon growth during continental subduction-zone metamorphism in the Dabie orogen. <i>Journal of Asian Earth Sciences</i> , 2013, 67-68, 93-113.	2.3	29
17	Zircon geochemistry records the action of metamorphic fluid on the formation of ultrahigh-pressure jadeite quartzite in the Dabie orogen. <i>Chemical Geology</i> , 2015, 419, 158-175.	3.3	29
18	Tracking Fe mobility and Fe speciation in subduction zone fluids at the slab-mantle interface in a subduction channel: A tale of whiteschist from the Western Alps. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 267, 1-16.	3.9	27

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19	Composite carbonate and silicate multiphase solid inclusions in metamorphic garnet from ultrahigh-pressure eclogite in the Dabie orogen. <i>Journal of Metamorphic Geology</i> , 2014, 32, 961-980.	3.4	25
20	Tracing subduction zone fluids with distinct Mg isotope compositions: Insights from high-pressure metasomatic rocks (leucophyllites) from the Eastern Alps. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 271, 154-178.	3.9	23
21	Multiphase solid inclusions in ultrahigh-pressure metamorphic rocks: A snapshot of anatectic melts during continental collision. <i>Journal of Asian Earth Sciences</i> , 2017, 145, 192-204.	2.3	22
22	Geochemical constraints on petrogenesis of marble-hosted eclogites from the Sulu orogen in China. <i>Chemical Geology</i> , 2016, 436, 35-53.	3.3	21
23	Petrological and zircon evidence for the Early Cretaceous granulite-facies metamorphism in the Dabie orogen, China. <i>Lithos</i> , 2017, 284-285, 11-29.	1.4	21
24	Garnet geochemistry records the action of metamorphic fluids in ultrahigh-pressure dioritic gneiss from the Sulu orogen. <i>Chemical Geology</i> , 2015, 398, 46-60.	3.3	20
25	Zircon geochemical constraints on the protolith nature and metasomatic process of the Mg-rich whiteschist from the Western Alps. <i>Chemical Geology</i> , 2017, 467, 177-195.	3.3	18
26	Polyphase growth of accessory minerals during continental collision: Geochemical evidence from ultrahigh-pressure metamorphic gneisses in the Sulu orogen. <i>Lithos</i> , 2013, 177, 245-267.	1.4	17
27	Geochemistry of high-pressure to ultrahigh-pressure granitic melts produced by decompressional melting of deeply subducted continental crust in the Sulu orogen, east-central China. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 288, 214-247.	3.9	16
28	Geochemical evidence for forearc metasomatism of peridotite in the Xigaze ophiolite during subduction initiation in Neo-Tethyan Ocean, south to Tibet. <i>Lithos</i> , 2021, 380-381, 105896.	1.4	16
29	Polygenetic titanite records the composition of metamorphic fluids during the exhumation of ultrahigh-pressure metagranite in the Sulu orogen. <i>Journal of Metamorphic Geology</i> , 2016, 34, 573-594.	3.4	15
30	Migmatites record multiple episodes of crustal anatexis and geochemical differentiation in the Sulu ultrahigh-pressure metamorphic zone, eastern China. <i>Journal of Metamorphic Geology</i> , 2019, 37, 1099-1127.	3.4	15
31	Fe and O isotopes in coesite-bearing jadeite quartzite from the Western Alps record multistage fluid-rock interactions in a continental subduction zone. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 312, 1-24.	3.9	15
32	Relict zircon U-Pb age and O isotope evidence for reworking of Neoproterozoic crustal rocks in the origin of Triassic S-type granites in South China. <i>Lithos</i> , 2018, 300-301, 261-277.	1.4	15
33	Tourmaline boron isotopes trace metasomatism by serpentinite-derived fluid in continental subduction zone. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 320, 122-142.	3.9	15
34	The composition of garnet in granite and pegmatite from the Gangdese orogen in southeastern Tibet: Constraints on pegmatite petrogenesis. <i>American Mineralogist</i> , 2021, 106, 265-281.	1.9	12
35	Geochemical evidence from coesite-bearing jadeite quartzites for large-scale flow of metamorphic fluids in a continental subduction channel. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 265, 354-370.	3.9	10
36	Zircon evidence for the Eoarchean (~3.7 Ga) crustal remnant in the Sulu Orogen, eastern China. <i>Precambrian Research</i> , 2020, 337, 105529.	2.7	10

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37	Origin of peraluminous A-type granites from appropriate sources at moderate to low pressures and high temperatures. <i>Lithos</i> , 2020, 352-353, 105287.	1.4	9
38	Partial melting of subducted continental crust: Geochemical evidence from synexhumation granite in the Sulu orogen. <i>Bulletin of the Geological Society of America</i> , 0, , .	3.3	8
39	Serpentine-derived low $\delta^{7}\text{Li}$ fluids in continental subduction zones: Constraints from the fluid metasomatic rocks (whiteschist) from the Dora-Maira Massif, Western Alps. <i>Lithos</i> , 2019, 348-349, 105177.	1.4	8
40	The effect of crystal fractionation on the geochemical composition of syn-exhumation magmas: Implication for the formation of high $\delta^{56}\text{Fe}$ granites in collisional orogens. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 332, 156-185.	3.9	7
41	Three Types of Mantle Eclogite from Two Layers of Oceanic Crust: A Key Case of Metasomatically-Aided Transformation of Low-to-High-Magnesian Eclogite. <i>Journal of Petrology</i> , 2021, 62, .	2.8	6
42	Precise carbon isotopic ratio analyses of micro amounts of carbonate and non-carbonate in basalt using continuous-flow isotope ratio mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 48-56.	1.5	4
43	Elevation of zircon Hf isotope ratios during crustal anatexis: Evidence from migmatites close to the eastern Himalayan syntaxis in southeastern Tibet. <i>Lithos</i> , 2022, 412-413, 106592.	1.4	2
44	Geochemistry of polygenetic titanite traces metamorphic and anatexis processes during the exhumation of deeply subducted continental crust. <i>Lithos</i> , 2021, 398-399, 106314.	1.4	1