Shuwen Liu

List of Publications by Year
in descending order

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Version: 2024-02-01

60 papers	3,407 citations	136950 32 h-index	138484 58 g-index
62 all docs	62 docs citations	62 times ranked	936 citing authors

#	Article	IF	Citations
1	Archean geodynamics in the Central Zone, North China Craton: constraints from geochemistry of two contrasting series of granitoids in the Fuping and Wutai complexes. Precambrian Research, 2004, 130, 229-249.	2.7	279
2	Geological and isotopic geochemical constraints on the evolution of the Fuping Complex, North China Craton. Precambrian Research, 2002, 117, 41-56.	2.7	231
3	Zircon Uâ€“Pb chronology of the Jianping Complex: Implications for the Precambrian crustal evolution history of the northern margin of North China Craton. Gondwana Research, 2011, 20, 48-63.	6.0	226
4	Geochemistry and Uâ€“Pb zircon ages of metamorphic volcanic rocks of the Paleoproterozoic LÃ¼liang Complex and constraints on the evolution of the Trans-North China Orogen, North China Craton. Precambrian Research, 2012, 222-223, 173-190.	2.7	201
5	Geochemistry of the paleoproterozonic Nanying granitic gneisses in the Fuping complex: implications for the tectonic evolution of the Central Zone, North China Craton. Journal of Asian Earth Sciences, 2005, 24, 643-658.	2.3	182
6	Neoarchean intra-oceanic arc system in the Western Liaoning Province: Implications for Early Precambrian crustal evolution in the Eastern Block of the North China Craton. Earth-Science Reviews, 2015, 150, 329-364.	9.1	162
7	Structural pattern of the Wutai Complex and its constraints on the tectonic framework of the Trans-North China Orogen. Precambrian Research, 2012, 222-223, 212-229.	2.7	142
8	Geochemistry, zircon Uâ€“Pb geochronology and Luâ€“Hf isotopes of metavolcanics from eastern Hebei reveal Neoarchean subduction tectonics in the North China Craton. Gondwana Research, 2013, 24, 664-686.	6.0	142
9	Zircon Uâ€“Pbâ€“Hf isotopes and whole-rock geochemistry of granitoid gneisses in the Jianping gneissic terrane, Western Liaoning Province: Constraints on the Neoarchean crustal evolution of the North China Craton. Precambrian Research, 2013, 224, 184-221.	2.7	120
10	Quantifying Crustal Thickness in Continental Collisional Belts: Global Perspective and a Geologic Application. Scientific Reports, 2017, 7, 7058.	3.3	104
11	Late Neoarchean subduction-related crustal growth in the Northern Liaoning region of the North China Craton: Evidence from â¼2.55 to 2.50 Ga granitoid gneisses. Precambrian Research, 2016, 281, 200-223.	2.7	102
12	Neoarchean subduction: A case study of arc volcanic rocks in Qinglong-Zhuzhangzi area of the Eastern Hebei Province, North China Craton. Precambrian Research, 2015, 264, 36-62.	2.7	95
13	Zircon Uâ€“Pbâ€“Hf isotopes and geochemistry of Neoarchean dioriticâ€“trondhjemitic gneisses, Eastern Hebei, North China Craton: Constraints on petrogenesis and tectonic implications. Precambrian Research, 2014, 251, 1-20.	2.7	92
14	Nature of the Precambrian metamorphic blocks in the eastern segment of Central Tianshan: Constraint from geochronology and Nd isotopic geochemistry. Science in China Series D: Earth Sciences, 2004, 47, 1085-1094.	0.9	86
15	A Neoarchean arcâ€“back-arc system in Eastern Hebei, North China Craton: Constraints from zircon Uâ€“Pbâ€“Hf isotopes and geochemistry of dioriticâ€“tonalitic–trondhjemiticâ€“granodioritic (DTTG) gneisses and felsic paragneisses. Precambrian Research, 2016, 273, 90-111.	2.7	79
16	Zircon Uâ€“Pbâ€“Hf isotopes and geochemistry of two contrasting Neoarchean charnockitic rock series in Eastern Hebei, North China Craton: Implications for petrogenesis and tectonic setting. Precambrian Research, 2015, 267, 72-93.	2.7	77
17	A reworked â¼3.45 Ga continental microblock of the North China Craton: Constraints from zircon U-Pb-Lu-Hf isotopic systematics of the Archean Beitai-Waitoushan migmatite-syenogranite complex. Precambrian Research, 2017, 303, 332-354.	2.7	57
18	Quantitatively Tracking the Elevation of the Tibetan Plateau Since the Cretaceous: Insights From Wholeâ€Rock Sr/Y and La/Yb Ratios. Geophysical Research Letters, 2020, 47, e2020GL089202.	4.0	57

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19	Cyclic formation and stabilization of Archean lithosphere by accretionary orogenesis: Constraints from TTG and potassic granitoids, North China Craton. Tectonics, 2017, 36, 1724-1742.	2.8	51
20	Petrogenesis of taxitic dioriticâ€“tonalitic gneisses and Neoarchean crustal growth in Eastern Hebei, North China Craton. Precambrian Research, 2016, 284, 64-87.	2.7	47
21	Late Neoarchean monzograniticâ€“syenogranitic gneisses in the Eastern Hebeiâ€“Western Liaoning Province, North China Craton: Petrogenesis and implications for tectonic setting. Precambrian Research, 2017, 303, 392-413.	2.7	46
22	Petrogenesis and tectonic implications of the Neoarchean North Liaoning tonalitic-trondhjemitic gneisses of the North China Craton, North China. Journal of Asian Earth Sciences, 2016, 131, 12-39.	2.3	43
23	Petrogenesis of late Neoarchean high-K granitoids in the Western Shandong terrane, North China Craton, and their implications for crust-mantle interactions. Precambrian Research, 2018, 315, 138-161.	2.7	43
24	A Ca. 2.8â€Ga Plumeâ€Induced Intraoceanic Arc System in the Eastern North China Craton. Tectonics, 2019, 38, 1694-1717.	2.8	42
25	Neoarchean DTTG gneisses in southern Liaoning Province and their constraints on crustal growth and the nature of the Liao-Ji Belt in the Eastern Block. Precambrian Research, 2017, 303, 183-207.	2.7	41
26	Late Neoarchean crust-mantle geodynamics: Evidence from Pingquan Complex of the Northern Hebei Province, North China Craton. Precambrian Research, 2017, 303, 470-493.	2.7	40
27	Petrogenesis of Indosinian Granitoids in Middleâ€Segment of South Qinling Tectonic Belt: Constraints from Srâ€Nd Isotopic Systematics. Acta Geologica Sinica, 2011, 85, 610-628.	1.4	39
28	A Neoarchean K-rich granitoid belt in the northern North China Craton. Precambrian Research, 2019, 328, 193-216.	2.7	39
29	Arc-generated metavolcanic rocks in the Anshanâ€“Benxi greenstone belt, North China Craton: Constraints from geochemistry and zircon Uâ€“Pbâ€“Hf isotopic systematics. Precambrian Research, 2017, 303, 228-250.	2.7	37
30	Neoarchean crust-mantle interactions in the Yishui Terrane, south-eastern margin of the North China Craton: Constraints from geochemistry and zircon U-Pb-Hf isotopes of metavolcanic rocks and high-K granitoids. Gondwana Research, 2019, 65, 97-124.	6.0	37
31	Contrasting provenance of Late Archean metasedimentary rocks from the Wutai Complex, North China Craton: detrital zircon Uâ€“Pb, whole-rock Smâ€“Nd isotopic, and geochemical data. International Journal of Earth Sciences, 2008, 97, 443-458.	1.8	36
32	Geochemical constraints on the petrogenesis of the Proterozoic granitoid gneisses from the eastern segment of the Central Tianshan Tectonic Zone, northwestern China. Geological Magazine, 2007, 144, 305-317.	1.5	33
33	Reâ€“Os and Uâ€“Pb Geochronology of the Erlihe Pbâ€“Zn Deposit, Qinling Orogenic Belt, Central China, and Constraints on Its Deposit Genesis. Acta Geologica Sinica, 2011, 85, 673-682.	1.4	32
34	Thermal state and evolving geodynamic regimes of the Meso- to Neoarchean North China Craton. Nature Communications, 2021, 12, 3888.	12.8	32
35	A Neoarchean subduction recorded by the Eastern Hebei Precambrian basement, North China Craton: Geochemical fingerprints from metavolcanic rocks of the Saheqiao-Shangying-Qinglong supracrustal belt. Journal of Asian Earth Sciences, 2017, 135, 347-369.	2.3	28
36	Chronology and petrogenesis of the Hejiazhuang granitoid pluton and its constraints on the Early Triassic tectonic evolution of the South Qinling Belt. Science China Earth Sciences, 2014, 57, 232-246.	5.2	27

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37	Complex Neoarchean mantle metasomatism: Evidence from sanukitoid diorites-monzodiorites-granodiorites in the northeastern North China Craton. Precambrian Research, 2020, 342, 105692.	2.7	27
38	Thickness and geothermal gradient of Neoarchean continental crust: Inference from the southeastern North China Craton. Gondwana Research, 2019, 73, 16-31.	6.0	26
39	Mineral chemistry, P-T-t paths and exhumation processes of mafic granulites in Dinggye, Southern Tibet. Science in China Series D: Earth Sciences, 2005, 48, 1870-1881.	0.9	18
40	Interaction Among Magmas from Various Sources and Crustal Melting Processes During Continental Collision: Insights from the Huayang Intrusive Complex of the South Qinling Belt, China. Journal of Petrology, 2018, 59, 735-770.	2.8	18
41	Oxidation of Archean upper mantle caused by crustal recycling. Nature Communications, 2022, 13, .	12.8	16
42	Geochemistry and petrogenesis of the early Palaeozoic appinite-granite complex in the Western Kunlun Orogenic Belt, NW China: implications for Palaeozoic tectonic evolution. Geological Magazine, 2018, 155, 1641-1666.	1.5	15
43	Diverse middle Neoarchean granitoids and the delamination of thickened crust in the Western Shandong Terrane, North China Craton. Lithos, 2019, 348-349, 105178.	1.4	15
44	Origin of late Neoarchean granitoid diversity in the Western Shandong province, North China Craton. Precambrian Research, 2020, 339, 105620.	2.7	14
45	Late Jurassic Cuâ€Mo Mineralization at the Zhashuiâ€Shanyang District, South Qinling, China: Constraints from Reâ€Os Molybdenite and Laser Ablationâ€Inductively Coupled Plasma Mass Spectrometry Uâ€Pb Zircon Dating. Acta Geologica Sinica, 2011, 85, 661-672.	1.4	13
46	Two contrasting Neoarchean metavolcanic rock suites in eastern Hebei and their geodynamic implications for the northern North China Craton. Gondwana Research, 2021, 95, 45-71.	6.0	13
47	Crust-mantle geodynamic origin of ~2.7ÂGa granitoid diversification in the Jiaobei terrane, North China Craton. Precambrian Research, 2020, 346, 105821.	2.7	11
48	Neoarchean-early Paleoproterozoic granitoids, the geothermal gradient and geodynamic evolution in the Hengshan Terrane, North China Craton. Gondwana Research, 2021, 94, 143-163.	6.0	11
49	Late Neoarchean volcanic rocks in the southern Liaoning Terrane and their tectonic implications for the formation of the eastern North China Craton. Geoscience Frontiers, 2020, 11, 1053-1068.	8.4	10
50	Diversity of late Neoarchean K-rich granitoid rocks derived from subduction-related crust/mantle interactions in the Jiaobei terrane, North China Craton. Gondwana Research, 2020, 85, 84-102.	6.0	10
51	Nd isotopic characteristics of Proterozoic metasedimentary rocks and constraints on their provenance in the eastern segment of Central Tianshan Belt, Xinjiang*. Progress in Natural Science: Materials International, 2003, 13, 908-913.	4.4	9
52	Neoarchean granitoids and tectonic regime of lateral growth in northeastern North China Craton. Gondwana Research, 2022, 107, 176-200.	6.0	9
53	Geochemistry and Zircon Uâ€“Pbâ€“Hf Isotopic Systematics of the Sanchahe Quartz Monzonite Intrusion in the North Qinling Tectonic Zone, Central China: Implications for its Petrogenesis and Tectonic Setting. Acta Geologica Sinica, 2014, 88, 154-175.	1.4	8
54	Petrogenesis of the Neoarchean granitoids and crustal oxidation states in the Western Shandong Province, North China Craton. Precambrian Research, 2019, 334, 105446.	2.7	7

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55	Featured Neoarchean granitoid association in the central North China Craton: An indicator of warm plate subduction. Bulletin of the Geological Society of America, 2023, 135, 295-309.	3.3	7
56	Geochemical characteristics of the metapelites from the Xingxingxia group in the Eastern Segment of the Central Tianshan: Implications for the provenance and paleoweathering. Science in China Series D: Earth Sciences, 2005, 48, 1637-1648.	0.9	6
57	Archean crust-mantle geodynamic regimes: A review. Geosystems and Geoenvironment, 2022, 1, 100063.	3.2	6
58	Late Neoarchean geodynamic regime of the northeastern North China Craton: Constraints from metamorphosed volcanic rocks of the Anshan-Benxi greenstone belt. Precambrian Research, 2022, 371, 106583.	2.7	6
59	Volcanic succession, petrology, and geochemistry of the Sujiagou komatiite from the North China Craton. Geological Journal, 2020, 55, 3265-3282.	1.3	3
60	Neoarchaean subduction tectonics in Western Shandong Province, China: Evidence from geochemistry and zircon Uâ€“Pbâ€“Hf isotopes of metabasalts. Geological Journal, 2020, 55, 3575-3600.	1.3	2