Jun Gao

List of Publications by Year in descending order

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37 papers	2,853 citations	257450 24 h-index	345221 36 g-index
37 all docs	37 docs citations	37 times ranked	1284 citing authors

#	Article	IF	Citations
1	Tectonic evolution of the South Tianshan orogen and adjacent regions, NW China: geochemical and age constraints of granitoid rocks. International Journal of Earth Sciences, 2009, 98, 1221-1238.	1.8	509
2	Geochemical and geochronological studies of granitoid rocks from the Western Tianshan Orogen: Implications for continental growth in the southwestern Central Asian Orogenic Belt. Lithos, 2011, 126, 321-340.	1.4	259
3	The collision between the Yili and Tarim blocks of the Southwestern Altaids: Geochemical and age constraints of a leucogranite dike crosscutting the HPâ€“LT metamorphic belt in the Chinese Tianshan Orogen. Tectonophysics, 2011, 499, 118-131.	2.2	245
4	UPb zircon geochronology of Tianshan eclogites in NW China: implication for the collision between the Yili and Tarim blocks of the southwestern Altaids. European Journal of Mineralogy, 2010, 22, 473-478.	1.3	185
5	Early Paleozoic tectonic evolution of the Chinese South Tianshan Orogen: constraints from SHRIMP zircon Uâ€“Pb geochronology and geochemistry of basaltic and dioritic rocks from Xiate, NW China. International Journal of Earth Sciences, 2009, 98, 551-569.	1.8	180
6	Primary fluids entrapped at blueschist to eclogite transition: evidence from the Tianshan meta-subduction complex in northwestern China. Contributions To Mineralogy and Petrology, 2001, 142, 1-14.	3.1	158
7	Paleozoic ophiolitic mÃ©langes from the South Tianshan Orogen, NW China: Geological, geochemical and geochronological implications for the geodynamic setting. Tectonophysics, 2014, 612-613, 106-127.	2.2	146
8	Large-scale porphyry-type mineralization in the Central Asian metallogenic domain: A review. Journal of Asian Earth Sciences, 2018, 165, 7-36.	2.3	115
9	Metamorphic evolution of (ultra)-high-pressure subduction-related transient crust in the South Tianshan Orogen (Central Asian Orogenic Belt): Geodynamic implications. Gondwana Research, 2015, 28, 1-25.	6.0	114
10	Nbâ€“Ta fractionation by partial melting at the titaniteâ€“rutile transition. Contributions To Mineralogy and Petrology, 2011, 161, 35-45.	3.1	104
11	Record of assembly and breakup of Rodinia in the Southwestern Altaids: Evidence from Neoproterozoic magmatism in the Chinese Western Tianshan Orogen. Journal of Asian Earth Sciences, 2015, 113, 173-193.	2.3	95
12	Uncovering and quantifying the subduction zone sulfur cycle from the slab perspective. Nature Communications, 2020, 11, 514.	12.8	69
13	Geochemistry and geochronology of the Precambrian high-grade metamorphic complex in the Southern Central Tianshan ophiolitic mÃ©lange, NW China. Precambrian Research, 2014, 254, 129-148.	2.7	65
14	The Central Tianshan Block: A microcontinent with a Neoarchean-Paleoproterozoic basement in the southwestern Central Asian Orogenic Belt. Precambrian Research, 2017, 295, 130-150.	2.7	63
15	Compositional zoning in dolomite from lawsonite-bearing eclogite (SW Tianshan, China): Evidence for prograde metamorphism during subduction of oceanic crust. American Mineralogist, 2014, 99, 206-217.	1.9	54
16	Early Neoproterozoic multiple arcâ€“back-arc system formation during subductionâ€“accretion processes between the Yangtze and Cathaysia blocks: New constraints from the supra-subduction zone NE Jiangxi ophiolite (South China). Lithos, 2015, 236-237, 90-105.	1.4	54
17	Final Assembly of the Southwestern Central Asian Orogenic Belt as Constrained by the Evolution of the South Tianshan Orogen: Links With Gondwana and Pangea. Journal of Geophysical Research: Solid Earth, 2018, 123, 7361-7388.	3.4	53
18	A slab break-off model for the submarine volcanic-hosted iron mineralization in the Chinese Western Tianshan: Insights from Paleozoic subduction-related to post-collisional magmatism. Ore Geology Reviews, 2018, 92, 144-160.	2.7	45

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19	Pâ€“Tâ€“time-isotopic evolution of coesite-bearing eclogites: Implications for exhumation processes in SW Tianshan. Lithos, 2017, 278-281, 1-25.	1.4	43
20	Architecture and P-T-deformation-time evolution of the Chinese SW-Tianshan HP/UHP complex: Implications for subduction dynamics. Earth-Science Reviews, 2019, 197, 102894.	9.1	40
21	A subduction channel model for exhumation of oceanic-type high-pressure to ultrahigh-pressure eclogite-facies metamorphic rocks in SW Tianshan, China. Science China Earth Sciences, 2016, 59, 2339-2354.	5.2	39
22	Massive sediment accretion at âˆ¼80 km depth along the subduction interface: Evidence from the southern Chinese Tianshan. Geology, 2018, 46, 495-498.	4.4	39
23	Contrasting ore styles and their role in understanding the evolution of the Altaids. Ore Geology Reviews, 2017, 80, 910-922.	2.7	35
24	Redox processes in subducting oceanic crust recorded by sulfide-bearing high-pressure rocks and veins (SW Tianshan, China). Contributions To Mineralogy and Petrology, 2016, 171, 1.	3.1	34
25	Genetically and geochronologically contrasting plagiogranites in South Central Tianshan ophiolitic mÃ©lange: Implications for the breakup of Rodinia and subduction zone processes. Journal of Asian Earth Sciences, 2015, 113, 266-281.	2.3	23
26	OH in zoned amphiboles of eclogite from the western Tianshan, NW-China. International Journal of Earth Sciences, 2009, 98, 1299-1309.	1.8	15
27	Early Devonian tectonic conversion from contraction to extension in the Chinese Western Tianshan: A response to slab rollback. Bulletin of the Geological Society of America, 2021, 133, 1613-1633.	3.3	12
28	Three episodes of Precambrian mafic magmatism in the southern Central Tianshan Block (NW China): Insight into an evolving geodynamic model. Precambrian Research, 2020, 351, 105961.	2.7	10
29	Unravelling slab Î´34S compositions from in-situ sulphide Î´34S studies of high-pressure metamorphic rocks. International Geology Review, 2021, 63, 109-129.	2.1	10
30	Preservation of Reâ€Os isotope signatures in pyrite throughout lowâ€T, highâ€P eclogite facies metamorphism. Terra Nova, 2014, 26, 402-407.	2.1	9
31	Pâ€“Tâ€“time (phengite Ar closure) history of spatially close-outcroppingÂHP and UHP oceanic eclogites (southwestern Tianshan): implication for a potential deep juxtaposing process during exhumation?. International Geology Review, 2019, 61, 1270-1293.	2.1	8
32	Rutile in HP Rocks from the Western Tianshan, China: Mineralogy and Its Economic Implications. Journal of Earth Science (Wuhan, China), 2018, 29, 1049-1059.	3.2	7
33	Paleozoic Subductionâ€Accretion in the Southern Central Asian Orogenic Belt: Insights From the Wuwamen Accretionary Complex of the Chinese South Tianshan. Tectonics, 2022, 41, .	2.8	7
34	Petrogenesis and Geodynamic Implications of Late Jurassic Diorite Porphyry in the Neoproterozoic Ophiolitic MÃ©lange of NE Jiangxi (South China). Acta Geologica Sinica, 2018, 92, 1008-1023.	1.4	6
35	Late Palaeozoic magmatism in the eastern Tseel Terrane of <scp>SW</scp> Mongolia evidenced by chronological and geochemical data. Geological Journal, 2021, 56, 3415-3447.	1.3	2
36	Origin of the deep fluids in the paleosubduction zones in western Tianshan: Evidence from Pb- and Sr-isotope compositions of high-pressure veins and host rocks. Science in China Series D: Earth Sciences, 2005, 48, 1627-1636.	0.9	1

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37	The Implications of HClO4 for Dissolving Large Masses of Low Level Os in Metal Sulfides and Factors that Influence Re-Os Dating. Applied Sciences (Switzerland), 2020, 10, 6218.	2.5	0