

# Yi Chen

## List of Publications by Year in descending order

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51  
papers

1,745  
citations

304743

22  
h-index

276875

41  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1295  
citing authors

#	ARTICLE	IF	CITATIONS
1	UHT sapphirine granulite metamorphism at 1.93â€“1.92Ga caused by gabbro intrusions: Implications for tectonic evolution of the northern margin of the North China Craton. <i>Precambrian Research</i> , 2012, 222-223, 124-142.	2.7	259
2	Tethyan suturing in Southeast Asia: Zircon U-Pb and Hf-O isotopic constraints from Myanmar ophiolites. <i>Geology</i> , 2016, 44, 311-314.	4.4	171
3	Copper isotopic composition of the silicate Earth. <i>Earth and Planetary Science Letters</i> , 2015, 427, 95-103.	4.4	127
4	Non-KREEP origin for Changâ€™e-5 basalts in the Procellarum KREEP Terrane. <i>Nature</i> , 2021, 600, 59-63.	27.8	124
5	Prograde metamorphism, decompressional partial melting and subsequent melt fractional crystallization in the Weihai migmatitic gneisses, Sulu UHP terrane, eastern China. <i>Chemical Geology</i> , 2013, 341, 16-37.	3.3	73
6	Fluidâ€“rock interaction and element mobilization in UHP metabasalt: Constraints from an omphaciteâ€“epidote vein and host eclogites in the Dabie orogen. <i>Lithos</i> , 2012, 136-139, 145-167.	1.4	68
7	Metamorphic Pâ€“T paths of the Zanhuang metamorphic complex: Implications for the Paleoproterozoic evolution of the Trans-North China Orogen. <i>Precambrian Research</i> , 2014, 255, 216-235.	2.7	60
8	Exhumation of oceanic eclogites: thermodynamic constraints on pressure, temperature, bulk composition and density. <i>Journal of Metamorphic Geology</i> , 2013, 31, 549-570.	3.4	56
9	Petrology and geochemistry of mantle peridotites from the Kalaymyo and Myitkyina ophiolites (Myanmar): Implications for tectonic settings. <i>Lithos</i> , 2016, 264, 495-508.	1.4	56
10	Improving geochronological framework of the Pan-African orogeny in Cameroon: New SIMS zircon and monazite U-Pb age constraints. <i>Precambrian Research</i> , 2017, 294, 307-321.	2.7	51
11	Multistage metamorphism of orogenic garnetâ€“hercynite from Zhimafang, Sulu UHP terrane, E. China: Implications for mantle wedge convection during progressive oceanic and continental subduction. <i>Lithos</i> , 2009, 109, 155-175.	1.4	49
12	Scheelite and coexisting F-rich zoned garnet, vesuvianite, fluorite, and apatite in calc-silicate rocks from the Mogok metamorphic belt, Myanmar: Implications for metasomatism in marble and the role of halogens in W mobilization and mineralization. <i>Journal of Asian Earth Sciences</i> , 2016, 117, 82-106.	2.3	46
13	New isotopic constraints on age and origin of Mesoarchean charnockite, trondhjemite and amphibolite in the Ntem Complex of NW Congo Craton, southern Cameroon. <i>Precambrian Research</i> , 2016, 276, 14-23.	2.7	43
14	A NORMALIZATION SOLUTION TO MASS TRANSFER ILLUSTRATION OF MULTIPLE PROGRESSIVELY ALTERED SAMPLES USING THE ISOCON DIAGRAM. <i>Economic Geology</i> , 2009, 104, 881-886.	3.8	40
15	The Dabie-Sulu orogenic peridotites: Progress and key issues. <i>Science China Earth Sciences</i> , 2015, 58, 1679-1699.	5.2	36
16	Formation of multiple high-pressure veins in ultrahigh-pressure eclogite (Hualiangting, Dabie terrane, China). <i>Journal of Metamorphic Geology</i> , 2015, 417, 238-260.	3.3	33
17	Origins of orogenic dunites: Petrology, geochemistry, and implications. <i>Gondwana Research</i> , 2016, 29, 41-59.	6.0	30
18	A potential method to confirm the previous existence of lawsonite in eclogite: the mass imbalance of Sr and LREEs in multistage epidote (Ganghe, Dabie UHP). <i>Journal of Metamorphic Geology</i> , 2019, 37, 1-12.	1.4	29

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19	Unusual replacement of Fe-Ti oxides by rutile during retrogression in amphibolite-hosted veins (Dabie) Tj ETQq1 1 0.784314 rgBT /Overlook American Mineralogist, 2017, 102, 2268-2283.	1.9	29
20	In situ Sr isotopic analyses of epidote: tracing the sources of multi-stage fluids in ultrahigh-pressure eclogite (Ganghe, Dabie terrane). Contributions To Mineralogy and Petrology, 2014, 167, 1.	3.1	24
21	Petrogenesis and tectonic implications of gabbro and plagiogranite intrusions in mantle peridotites of the Myitkyina ophiolite, Myanmar. Lithos, 2017, 284-285, 180-193.	1.4	24
22	UHP impure marbles from the Dabie Mountains: Metamorphic evolution and carbon cycling in continental subduction zones. Lithos, 2015, 212-215, 280-297.	1.4	23
23	Minor elements in olivine inspect the petrogenesis of orogenic peridotites. Lithos, 2019, 344-345, 207-216.	1.4	23
24	Hydration and dehydration in the lower margin of a cold mantle wedge: implications for crust-mantle interactions and petrogeneses of arc magmas. International Geology Review, 2013, 55, 1506-1522.	2.1	22
25	Multistage metamorphism of garnet orthopyroxenites from the Maowu mafic-ultramafic complex, Dabieshan UHP terrane, eastern China. International Geology Review, 2013, 55, 1239-1260.	2.1	22
26	Carbonatitic metasomatism in orogenic dunites from Lijiatun in the Sulu UHP terrane, eastern China. Lithos, 2016, 262, 266-284.	1.4	21
27	Modification of an ancient subcontinental lithospheric mantle by continental subduction: Insight from the Maowu garnet peridotites in the Dabie UHP belt, eastern China. Lithos, 2017, 278-281, 54-71.	1.4	20
28	Magnesium Isotope Composition of Subduction Zone Fluids as Constrained by Jadeitites From Myanmar. Journal of Geophysical Research: Solid Earth, 2018, 123, 7566-7585.	3.4	19
29	Metasomatic flow of metacarbonate-derived fluids carrying isotopically heavy boron in continental subduction zones: Insights from tourmaline-bearing ultra-high pressure eclogites and veins (Dabie) Tj ETQq1 1 0.784314 rgBT /Overlook	3.4	19
30	Earth's one-of-a-kind fault: The Tanlu fault. Terra Nova, 2022, 34, 381-394.	2.1	15
31	Magmatic chlorine isotope fractionation recorded in apatite from Chang'e-5 basalts. Earth and Planetary Science Letters, 2022, 591, 117636.	4.4	14
32	Grain-scale Sr isotope heterogeneity in amphibolite (retrograded UHP eclogite, Dabie terrane): Implications for the origin and flow behavior of retrograde fluids during slab exhumation. Lithos, 2016, 266-267, 383-405.	1.4	13
33	Multiple Episodes of Fluid Infiltration Along a Single Metasomatic Channel in Metacarbonates (Mogok) Tj ETQq1 1 0.784314 rgBT /Overlook of Geophysical Research: Solid Earth, 2021, 126, .	3.4	13
34	Titanium in olivine reveals low-Ti origin of the Chang'E-5 lunar basalts. Lithos, 2022, 414-415, 106639.	1.4	12
35	Garnetite and Pyroxenite in the Mantle Wedge Formed by Slab-Mantle Interactions at Different Melt/Rock Ratios. Journal of Geophysical Research: Solid Earth, 2019, 124, 6504-6522.	3.4	11
36	Metamorphic P-T trajectory and multi-stage fluid events of vein-bearing UHP eclogites from the Dabie terrane: insights from compositional zonations of key minerals. International Geology Review, 2015, 57, 1077-1102.	2.1	9

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37	Cenozoic ultrahigh-temperature metamorphism in pelitic granulites from the Mogok metamorphic belt, Myanmar. <i>Science China Earth Sciences</i> , 2021, 64, 1873-1892.	5.2	9
38	Carboniferous eclogite and garnet-omphacite granulite from northeastern Hainan Island, South China: Implications for the evolution of the eastern Palaeo-Tethys. <i>Journal of Metamorphic Geology</i> , 2021, 39, 101-132.	3.4	8
39	Making Cratonic Lithospheric Mantle. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 7688-7706.	3.4	7
40	Lithospheric mantle, asthenosphere, slab and crustal contribution to petrogenesis of Eocene to Miocene volcanic rocks from the west Alborz Magmatic Assemblage, SE Ahar, Iran. <i>Geological Magazine</i> , 2021, 158, 375-406.	1.5	7
41	Dolomite dissociation indicates ultra-deep (>150 km) subduction of a garnet-bearing dunite block (the Sulu UHP terrane). <i>American Mineralogist</i> , 2017, 102, 2295-2306.	1.9	6
42	~25 Ma Ruby Mineralization in the Mogok Stone Tract, Myanmar: New Evidence from SIMS U-Pb Dating of Coexisting Titanite. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 536.	2.0	5
43	Silicon isotope composition of subduction zone fluids as recorded by jadeitites from Myanmar. <i>Contributions To Mineralogy and Petrology</i> , 2020, 175, 1.	3.1	4
44	Petrology and geochemistry of ultramafic rocks in the Mogok belt, Myanmar: Cumulates from high-pressure crystallization of hydrous arc melts. <i>Geological Journal</i> , 2022, 57, 886-905.	1.3	3
45	MK-1 Orthopyroxene: A New Potential Reference Material for In-Situ Microanalysis. <i>Minerals (Basel)</i> , 2021, 11, 1078-1091.	2.0	3
46	Two Contrasting Exhumation Scenarios of Deeply Subducted Continental Crust in North Pakistan. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	2.5	3
47	High-pressure metamorphism of the Mogok belt, Myanmar: Evidence from garnet and omphacite. <i>Chinese Science Bulletin</i> , 2013, 58, 2294-2299.	0.7	2
48	Boron release and transfer induced by phengite breakdown in subducted impure metacarbonates. <i>Lithos</i> , 2022, 408-409, 106548.	1.4	2
49	Sodium in olivine as a potential pressure indicator for orogenic dunite. <i>Science Bulletin</i> , 2020, 65, 94-96.	9.0	1
50	Evolution of fluids and melts in deeply subducted continental crust: Insights from an UHP eclogite-vein system in the Dabie terrane, China. <i>Lithos</i> , 2021, 398-399, 106325.	1.4	1
51	Thermodynamic constraints on the composition of orogenically thickened lower crust. <i>Journal of Metamorphic Geology</i> , 0, , .	3.4	0