

Jian-Feng Gao

List of Publications by Year in descending order

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106
papers

4,915
citations

76196

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112
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112
docs citations

112
times ranked

2316
citing authors

#	ARTICLE	IF	CITATIONS
1	Late Paleoproterozoic to early Mesoproterozoic Dongchuan Group in Yunnan, SW China: Implications for tectonic evolution of the Yangtze Block. <i>Precambrian Research</i> , 2010, 182, 57-69.	1.2	325
2	Detrital zircon U-Pb geochronological and Lu-Hf isotopic constraints on the Precambrian magmatic and crustal evolution of the western Yangtze Block, SW China. <i>Precambrian Research</i> , 2009, 172, 99-126.	1.2	309
3	OIB-like, heterogeneous mantle sources of Permian basaltic magmatism in the western Tarim Basin, NW China: Implications for a possible Permian large igneous province. <i>Lithos</i> , 2009, 113, 583-594.	0.6	249
4	Compositions of chromite, associated minerals, and parental magmas of podiform chromite deposits: The role of slab contamination of asthenospheric melts in suprasubduction zone environments. <i>Gondwana Research</i> , 2014, 26, 262-283.	3.0	228
5	Geochemistry of the Meso- to Neoproterozoic basic-acid rocks from Hunan Province, South China: implications for the evolution of the western Jiangnan orogen. <i>Precambrian Research</i> , 2004, 135, 79-103.	1.2	191
6	Genetic types, mineralization styles, and geodynamic settings of Mesozoic tungsten deposits in South China. <i>Journal of Asian Earth Sciences</i> , 2017, 137, 109-140.	1.0	146
7	Geochemistry of Meso- and Neoproterozoic mafic-ultramafic rocks from northern Guangxi, China: Arc or plume magmatism?. <i>Geochemical Journal</i> , 2004, 38, 139-152.	0.5	140
8	Constraints of in situ zircon and cassiterite U-Pb, molybdenite Re-Os and muscovite ^{40}Ar - ^{39}Ar ages on multiple generations of granitic magmatism and related W-Sn mineralization in the Wangxianling area, Nanling Range, South China. <i>Ore Geology Reviews</i> , 2015, 65, 1021-1042.	1.1	132
9	Sulfide Saturation and Magma Emplacement in the Formation of the Permian Huangshandong Ni-Cu Sulfide Deposit, Xinjiang, Northwestern China. <i>Economic Geology</i> , 2013, 108, 1833-1848.	1.8	127
10	Permian alkaline granites in the Erenhot-Hogenshan belt, northern Inner Mongolia, China: Model of generation, time of emplacement and regional tectonic significance. <i>Journal of Asian Earth Sciences</i> , 2015, 97, 320-336.	1.0	116
11	In-situ LA-ICP-MS trace elemental analyses of magnetite: Fe-Ti(V) oxide-bearing mafic-ultramafic layered intrusions of the Emeishan Large Igneous Province, SW China. <i>Ore Geology Reviews</i> , 2015, 65, 853-871.	1.1	90
12	An improved Carius tube technique for determination of low concentrations of Re and Os in pyrites. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 585.	1.6	85
13	Post-accretionary permian granitoids in the Chinese Altai orogen: Geochronology, petrogenesis and tectonic implications. <i>Numerische Mathematik</i> , 2014, 314, 80-109.	0.7	83
14	Re-Os isotopic ages of pyrite and chemical composition of magnetite from the Cihai magmatic-hydrothermal Fe deposit, NW China. <i>Mineralium Deposita</i> , 2013, 48, 925-946.	1.7	74
15	First Reliable ^{87}Rb - ^{87}Sr Ages of Pyrite and Stable Isotope Compositions of Fe-Cu Deposits in the Hami Region, Eastern Tianshan Orogenic Belt, NW China. <i>Resource Geology</i> , 2013, 63, 166-187.	0.3	74
16	Origin of PGE-Poor and Cu-Rich Magmatic Sulfides from the Kalatongke Deposit, Xinjiang, Northwest China. <i>Economic Geology</i> , 2012, 107, 481-506.	1.8	72
17	In-situ LA-ICP-MS trace elemental analyses of magnetite: Cu-(Au, Fe) deposits in the Khetri copper belt in Rajasthan Province, NW India. <i>Ore Geology Reviews</i> , 2015, 65, 929-939.	1.1	70
18	Generation and evolution of siliceous high magnesium basaltic magmas in the formation of the Permian Huangshandong intrusion (Xinjiang, NW China). <i>Lithos</i> , 2013, 162-163, 128-139.	0.6	69

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19	An improved digestion technique for determination of platinum group elements in geological samples. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 1900.	1.6	66
20	Petrogenesis of the Archean tonalite-trondhjemite-granodiorite (TTG) and granites in the Lushan area, southern margin of the North China Craton: Implications for crustal accretion and transformation. <i>Precambrian Research</i> , 2014, 255, 514-537.	1.2	66
21	In-situ LA-ICP-MS trace elemental analyses of magnetite: The late Palaeoproterozoic Sokoman Iron Formation in the Labrador Trough, Canada. <i>Ore Geology Reviews</i> , 2015, 65, 917-928.	1.1	66
22	Constraints of detrital zircon U-Pb ages and Hf isotopes on the provenance of the Triassic Yidun Group and tectonic evolution of the Yidun Terrane, Eastern Tibet. <i>Sedimentary Geology</i> , 2013, 289, 74-98.	1.0	64
23	Age and composition of granulite and pyroxenite xenoliths in Hannuoba basalts reflect Paleogene underplating beneath the North China Craton. <i>Chemical Geology</i> , 2009, 264, 266-280.	1.4	63
24	In-situ LA-ICP-MS trace elemental analyses of magnetite and Re-Os dating of pyrite: The Tianhu hydrothermally remobilized sedimentary Fe deposit, NW China. <i>Ore Geology Reviews</i> , 2015, 65, 900-916.	1.1	63
25	Petrogenesis and tectonic implications of the Triassic volcanic rocks in the northern Yidun Terrane, Eastern Tibet. <i>Lithos</i> , 2013, 175-176, 285-301.	0.6	62
26	In-situ elemental and isotopic compositions of apatite and zircon from the Shuikoushan and Xihuashan granitic plutons: Implication for Jurassic granitoid-related Cu-Pb-Zn and W mineralization in the Nanling Range, South China. <i>Ore Geology Reviews</i> , 2018, 93, 382-403.	1.1	60
27	In-situ LA-ICP-MS trace element analyses of scheelite and wolframite: Constraints on the genesis of veinlet-disseminated and vein-type tungsten deposits, South China. <i>Ore Geology Reviews</i> , 2018, 99, 166-179.	1.1	59
28	The Early Jurassic tectono-magmatic events in southern Jiangxi and northern Guangdong provinces, SE China: Constraints from the SHRIMP zircon U-Pb dating. <i>Journal of Asian Earth Sciences</i> , 2010, 39, 408-422.	1.0	58
29	Crustal evolution of the Eastern Block in the North China Craton: Constraints from zircon U-Pb geochronology and Lu-Hf isotopes of the Northern Liaoning Complex. <i>Precambrian Research</i> , 2016, 275, 35-47.	1.2	58
30	Heterogeneous mantle source and magma differentiation of quaternary arc-like volcanic rocks from Tengchong, SE margin of the Tibetan Plateau. <i>Contributions To Mineralogy and Petrology</i> , 2012, 163, 841-860.	1.2	56
31	Geochemistry of magnetite from Proterozoic Fe-Cu deposits in the Kangdian metallogenic province, SW China. <i>Mineralium Deposita</i> , 2015, 50, 795-809.	1.7	55
32	Partitioning of the Cretaceous Pan-Yangtze Basin in the central South China Block by exhumation of the Xuefeng Mountains during a transition from extensional to compressional tectonics?. <i>Gondwana Research</i> , 2014, 25, 1644-1659.	3.0	49
33	Mineralogical constraints on the genesis of W-Nb-Ta mineralization in the Laiziling granite (Xianghualing district, south China). <i>Ore Geology Reviews</i> , 2018, 95, 695-712.	1.1	48
34	Magma mixing in the genesis of the Kalatongke dioritic intrusion: Implications for the tectonic switch from subduction to post-collision, Chinese Altay, NW China. <i>Lithos</i> , 2013, 162-163, 236-250.	0.6	47
35	In situ Sr isotope analysis of apatite by LA-MC-ICPMS: constraints on the evolution of ore fluids of the Yinachang Fe-Cu-REE deposit, Southwest China. <i>Mineralium Deposita</i> , 2015, 50, 871-884.	1.7	47
36	Fractionation characteristics of rare earth elements (REEs) linked with secondary Fe, Mn, and Al minerals in soils. <i>Acta Geochimica</i> , 2016, 35, 329-339.	0.7	45

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37	Neoproterozoic chromite-bearing high-Mg diorites in the western part of the Jiangnan orogen, southern China: Geochemistry, petrogenesis and tectonic implications. <i>Lithos</i> , 2014, 200-201, 35-48.	0.6	44
38	Geochemistry and Si ³ O ⁴ -Fe isotope constraints on the origin of banded iron formations of the Yuanjiaocun Formation, Liliang Group, Shanxi, China. <i>Ore Geology Reviews</i> , 2014, 57, 288-298.	1.1	43
39	Origin of the Muguayuan veinlet-disseminated tungsten deposit, South China: Constraints from in-situ trace element analyses of scheelite. <i>Ore Geology Reviews</i> , 2018, 99, 180-194.	1.1	43
40	Open magma chamber processes in the formation of the Permian Baima mafic-ultramafic layered intrusion, SW China. <i>Lithos</i> , 2014, 184-187, 194-208.	0.6	42
41	In-situ LA-ICP-MS trace elements analysis of magnetite: The Fenghuangshan Cu-Fe-Au deposit, Tongling, Eastern China. <i>Ore Geology Reviews</i> , 2016, 72, 746-759.	1.1	39
42	Zircon Alteration as a Proxy for Rare Earth Element Mineralization Processes in Carbonatite-Nordmarkite Complexes of the Mianning-Dechang Rare Earth Element Belt, China. <i>Economic Geology</i> , 2019, 114, 719-744.	1.8	39
43	LA-ICP-MS U-Pb geochronology of wolframite by combining NIST series and common lead-bearing MTM as the primary reference material: Implications for metallogenesis of South China. <i>Gondwana Research</i> , 2020, 83, 217-231.	3.0	39
44	Chalcophile elemental compositions and origin of the Tuwu porphyry Cu deposit, NW China. <i>Ore Geology Reviews</i> , 2015, 66, 403-421.	1.1	37
45	The Pengguan tectonic dome of Longmen Mountains, Sichuan Province: Mesozoic denudation of a Neoproterozoic magmatic arc-basin system. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 1545-1559.	0.9	36
46	Origin of the volcanic-hosted Yamansu Fe deposit, Eastern Tianshan, NW China: constraints from pyrite Re-Os isotopes, stable isotopes, and in situ magnetite trace elements. <i>Mineralium Deposita</i> , 2018, 53, 1039-1060.	1.7	36
47	High water contents of magmas and extensive fluid exsolution during the formation of the Yulong porphyry Cu-Mo deposit, eastern Tibet. <i>Journal of Asian Earth Sciences</i> , 2019, 176, 168-183.	1.0	36
48	Platinum-group elements, zircon Hf-O isotopes, and mineralogical constraints on magmatic evolution of the Pulang porphyry Cu-Au system, SW China. <i>Gondwana Research</i> , 2018, 62, 163-177.	3.0	34
49	The role of hydrothermal alteration in tungsten mineralization at the Dahutang tungsten deposit, South China. <i>Ore Geology Reviews</i> , 2018, 95, 1008-1027.	1.1	33
50	Early Precambrian tectonothermal events of the North China Craton: Constraints from in situ detrital zircon U-Pb, Hf and O isotopic compositions in Tietonggou Formation. <i>Science Bulletin</i> , 2013, 58, 3760-3770.	1.7	32
51	Introduction to the special issue of Mesozoic W-Sn deposits in South China. <i>Ore Geology Reviews</i> , 2018, 101, 432-436.	1.1	32
52	Petrogenesis of the 2.1Ga Lushan garnet-bearing quartz monzonite on the southern margin of the North China Craton and its tectonic implications. <i>Precambrian Research</i> , 2015, 256, 241-255.	1.2	31
53	Magma mixing recorded by Sr isotopes of plagioclase from dacites of the Quaternary Tengchong volcanic field, SE Tibetan Plateau. <i>Journal of Asian Earth Sciences</i> , 2015, 98, 1-17.	1.0	31
54	The Design of Reusable Carius Tubes for the Determination of Rhenium, Osmium and Platinum-Group Elements in Geological Samples. <i>Geostandards and Geoanalytical Research</i> , 2013, 37, 345-351.	1.7	29

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55	In situ low-U garnet U-Pb dating by LA-SF-ICP-MS and its application in constraining the origin of Anji skarn system combined with Ar-Ar dating and Pb isotopes. <i>Ore Geology Reviews</i> , 2021, 130, 103970.	1.1	29
56	Constraints of Sr isotopic compositions of apatite and carbonates on the origin of Fe and Cu mineralizing fluids in the Lala Fe-Cu-(Mo, LREE) deposit, SW China. <i>Ore Geology Reviews</i> , 2014, 61, 96-106.	1.1	28
57	Neoproterozoic granitoids from the Phan Si Pan belt, Northwest Vietnam: Implication for the tectonic linkage between Northwest Vietnam and the Yangtze Block. <i>Precambrian Research</i> , 2018, 309, 212-230.	1.2	27
58	Mercury isotope constraints on the source for sediment-hosted lead-zinc deposits in the Changdu area, southwestern China. <i>Mineralium Deposita</i> , 2018, 53, 339-352.	1.7	27
59	The origin of the carbonate-hosted Huize Zn-Pb-Ag deposit, Yunnan province, SW China: constraints from the trace element and sulfur isotopic compositions of pyrite. <i>Mineralogy and Petrology</i> , 2019, 113, 369-391.	0.4	25
60	Comment on "Neoproterozoic granitoids in South China: crustal melting above a mantle plume at ca. 825Ma" by Xian-Hua Li et al. [<i>Precambrian Res.</i> 122 (2003) 45-83]. <i>Precambrian Research</i> , 2004, 132, 401-403.	1.2	24
61	Timing and genesis of Cu-Au mineralization in the Khetri Copper Belt, northwestern India: constraints from in situ U-Pb ages and Sm-Nd isotopes of monazite-(Ce). <i>Mineralium Deposita</i> , 2019, 54, 553-568.	1.7	23
62	Re-Os dating of galena and sphalerite from lead-zinc sulfide deposits in Yunnan Province, SW China. <i>Journal of Earth Science (Wuhan, China)</i> , 2015, 26, 343-351.	1.1	22
63	Oscillatory Sr isotopic signature in plagioclase megacrysts from the Damiao anorthosite complex, North China: Implication for petrogenesis of massif-type anorthosite. <i>Chemical Geology</i> , 2015, 393-394, 1-15.	1.4	22
64	Disturbance of the Sm-Nd isotopic system by metasomatic alteration: A case study of fluorapatite from the Sin Quyen Cu-LREE-Au deposit, Vietnam. <i>American Mineralogist</i> , 2018, 103, 1487-1496.	0.9	22
65	Multistage Evolution of the Neoproterozoic (ca. 2.7 Ga) IgarapÃ© Cinzento (GT-46) Iron Oxide Copper-Gold Deposit, Cinzento Shear Zone, CarajÃs Province, Brazil. <i>Economic Geology</i> , 2019, 114, 1-34.	1.8	22
66	Geochemistry, in-situ Sr-Nd-Hf-O isotopes, and mineralogical constraints on origin and magmatic-hydrothermal evolution of the Yulong porphyry Cu Mo deposit, Eastern Tibet. <i>Gondwana Research</i> , 2019, 76, 98-114.	3.0	19
67	Rare Earth Element and Trace Element Features of Gold-bearing Pyrite in the Jinshan Gold Deposit, Jiangxi Province. <i>Acta Geologica Sinica</i> , 2010, 84, 614-623.	0.8	18
68	Heterogeneous Os isotope compositions in the Kalatongke sulfide deposit, NW China: the role of crustal contamination. <i>Mineralium Deposita</i> , 2012, 47, 731-738.	1.7	18
69	Magmatic evolution and W-Sn-U-Nb-Ta mineralization of the Mesozoic Jiulongnao granitic complex, Nanling Range, South China. <i>Ore Geology Reviews</i> , 2018, 94, 414-434.	1.1	18
70	Hydrothermal Alteration, Fluid Evolution, and Re-Os Geochronology of the Grota Funda Iron Oxide Copper-Gold Deposit, CarajÃs Province (ParÃ State), Brazil. <i>Economic Geology</i> , 2018, 113, 1769-1794.	1.8	18
71	Revisiting platinum group elements of Late Permian coals from western Guizhou Province, SW China. <i>International Journal of Coal Geology</i> , 2008, 75, 189-193.	1.9	15
72	Sulfur and lead isotopic variations in the giant Yulong porphyry Cu (Mo Au) deposit from the eastern Tibetan Plateau: Implications for origins of S and Pb, and metal precipitation. <i>Journal of Geochemical Exploration</i> , 2019, 197, 70-83.	1.5	15

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73	Tectonic Evolution and Paleoposition of the Baoshan and Lincang Blocks of West Yunnan During the Paleozoic. <i>Tectonics</i> , 2020, 39, e2019TC006028.	1.3	15
74	Evidence of metasomatism in the interior of Vesta. <i>Nature Communications</i> , 2020, 11, 1289.	5.8	15
75	The relationship between stratabound Pb–Zn–Ag and porphyry–skarn Mo mineralization in the Laochang deposit, southwestern China: Constraints from pyrite Re–Os isotope, sulfur isotope, and trace element data. <i>Journal of Geochemical Exploration</i> , 2018, 194, 218–238.	1.5	14
76	Compression-extension transition of continental crust in a subduction zone: A parametric numerical modeling study with implications on Mesozoic–Cenozoic tectonic evolution of the Cathaysia Block. <i>PLoS ONE</i> , 2017, 12, e0171536.	1.1	13
77	Two-tiered magmatic-hydrothermal and skarn origin of magnetite from Gol-Gohar iron ore deposit of SE Iran: In-situ LA–ICP–MS analyses. <i>Ore Geology Reviews</i> , 2018, 102, 639–653.	1.1	13
78	Origin and evolution of ore-forming fluids in a tungsten mineralization system, Middle Jiangnan orogenic belt, South China: Constraints from in-situ LA–ICP–MS analyses of scheelite. <i>Ore Geology Reviews</i> , 2020, 127, 103806.	1.1	13
79	Two reliable calibration methods for accurate <i>in situ</i> U–Pb dating of scheelite. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 358–368.	1.6	13
80	Evaluation of sample dissolution method for Sm–Nd isotopic analysis of scheelite. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 509.	1.6	12
81	Origin and implications of troilite-orthopyroxene intergrowths in the brecciated diogenite Northwest Africa 7183. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 220, 125–145.	1.6	12
82	Cenozoic basalts in SE China: Chalcophile element geochemistry, sulfide saturation history, and source heterogeneity. <i>Lithos</i> , 2017, 282–283, 215–227.	0.6	11
83	Germanium in Magnetite: A Preliminary Review. <i>Acta Geologica Sinica</i> , 2017, 91, 711–726.	0.8	10
84	The role of early sulfide saturation in the formation of the Yulong porphyry Cu–Mo deposit: Evidence from mineralogy of sulfide melt inclusions and platinum-group element geochemistry. <i>Ore Geology Reviews</i> , 2020, 124, 103644.	1.1	9
85	Trace and minor elements in sulfides from the Lengshuikeng Ag–Pb–Zn deposit, South China: A LA–ICP–MS study. <i>Ore Geology Reviews</i> , 2022, 141, 104663.	1.1	9
86	Platinum-group element geochemistry of intraplate basalts from the Aleppo Plateau, NW Syria. <i>Geological Magazine</i> , 2013, 150, 497–508.	0.9	8
87	Trace element composition of magnetite from the Xinqiao Fe–S(Cu–Au) deposit, Tongling, Eastern China: constraints on fluid evolution and ore genesis. <i>Acta Geochimica</i> , 2018, 37, 639–654.	0.7	8
88	In situ Pb–Pb isotopic dating of sulfides from hydrothermal deposits: a case study of the Lala Fe–Cu deposit, SW China. <i>Mineralium Deposita</i> , 2019, 54, 671–682.	1.7	8
89	In situ LA–ICP–MS analyses of mica and wolframite from the Maoping tungsten deposit, southern Jiangxi, China. <i>Acta Geochimica</i> , 2020, 39, 811–829.	0.7	8
90	In situ LA ICP–MS analysis of trace elements in scheelite from the Xuefeng Uplift Belt, South China and its metallogenic implications. <i>Ore Geology Reviews</i> , 2021, 133, 104097.	1.1	8

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91	Episodic Archean crustal accretion in the North China Craton: Insights from integrated zircon U-Pb-Hf-O isotopes of the Southern Jilin Complex, northeast China. <i>Precambrian Research</i> , 2021, 358, 106150.	1.2	8
92	Re-Os isotopic and platinum group elemental constraints on the genesis of the Xiadong ophiolitic complex, Eastern Xinjiang, NW China. <i>Gondwana Research</i> , 2015, 27, 629-648.	3.0	6
93	Constraints of molybdenite Re-Os and scheelite Sm-Nd ages on mineralization time of the Kukaazi Pb-Zn-Cu-W deposit, Western Kunlun, NW China. <i>Acta Geochimica</i> , 2018, 37, 47-59.	0.7	6
94	Trace element characteristics of magnetite: Constraints on the genesis of the Lengshuikeng Ag-Pb-Zn deposit, China. <i>Ore Geology Reviews</i> , 2021, 129, 103943.	1.1	6
95	Magma evolution leading to veinlet-disseminated tungsten mineralization at the Muguayuan deposit: In-situ analysis of igneous minerals. <i>Ore Geology Reviews</i> , 2021, 138, 104406.	1.1	4
96	Re-Os isotope system of sulfide from the Fule carbonate-hosted Pb-Zn deposit, SW China: Implications for Re-Os dating of Pb-Zn mineralization. <i>Ore Geology Reviews</i> , 2020, 121, 103558.	1.1	3
97	Vesuvianite: A potential U-Pb geochronometer for skarn mineralization—a case study of tungsten and tin deposits in South China. <i>Chemical Geology</i> , 2022, 607, 121017.	1.4	3
98	Determination of rhenium and osmium by ICP-MS for galena and sphalerite. <i>Acta Geochimica</i> , 2016, 35, 43-49.	0.7	2
99	In Situ Trace Elemental Analyses of Scheelite from the Chuankou Deposit, South China: Implications for Ore Genesis. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 1007.	0.8	2
100	Mantle-Derived Noble Gas Isotopes in the Ore-Forming Fluid of Xingluokeng W-Mo Deposit, Fujian Province. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 595.	0.8	2
101	Re-Os dating of molybdenite via improved alkaline fusion. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 64-69.	1.6	1
102	Application of low-temperature thermochronology on ore deposits preservation framework in South China: a review. <i>Acta Geochimica</i> , 2022, 41, 165-184.	0.7	1
103	Correlation between South China and India and development of double rift systems in the South China-India Duo during late Neoproterozoic time. <i>Bulletin of the Geological Society of America</i> , 2023, 135, 351-366.	1.6	1
104	U-Pb geochronology and trace-element composition of zircons from the Jinchang Au-Ni deposit, SW China, and their implications for tectonics. <i>Geological Magazine</i> , 2021, 158, 1269-1288.	0.9	0
105	Fluid-rock interaction of the early Cambrian black shale in the South China Block: Implications for low-temperature mineralisation. <i>Ore Geology Reviews</i> , 2021, 131, 104030.	1.1	0
106	Mafic-ultramafic intrusion formed by multi-stage evolution of hydrous basaltic melts. <i>Bulletin of the Geological Society of America</i> , 0, , .	1.6	0