## Hong-Rui Fan

List of Publications by Year in descending order

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Version: 2024-02-01

		87888	102487
108	4,829	38	66
papers	citations	h-index	g-index
110	110	110	1700
112	112	112	1708
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Petrogenesis of post-orogenic syenites in the Sulu Orogenic Belt, East China: geochronological, geochemical and Nd–Sr isotopic evidence. Chemical Geology, 2005, 214, 99-125.	3.3	355
2	Decratonic gold deposits. Science China Earth Sciences, 2015, 58, 1523-1537.	5.2	296
3	Reactivation of the Archean lower crust: Implications for zircon geochronology, elemental and Sr–Nd–Hf isotopic geochemistry of late Mesozoic granitoids from northwestern Jiaodong Terrane, the North China Craton. Lithos, 2012, 146-147, 112-127.	1.4	240
4	Mesoproterozoic carbonatitic magmatism in the Bayan Obo deposit, Inner Mongolia, North China: Constraints for the mechanism of super accumulation of rare earth elements. Ore Geology Reviews, 2011, 40, 122-131.	2.7	171
5	Types, characteristics, and time–space distribution of molybdenum deposits in China. International Geology Review, 2013, 55, 1311-1358.	2.1	147
6	Craton destruction and related resources. International Journal of Earth Sciences, 2017, 106, 2233-2257.	1.8	143
7	The giant Bayan Obo REE-Nb-Fe deposit, China: Controversy and ore genesis. Geoscience Frontiers, 2016, 7, 335-344.	8.4	136
8	Evolution of the lithospheric mantle beneath the southeastern North China Craton: Constraints from mafic dikes in the Jiaobei terrain. Gondwana Research, 2013, 24, 601-621.	6.0	118
9	Single grain pyrite Rb–Sr dating of the Linglong gold deposit, eastern China. Ore Geology Reviews, 2008, 34, 263-270.	2.7	110
10	Genesis of two different types of gold mineralization in the Linglong gold field, China: Constrains from geology, fluid inclusions and stable isotope. Ore Geology Reviews, 2015, 65, 643-658.	2.7	108
11	Hydrothermal alteration associated with Mesozoic granite-hosted gold mineralization at the Sanshandao deposit, Jiaodong Gold Province, China. Ore Geology Reviews, 2013, 53, 403-421.	2.7	106
12	The Qiyugou gold-bearing breccia pipes, Xiong'ershan region, central China: fluid-inclusion and stable-isotope evidence for an origin from magmatic fluids. International Geology Review, 2011, 53, 25-45.	2.1	101
13	Mineralizing age of the Rushan lode gold deposit in the Jiaodong Peninsula: SHRIMP U-Pb dating on hydrothermal zircon. Science Bulletin, 2004, 49, 1629-1636.	1.7	94
14	Mesoproterozoic mafic and carbonatitic dykes from the northern margin of the North China Craton: Implications for the final breakup of Columbia supercontinent. Tectonophysics, 2011, 498, 1-10.	2.2	90
15	In situ Nd isotopic measurement of natural geological materials by LA-MC-ICPMS. Science Bulletin, 2008, 53, 1062-1070.	9.0	89
16	Integrated U–Pb and Sm–Nd geochronology for a REE-rich carbonatite dyke at the giant Bayan Obo REE deposit, Northern China. Ore Geology Reviews, 2014, 63, 510-519.	2.7	88
17	Pyrite textures and compositions from the Zhuangzi Au deposit, southeastern North China Craton: implication for ore-forming processes. Contributions To Mineralogy and Petrology, 2018, 173, 1.	3.1	85
18	Zircon Uâ€"Pb ages, trace elements and Ndâ€"Hf isotopic geochemistry of Guyang sanukitoids and related rocks: Implications for the Archean crustal evolution of the Yinshan Block, North China Craton. Precambrian Research, 2013, 230, 61-78.	2.7	82

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19	Fluid evolution and ore genesis of the giant Sanshandao gold deposit, Jiaodong gold province, China: Constrains from geology, fluid inclusions and H–O–S–He–Ar isotopic compositions. Journal of Geochemical Exploration, 2016, 171, 96-112.	3.2	81
20	Remelting of Neoproterozoic relict volcanic arcs in the Middle Jurassic: Implication for the formation of the Dexing porphyry copper deposit, Southeastern China. Lithos, 2012, 150, 85-100.	1.4	78
21	A Large-Scale Cluster of Gold Deposits and Metallogenesis in the Eastern North China Craton. International Geology Review, 2002, 44, 458-476.	2.1	73
22	Decratonic gold mineralization: Evidence from the Shangzhuang gold deposit, eastern North China Craton. Gondwana Research, 2018, 54, 1-22.	6.0	73
23	The Bayan Obo (China) giant REE accumulation conundrum elucidated by intense magmatic differentiation of carbonatite. Geology, 2019, 47, 1198-1202.	4.4	72
24	Linking lithospheric thinning and magmatic evolution of late Jurassic to early cretaceous granitoids in the Jiaobei Terrane, southeastern North China Craton. Lithos, 2019, 324-325, 280-296.	1.4	71
25	Implications of pyrite geochemistry for gold mineralisation and remobilisation in the Jiaodong gold district, northeast China. Ore Geology Reviews, 2015, 71, 150-168.	2.7	68
26	Early Jurassic high-K calc-alkaline and shoshonitic rocks from the Tongshi intrusive complex, eastern North China Craton: Implication for crust–mantle interaction and post-collisional magmatism. Lithos, 2012, 140-141, 183-199.	1.4	67
27	Multiple crust–mantle interactions for the destruction of the North China Craton: Geochemical and Sr–Nd–Pb–Hf isotopic evidence from the Longbaoshan alkaline complex. Lithos, 2011, 122, 87-106.	1.4	64
28	Titanite-scale insights into multi-stage magma mixing in Early Cretaceous of NW Jiaodong terrane, North China Craton. Lithos, 2016, 258-259, 197-214.	1.4	61
29	Geochronological framework of the Xiadian gold deposit in the Jiaodong province, China: Implications for the timing of gold mineralization. Ore Geology Reviews, 2017, 86, 196-211.	2.7	61
30	An evolving magma chamber within extending lithosphere: An integrated geochemical, isotopic and zircon U–Pb geochronological study of the Gushan granite, eastern North China Craton. Journal of Asian Earth Sciences, 2012, 50, 27-43.	2.3	52
31	Fenitization in the giant Bayan Obo REE-Nb-Fe deposit: Implication for REE mineralization. Ore Geology Reviews, 2018, 94, 290-309.	2.7	52
32	REE Daughter Minerals Trapped in Fluid Inclusions in the Giant Bayan Obo REE-Nb-Fe Deposit, Inner Mongolia, China. International Geology Review, 2004, 46, 638-645.	2.1	51
33	Methane-rich fluid inclusions in skarn near the giant REE–Nb–Fe deposit at Bayan Obo, Northern China. Ore Geology Reviews, 2004, 25, 301-309.	2.7	46
34	Geochemistry and zircon U–Pb chronology of charnockites in the Yinshan Block, North China Craton: tectonic evolution involving Neoarchaean ridge subduction. International Geology Review, 2013, 55, 1688-1704.	2.1	46
35	Involvement of anomalously As-Au-rich fluids in the mineralization of the Heilan'gou gold deposit, Jiaodong, China: Evidence from trace element mapping and in-situ sulfur isotope composition. Journal of Asian Earth Sciences, 2018, 160, 304-321.	2.3	45
36	Subduction-related metasomatism of the lithospheric mantle beneath the southeastern North China Craton: Evidence from mafic to intermediate dykes in the northern Sulu orogen. Tectonophysics, 2015, 659, 137-151.	2.2	44

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37	Carbonatite-Related REE Deposits: An Overview. Minerals (Basel, Switzerland), 2020, 10, 965.	2.0	42
38	The effect of fluid-aided modification on the Sm-Nd and Th-Pb geochronology of monazite and bastnĀĦte: Implication for resolving complex isotopic age data in REE ore systems. Geochimica Et Cosmochimica Acta, 2021, 300, 1-24.	3.9	42
39	Tectonic transition from a compressional to extensional metallogenic environment at $\hat{a}^{1}/4120$ Ma revealed in the Hushan gold deposit, Jiaodong, North China Craton. Journal of Asian Earth Sciences, 2018, 160, 408-425.	2.3	40
40	Geochemistry and Sr–Nd–Pb–Hf isotopes of the Mesozoic Dadian alkaline intrusive complex in the Sulu orogenic belt, eastern China: Implications for crust–mantle interaction. Chemical Geology, 2011, 285, 97-114.	3.3	38
41	Dual origins of Xiaoqinling gold-bearing quartz veins: Fluid inclusion evidence. Science Bulletin, 2000, 45, 1424-1430.	1.7	37
42	Chronology and geochemistry of Neoarchean BIF-type iron deposits in the Yinshan Block, North China Craton: Implications for oceanic ridge subduction. Ore Geology Reviews, 2014, 63, 405-417.	2.7	36
43	Samarium–Neodymium and Rubidium–Strontium Isotopic Dating of Veined REE Mineralization for the Bayan Obo REEâ€Nbâ€Fe Deposit, Northern China. Resource Geology, 2009, 59, 407-414.	0.8	35
44	Rapid exhumation of the northern Jiaobei Terrane, North China Craton in the Early Cretaceous: Insights from Al-in-hornblende barometry and U-Pb geochronology. Journal of Asian Earth Sciences, 2018, 160, 365-379.	2.3	33
45	In Situ Uâ€Thâ€Pb Dating and Srâ€Nd Isotope Analysis of Bastnäte by LAâ€(MC)â€ICPâ€MS. Geostandards and Geoanalytical Research, 2019, 43, 543-565.	3.1	32
46	Crustâ€"mantle interaction beneath the Luxi Block, eastern North China Craton: Evidence from coexisting mantle- and crust-derived enclaves in a quartz monzonite pluton. Lithos, 2013, 177, 1-16.	1.4	31
47	Geochronological and sulfur isotopic evidence for the genesis of the post-magmatic, deeply sourced, and anomalously gold-rich Daliuhang orogenic deposit, Jiaodong, China. Mineralium Deposita, 2020, 55, 293-308.	4.1	31
48	Fluid evolution in the Rushan lode gold deposit of Jiaodong Peninsula, eastern China. Journal of Geochemical Exploration, 2006, 89, 161-164.	3.2	30
49	Conditions and processes leading to large-scale gold deposition in the Jiaodong province, eastern China. Science China Earth Sciences, 2021, 64, 1504-1523.	5.2	29
50	Geochronology of the Guilaizhuang gold deposit, Luxi Block, eastern North China Craton: Constraints from zircon U–Pb and fluorite-calcite Sm–Nd dating. Ore Geology Reviews, 2015, 65, 390-399.	2.7	27
51	Gold mineralization in the Guilaizhuang deposit, southwestern Shandong Province, China: Insights from phase relations among sulfides, tellurides, selenides and oxides. Ore Geology Reviews, 2014, 56, 276-291.	2.7	26
52	Anomalously silver-rich vein-hosted mineralisation in disseminated-style gold deposits, Jiaodong gold district, China. Ore Geology Reviews, 2015, 68, 127-141.	2.7	26
53	Exhumation history of the Sanshandao Au deposit, Jiaodong: constraints from structural analysis and (U-Th)/He thermochronology. Scientific Reports, 2017, 7, 7787.	3.3	26
54	Mesoproterozoic and Paleozoic hydrothermal metasomatism in the giant Bayan Obo REE-Nb-Fe deposit: Constrains from trace elements and Sr-Nd isotope of fluorite and preliminary thermodynamic calculation. Precambrian Research, 2018, 311, 228-246.	2.7	26

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55	New Insights Into the Control of Visible Gold Fineness and Deposition: A Case Study of the Sanshandao Gold Deposit, Jiaodong, China. American Mineralogist, 2021, 106, 135-149.	1.9	26
56	Exhaustive gold mineralizing processes of the Sanshandao gold deposit, Jiaodong Peninsula, eastern China: Displayed by hydrothermal alteration modeling. Journal of Asian Earth Sciences, 2016, 129, 152-169.	2.3	25
57	Hydrothermal genesis of Nb mineralization in the giant Bayan Obo REE-Nb-Fe deposit (China): Implicated by petrography and geochemistry of Nb-bearing minerals. Precambrian Research, 2020, 348, 105864.	2.7	25
58	Phase equilibria, thermodynamic properties, and solubility of quartz in saline-aqueous-carbonic fluids: Application to orogenic and intrusion-related gold deposits. Geochimica Et Cosmochimica Acta, 2020, 283, 201-221.	3.9	25
59	Cobalt concentration in a sulfidic sea and mobilization during orogenesis: Implications for targeting epigenetic sediment-hosted Cu-Co deposits. Geochimica Et Cosmochimica Acta, 2021, 305, 1-18.	3.9	24
60	Cooling and exhumation of the mid-Jurassic porphyry copper systems in Dexing City, SE China: insights from geo- and thermochronology. Mineralium Deposita, 2014, 49, 809-819.	4.1	23
61	Hydrothermal fluid evolution of the Jintingling gold deposit in the Jiaodong peninsula, China: Constraints from U-Pb age, CL imaging, fluid inclusion and stable isotope. Journal of Asian Earth Sciences, 2018, 160, 287-303.	2.3	22
62	Two-stage gold deposition in response to H2S loss from a single fluid in the Sizhuang deposit (Jiaodong, China). Ore Geology Reviews, 2020, 120, 103450.	2.7	21
63	Nature and evolution of the ore-forming fluids in the giant Dexing porphyry Cu–Mo–Au deposit, Southeastern China. Journal of Geochemical Exploration, 2016, 171, 83-95.	3.2	19
64	Petrology and geochemistry of the Guyang hornblendite complex in the Yinshan block, North China Craton: Implications for the melting of subduction-modified mantle. Precambrian Research, 2016, 273, 38-52.	2.7	18
65	Geological and geochronological constraints on the genesis of the giant Tongkuangyu Cu deposit (Palaeoproterozoic), North China Craton. International Geology Review, 2016, 58, 155-170.	2.1	18
66	Metamorphic P-T-t evolution of Paleoproterozoic schist-hosted Cu deposits in the Zhongtiao Mountains, North China Craton: Retrograde ore formation during sluggish exhumation. Precambrian Research, 2017, 300, 59-77.	2.7	16
67	Fluid evolution and gold precipitation in the Muping gold deposit (Jiaodong, China): Insights from in-situ trace elements and sulfur isotope of sulfides. Journal of Geochemical Exploration, 2020, 218, 106617.	3.2	16
68	Structural Networks Constraints on Alteration and Mineralization Processes in the Jiaojia Gold Deposit, Jiaodong Peninsula, China. Journal of Earth Science (Wuhan, China), 2020, 31, 500-513.	3.2	15
69	In situ chemical and Sr–Nd–O isotopic compositions of apatite from the Tongshi intrusive complex in the southern part of the North China Craton: Implications for petrogenesis and metallogeny. Journal of Asian Earth Sciences, 2015, 105, 208-222.	2.3	14
70	Origin of sanukitoid and hornblendite enclaves in the Dajitu pluton from the Yinshan Block, North China Craton: product of Neoarchaean ridge subduction?. International Geology Review, 2014, 56, 1197-1212.	2.1	13
71	Ore-forming processes in the Xingjiashan W-Mo skarn deposit (Jiaodong, China): Insights from multi-generation scheelite and garnet geochemistry. Ore Geology Reviews, 2020, 124, 103645.	2.7	13
72	Complex, multi-stage mineralization processes in the giant Bayan Obo REE-Nb-Fe deposit, China. Ore Geology Reviews, 2021, 139, 104461.	2.7	13

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73	Intrusion-related orogenic gold deposit in the East Kunlun belt, NW China: A multiproxy investigation. Ore Geology Reviews, 2021, 139, 104550.	2.7	13
74	Geochronology, redox-state and origin of the ore-hosting porphyry in the Tongkuangyu Cu deposit, North China Craton: Implications for metallogenesis and tectonic evolution. Precambrian Research, 2016, 276, 211-232.	2.7	12
75	Insights into salty metamorphic fluid evolution from scapolite in the Trans-North China Orogen: Implication for ore genesis. Geochimica Et Cosmochimica Acta, 2021, 293, 256-276.	3.9	12
76	Coesite inclusions in zircon from gneisses identified by laser Raman microspectrometer in ultrahigh pressure zone of Dabie Mountains, China. Science Bulletin, 2001, 46, 1912-1916.	1.7	11
77	Mineralogy, chalcopyrite ReOs geochronology and sulfur isotope of the Hujiayu Cu deposit in the Zhongtiao Mountains, North China Craton: Implications for a Paleoproterozoic metamorphogenic copper mineralization. Ore Geology Reviews, 2016, 78, 252-267.	2.7	11
78	Multiphase carbonatite-related magmatic and metasomatic processes in the genesis of the ore-hosting dolomite in the giant Bayan Obo REE-Nb-Fe deposit. Lithos, 2020, 354-355, 105359.	1.4	11
79	Late Mesozoic Gold Mineralization in the North China Craton. Springer Geology, 2016, , 511-525.	0.3	10
80	Mesozoic felsic dikes in the Jiaobei Terrane, southeastern North China Craton: Constraints from zircon geochronology and geochemistry, and implications for gold metallogeny. Journal of Geochemical Exploration, 2019, 201, 40-55.	3.2	10
81	Texture, trace elements, sulfur and He-Ar isotopes in pyrite: Implication for ore-forming processes and fluid source of the Guoluolongwa gold deposit, East Kunlun metallogenic belt. Ore Geology Reviews, 2021, 136, 104260.	2.7	10
82	Multistage ore-forming processes and metal source recorded in texture and composition of pyrite from the Late Triassic Asiha gold deposit, Eastern Kunlun Orogenic Belt, western China. Journal of Asian Earth Sciences, 2021, 220, 104920.	2.3	10
83	Origin of the Yinshan epithermal-porphyry Cu–Au–Pb–Zn–Ag deposit, southeastern China: insights from geochemistry, Sr–Nd and zircon U–Pb–Hf–O isotopes. International Geology Review, 2013, 55, 1835-1864.	2.1	9
84	Ore-forming processes in the Wang'ershan gold deposit (Jiaodong, China): Insight from microtexture, mineral chemistry and sulfur isotope compositions. Ore Geology Reviews, 2020, 123, 103600.	2.7	9
85	Silicate melt inclusions in clinopyroxene phenocrysts from mafic dikes in the eastern North China Craton: Constraints on melt evolution. Journal of Asian Earth Sciences, 2015, 97, 150-168.	2.3	8
86	Fluid inclusions in whiteschist in the ultrahigh-pressure metamorphic belt of Dabie Shan, China. Science Bulletin, 2002, 47, 1028-1032.	1.7	7
87	Late Early-Cretaceous Magma Mixing in the Langqi Island, Fujian Province, China: Evidences from Petrology, Geochemistry and Zircon Geochronology. Journal of Earth Science (Wuhan, China), 2020, 31, 468-480.	3.2	7
88	Geochronological framework and ore genesis of the Tiantangshan Rb-Sn-W deposit, northeastern Guangdong, south China: Constraints from cassiterite and monazite U-Pb dating. Ore Geology Reviews, 2021, 139, 104457.	2.7	7
89	In situ trace elements of magnetite in the Bayan Obo REE-Nb-Fe deposit: Implications for the genesis of mesoproterozoic iron mineralization. Ore Geology Reviews, 2021, 139, 104574.	2.7	7
90	Gold mineralizing efficiency during hydrothermal alteration of the Mesozoic granitoids in the northwest Jiaodong Peninsula: Contrasting conditions between the Guojialing and Linglong plutons. Chemie Der Erde, 2017, 77, 387-398.	2.0	6

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91	Infrared microthermometry of fluid inclusions in transparent to opaque minerals: challenges and new insights. Mineralium Deposita, 2020, 55, 1425-1440.	4.1	6
92	Texture, geochemistry and geochronology of titanite and pyrite: Fingerprint of magmatic-hydrothermal fertile fluids in the Jiaodong Au province. American Mineralogist, 2021, , .	1.9	6
93	Deep oreâ€'forming fluid characteristics of the Jiaodong gold province: Evidence from the Qianchen gold deposit in the Jiaojia gold belt. Ore Geology Reviews, 2022, 145, 104911.	2.7	6
94	Editorial for Special Issue "Critical Metals in Hydrothermal Ores: Resources, Recovery, and Challenges― Minerals (Basel, Switzerland), 2021, 11, 299.	2.0	5
95	Sulfide texture and geochemistry of the Neoarchean Hongtoushan Cu-Zn deposit (NE China): Implication for mixed-state metamorphic remobilization. Ore Geology Reviews, 2022, 145, 104885.	2.7	5
96	Oxygen isotope compositions of eclogites in Rongcheng, Eastern China. Science Bulletin, 2003, 48, 372-378.	1.7	4
97	Contribution of Precambrian basements to the Mesozoic ore-fluid system: An illustration using the Majiayao gold deposit, Jiaodong, China. Ore Geology Reviews, 2021, 139, 104447.	2.7	4
98	New constraints for crustal sulfur contamination of gold source: Evidence from complex Î'34S of pyrite in the northwestern Jiaodong gold province, China. Precambrian Research, 2022, 378, 106773.	2.7	4
99	Major Precambrian events and mineralization in the North China Craton: Preface. Ore Geology Reviews, 2014, 63, 349-352.	2.7	3
100	Auriferous Quartz Veining Due to CO2 Content Variations and Decompressional Cooling, Revealed by Quartz Solubility, SEM-CL and Fluid Inclusion Analyses (The Linglong Goldfield, Jiaodong). Minerals (Basel, Switzerland), 2020, 10, 417.	2.0	3
101	Extreme iron isotope variation of pyrite in the Muping gold deposit, Jiaodong: Implication for tracing metal origin. Ore Geology Reviews, 2021, 139, 104431.	2.7	3
102	Iron and sulfur isotope fractionation during pyrite dissolution-reprecipitation revealed by in-situ isotopic analyses in the Muping gold deposit (Jiaodong, China). Journal of Asian Earth Sciences, 2022, 230, 105217.	2.3	3
103	Thermodynamic Constraints on REE Mineral Paragenesis in the Bayan Obo REE-Nb-Fe Deposit, China. Minerals (Basel, Switzerland), 2020, 10, 495.	2.0	2
104	An oxidised intrusion-related origin in the controversial Jiaodong gold province (China) for the Shicheng Au-Cu deposit. All Earth, 2021, 33, 5-29.	2.1	2
105	Prospecting Potential of the Yanjingou Gold Deposit in the East Kunlun Orogen, NW China: Evidence from Primary Halo Geochemistry and In Situ Pyrite Thermoelectricity. Minerals (Basel, Switzerland), 2021, 11, 1117.	2.0	2
106	Saline fluids drive Cu mineralization in Precambrian metasediments: Evidence from the Trans-North China Orogen. Ore Geology Reviews, 2021, 139, 104462.	2.7	1
107	In-situ monazite Nd and pyrite S isotopes as fingerprints for the source of ore-forming fluids in the Jiaodong gold province. Ore Geology Reviews, 2022, 147, 104965.	2.7	1
108	Insights into the Ore Genesis of the Giant Bayan Obo REE-Nb-Fe Deposit and the Mesoproterozoic Rifting Events in the Northern North China Craton. Springer Geology, 2016, , 435-450.	0.3	0