

# Mingguo Zhai

## List of Publications by Year in descending order

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55  
papers

6,137  
citations

159358

30  
h-index

155451

55  
g-index

55  
all docs

55  
docs citations

55  
times ranked

2079  
citing authors

#	ARTICLE	IF	CITATIONS
1	Accretion leading to collision and the Permian Solonker suture, Inner Mongolia, China: Termination of the central Asian orogenic belt. <i>Tectonics</i> , 2003, 22, n/a-n/a.	1.3	1,625
2	Metallogeny of the North China Craton: Link with secular changes in the evolving Earth. <i>Gondwana Research</i> , 2013, 24, 275-297.	3.0	584
3	Palaeoproterozoic tectonic history of the North China craton: a review. <i>Precambrian Research</i> , 2003, 122, 183-199.	1.2	460
4	A 1.78 Ga large igneous province in the North China craton: The Xiong'er Volcanic Province and the North China dyke swarm. <i>Lithos</i> , 2008, 101, 260-280.	0.6	346
5	The amalgamation of the supercontinent of North China Craton at the end of Neo-Archaean and its breakup during late Palaeoproterozoic and Meso-Proterozoic. <i>Science in China Series D: Earth Sciences</i> , 2000, 43, 219-232.	0.9	342
6	Geochronological Constraints on the Paleoproterozoic Evolution of the North China Craton: SHRIMP Zircon Ages of Different Types of Mafic Dikes. <i>International Geology Review</i> , 2005, 47, 492-508.	1.1	286
7	Zircon U-Pb SHRIMP dating for the volcanic rocks of the Xiong'er Group: Constraints on the initial formation age of the cover of the North China Craton. <i>Science Bulletin</i> , 2004, 49, 2495-2502.	1.7	245
8	Cratonization and the Ancient North China Continent: A summary and review. <i>Science China Earth Sciences</i> , 2011, 54, 1110-1120.	2.3	228
9	Zircon U-Pb ages and tectonic implications of 'Early Paleozoic' granitoids at Yanbian, Jilin Province, northeast China. <i>Island Arc</i> , 2004, 13, 484-505.	0.5	188
10	Late Paleoproterozoic-Neoproterozoic multi-rifting events in the North China Craton and their geological significance: A study advance and review. <i>Tectonophysics</i> , 2015, 662, 153-166.	0.9	181
11	Lower crustal processes leading to Mesozoic lithospheric thinning beneath eastern North China: Underplating, replacement and delamination. <i>Lithos</i> , 2007, 96, 36-54.	0.6	180
12	Time range of Mesozoic tectonic regime inversion in eastern North China Block. <i>Science in China Series D: Earth Sciences</i> , 2004, 47, 151.	0.9	129
13	Mesoproterozoic magmatic events in the eastern North China Craton and their tectonic implications: Geochronological evidence from detrital zircons in the Shandong Peninsula and North Korea. <i>Gondwana Research</i> , 2012, 22, 828-842.	3.0	103
14	Mineralizing age of the Rushan lode gold deposit in the Jiaodong Peninsula: SHRIMP U-Pb dating on hydrothermal zircon. <i>Science Bulletin</i> , 2004, 49, 1629-1636.	1.7	94
15	Age of the Miyun dyke swarm: Constraints on the maximum depositional age of the Changcheng System. <i>Science Bulletin</i> , 2012, 57, 105-110.	1.7	86
16	Petrogenesis of Triassic post-collisional syenite plutons in the Sino-Korean craton: an example from North Korea. <i>Geological Magazine</i> , 2008, 145, 637-647.	0.9	79
17	Sm-Nd age dating of high-pressure granulites and amphibolite from Sanggan area, North China craton. <i>Science Bulletin</i> , 2001, 46, 106-111.	1.7	77
18	A Large-Scale Cluster of Gold Deposits and Metallogensis in the Eastern North China Craton. <i>International Geology Review</i> , 2002, 44, 458-476.	1.1	73

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19	Large clusters of gold deposits and large-scale metallogenesis in the Jiaodong Peninsula, Eastern China. <i>Science in China Series D: Earth Sciences</i> , 2001, 44, 758-768.	0.9	70
20	Timing of the granulite facies metamorphism in the Sanggan area, North China craton: zircon U-Pb geochronology. <i>Science in China Series D: Earth Sciences</i> , 2001, 44, 1010-1018.	0.9	65
21	The geology of North Korea: An overview. <i>Earth-Science Reviews</i> , 2019, 194, 57-96.	4.0	53
22	Is the Dongwanzi Complex an Archean Ophiolite?. <i>Science</i> , 2002, 295, 923a-923.	6.0	52
23	SHRIMP zircon age of a Proterozoic rapakivi granite batholith in the Gyeonggi massif (South Korea) and its geological implications. <i>Geological Magazine</i> , 2005, 142, 23-30.	0.9	48
24	Geochemistry and zircon ages of mafic dikes in the South Qinling, central China: evidence for late Neoproterozoic continental rifting in the northern Yangtze block. <i>International Journal of Earth Sciences</i> , 2015, 104, 27-44.	0.9	48
25	Renewed profile of the Mesozoic magmatism in Korean Peninsula: Regional correlation and broader implication for cratonic destruction in the North China Craton. <i>Science China Earth Sciences</i> , 2016, 59, 2355-2388.	2.3	46
26	The neoproterozoic ophiolite in the North China craton: Early Precambrian plate tectonics and scientific debate. <i>Journal of Earth Science (Wuhan, China)</i> , 2012, 23, 277-284.	1.1	39
27	Geochemistry of hornblende gabbros from Sonidzuoqi, Inner Mongolia, North China: implications for magmatism during the final stage of suprasubduction zone ophiolite formation. <i>International Geology Review</i> , 2009, 51, 345-373.	1.1	37
28	Crustal reworking in the North China Craton at ~2.5 Ga: evidence from zircon U-Pb age, Hf isotope and whole rock geochemistry of the felsic volcanic-sedimentary rocks from the western Shandong Province. <i>Geological Journal</i> , 2013, 48, 406-428.	0.6	37
29	Decoding Neoproterozoic to Palaeoproterozoic tectonothermal events in the Rangnim Massif, North Korea: regional correlation and broader implications. <i>International Geology Review</i> , 2017, 59, 16-28.	1.1	35
30	Continental crustal evolution and synchronous metallogeny through time in the North China Craton. <i>Journal of Asian Earth Sciences</i> , 2020, 194, 104169.	1.0	34
31	Geochemistry of Middle Triassic gabbros from northern Liaoning, North China: origin and tectonic implications. <i>Geological Magazine</i> , 2009, 146, 540-551.	0.9	31
32	Magma underplating and Hannuoba present crust-mantle transitional zone composition: Xenolith petrological and geochemical evidence. <i>Science in China Series D: Earth Sciences</i> , 2005, 48, 1089-1105.	0.9	27
33	Petrogenesis and significance of the Mesozoic North Taihang complex: Major and trace element evidence. <i>Science in China Series D: Earth Sciences</i> , 2003, 46, 941-953.	0.9	26
34	Carbon isotopes, sulfur isotopes, and trace elements of the dolomites from the Dengying Formation in Zhenba area, southern Shaanxi: Implications for shallow water redox conditions during the terminal Ediacaran. <i>Science China Earth Sciences</i> , 2015, 58, 1107-1122.	2.3	24
35	Chemical composition and varieties of fahlore-group minerals from Oligocene mineralization in the Rhodope area, Southern Bulgaria and Northern Greece. <i>Mineralogy and Petrology</i> , 2016, 110, 103-123.	0.4	24
36	Gold mineralization age of the Anjiayingzi gold deposit in Chifeng County, Inner Mongolia and implications for Mesozoic metallogenic explosion in North China. <i>Science in China Series D: Earth Sciences</i> , 2004, 47, 115.	0.9	14

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37	Tectonic setting of the Helong Block: Implications for the northern boundary of the eastern North China Craton. <i>Science in China Series D: Earth Sciences</i> , 2005, 48, 1599-1612.	0.9	14
38	Shared metamorphic histories of various Palaeoproterozoic granulites from Datong-Huai'an area, North China Craton (NCC): constraints from zircon U-Pb ages and petrology. <i>International Geology Review</i> , 2019, 61, 694-719.	1.1	12
39	Tectonic Division of the Sulu Ultrahigh-Pressure Region and the Nature of Its Boundary with the North China Block. <i>International Geology Review</i> , 2005, 47, 1074-1089.	1.1	11
40	Petrochemistry and geochemistry of HP metabasites from Haiyangsuo in Sulu UHP belt of eastern China. <i>Science in China Series D: Earth Sciences</i> , 2002, 45, 21-33.	0.9	9
41	General Precambrian Geology in China. <i>Springer Geology</i> , 2015, , 3-56.	0.2	9
42	Older orogens cooled slower: new constraints on Orosirian tectonics from garnet diffusion modeling of metamorphic timescales, Jiaobei terrain, North China Craton. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	1.2	9
43	Latest Paleoproterozoic (ca. 1.8-1.6 Ga) extensional tectonic setting in the Dunhuang terrane, NW China: Evidence from geochronological and geochemical investigations on A-type granite and metamafic rock. <i>Lithosphere</i> , 2019, 11, 834-854.	0.6	8
44	Petrogenesis of Two Types of Archean TTGs in the North China Craton: A Case Study of Intercalated TTGs in Lushan and Non-intercalated TTGs in Hengshan. <i>Acta Geologica Sinica</i> , 2016, 90, 2049-2065.	0.8	7
45	Zircon U-Pb geochronology of tuffite beds in the Baishugou Formation: Constraints on the revision of Ectasian System at the southern margin of the North China Craton. <i>Science China Earth Sciences</i> , 2020, 63, 1817-1830.	2.3	7
46	The evolving continents: understanding processes of continental growth - introduction. <i>Geological Society Special Publication</i> , 2010, 338, 1-6.	0.8	5
47	Distribution, Microfabric, and Geochemical Characteristics of Siliceous Rocks in Central Orogenic Belt, China: Implications for a Hydrothermal Sedimentation Model. <i>Scientific World Journal</i> , The, 2014, 2014, 1-25.	0.8	5
48	Depositional environment and origin of the Lilaozhuang Neoproterozoic BIF-hosted iron-magnesite deposit on the southern margin of the North China Craton. <i>International Journal of Earth Sciences</i> , 2017, 106, 1753-1772.	0.9	5
49	Local Rapid Exhumation and Fast Cooling in a Long-lived Paleoproterozoic Orogeny. <i>Journal of Petrology</i> , 2021, 61, .	1.1	5
50	Call in question and discussion: Are there sandwiched low-grade metamorphic slabs within UHP metamorphic rocks in the Dabieshan terrane?. <i>Science Bulletin</i> , 2000, 45, 181-189.	1.7	4
51	Corresponding Main Metallogenic Epochs to Key Geological Events in the North China Craton: An Example for Secular Changes in the Evolving Earth. <i>Springer Geology</i> , 2016, , 1-26.	0.2	4
52	Secondary phosphatization of the earliest Cambrian small shelly fossil Anabarites from southern Shaanxi. <i>Journal of Earth Science (Wuhan, China)</i> , 2016, 27, 196-203.	1.1	2
53	Geochemical Characteristics of Wuyang Siliceous Rocks in the Southern Margin of North China Craton and its Constraint on the Formation Environment of BIF of Tieshanmiao Formation. <i>Acta Geologica Sinica</i> , 2019, 93, 1738-1754.	0.8	2
54	Iron and Carbon Isotope Constraints on the Formation Pathway of Iron-Rich Carbonates within the Dagushan Iron Formation, North China Craton. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 94.	0.8	2

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55	Late Paleoproterozoic-Neoproterozoic Multi-rifting Events Accompanied by Four Stages of Magmatism in the North China Craton and Their Geological Significance. <i>Acta Geologica Sinica</i> , 2016, 90, 48-48.	0.8	1