

Lu Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4562649/publications.pdf>

Version: 2024-02-01

83
papers

3,169
citations

159573

30
h-index

161844

54
g-index

87
all docs

87
docs citations

87
times ranked

1735
citing authors

#	ARTICLE	IF	CITATIONS
1	From subduction initiation to hot subduction: Life of a Neoproterozoic subduction zone from the Dengfeng Greenstone Belt, North China Craton. <i>Bulletin of the Geological Society of America</i> , 2022, 134, 1277-1300.	3.3	7
2	Ophiolites and ocean plate stratigraphy (OPS) preserved across the Central Mongolian Microcontinent: A new mega-archive of data for the tectonic evolution of the Paleo-Asian Ocean. <i>Gondwana Research</i> , 2022, 105, 51-83.	6.0	8
3	Giant sheath-folded nappe stack demonstrates extreme subhorizontal shear strain in an Archean orogen. <i>Geology</i> , 2022, 50, 577-582.	4.4	9
4	Archean eclogite-facies oceanic crust indicates modern-style plate tectonics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2117529119.	7.1	40
5	Vestiges of early Earth's deep subduction and CHONSP cycle recorded in Archean ophiolitic podiform chromitites. <i>Earth-Science Reviews</i> , 2022, 227, 103968.	9.1	18
6	Early Paleoproterozoic Post-Collisional Basaltic Magmatism in Quanji Massif: Implications for Precambrian Plate Tectonic Regime in NW China. <i>Journal of Earth Science (Wuhan, China)</i> , 2022, 33, 706-718.	3.2	3
7	Partial melting of ultrahigh-pressure eclogite by omphacite-breakdown facilitates exhumation of deeply-subducted crust. <i>Earth and Planetary Science Letters</i> , 2021, 554, 116664.	4.4	20
8	Late Mesoproterozoic low- <i>P/T</i> -type metamorphism in the North Wulan terrane: Implications for the assembly of Rodinia. <i>Bulletin of the Geological Society of America</i> , 2021, 133, 2243-2265.	3.3	12
9	Greece and Turkey Shaken by African tectonic retreat. <i>Scientific Reports</i> , 2021, 11, 6486.	3.3	19
10	Extreme sulfur isotope fractionation of hydrothermal auriferous pyrites from the SW fringe of the Taupo Volcanic Zone, New Zealand: Implications for epithermal gold exploration. <i>Results in Geochemistry</i> , 2021, 3, 100009.	0.8	1
11	Neoproterozoic to Paleoproterozoic tectonothermal evolution of the North China Craton: Constraints from geological mapping and Th-U-Pb geochronology of zircon, titanite and monazite in Zanhuang Massif. <i>Precambrian Research</i> , 2021, 359, 106214.	2.7	11
12	Podiform chromitite genesis in an Archean juvenile forearc setting: The 2.55 Ga Zunhua chromitites, North China Craton. <i>Lithos</i> , 2021, 394-395, 106194.	1.4	8
13	Ultra-high pressure inclusion in Archean ophiolitic podiform chromitite in a block suggests deep subduction on early Earth. <i>Precambrian Research</i> , 2021, 362, 106318.	2.7	18
14	Archean dome-and-basin style structures form during growth and death of intraoceanic and continental margin arcs in accretionary orogens. <i>Earth-Science Reviews</i> , 2021, 220, 103725.	9.1	38
15	Alpine-style nappes thrust over ancient North China continental margin demonstrate large Archean horizontal plate motions. <i>Nature Communications</i> , 2021, 12, 6172.	12.8	31
16	Identification of the Neoproterozoic Jianping pyroxenite in the Central Orogenic Belt, North China Craton: A fore-arc accretional assemblage. <i>Precambrian Research</i> , 2020, 336, 105495.	2.7	18
17	Separating multiple episodes of partial melting in polyorogenic crust: An example from the Haiyangsuo complex, northern Sulu belt, eastern China. <i>Bulletin of the Geological Society of America</i> , 2020, 132, 1235-1256.	3.3	8
18	Changes through time: Life cycle of the world's largest Archean compared with Mesozoic and Paleozoic subduction-accretion-collision changes. <i>Earth-Science Reviews</i> , 2020, 209, 103303.	9.1	68

#	ARTICLE	IF	CITATIONS
19	From subduction initiation to arc polarity reversal: Life cycle of an Archean subduction zone from the Zunhua ophiolitic mélange, North China Craton. <i>Precambrian Research</i> , 2020, 350, 105868.	2.7	23
20	Paired metamorphism in the Neoproterozoic: A record of accretionary-to-collisional orogenesis in the North China Craton. <i>Earth and Planetary Science Letters</i> , 2020, 543, 116355.	4.4	68
21	Neoproterozoic seafloor hydrothermal metamorphism of basalts in the Zanhuang ophiolitic mélange, North China Craton. <i>Precambrian Research</i> , 2020, 347, 105832.	2.7	8
22	Petrogenesis of leucosome sheets in migmatitic UHP eclogites: Evolution from silicate-rich supercritical fluid to hydrous melt. <i>Lithos</i> , 2020, 360-361, 105442.	1.4	11
23	A Neoproterozoic arc-backarc pair in the Linshan Massif, southern North China Craton. <i>Precambrian Research</i> , 2020, 341, 105649.	2.7	15
24	The Early Palaeozoic mega-thrusting of the Gondwana-derived Altay-Lake zone in western Mongolia: Implications for the development of the Central Asian Orogenic Belt and Palaeo-Asian Ocean evolution. <i>Geological Journal</i> , 2020, 55, 2129-2149.	1.3	10
25	Origin and Tectonic Implications of Post-Orogenic Lamprophyres in the Sulu Belt of China. <i>Journal of Earth Science (Wuhan, China)</i> , 2020, 31, 1200-1215.	3.2	11
26	Structural relationships and kinematics of the Neoproterozoic Dengfeng forearc and accretionary complexes, southern North China craton. <i>Bulletin of the Geological Society of America</i> , 2019, 131, 966-996.	3.3	26
27	New insights into the Precambrian tectonic evolution and continental affinity of the Qilian block: Evidence from geochronology and geochemistry of metasedimentary rocks in the North Wulan terrane. <i>Bulletin of the Geological Society of America</i> , 2019, 131, 1723-1743.	3.3	25
28	Age and genesis of the Neoproterozoic Algoma-type banded iron formations from the Dengfeng greenstone belt, southern North China Craton: Geochronological, geochemical and Sm-Nd isotopic constraints. <i>Precambrian Research</i> , 2019, 333, 105437.	2.7	18
29	Geology of a Neoproterozoic suture: Evidence from the Zunhua ophiolitic mélange of the Eastern Hebei Province, North China Craton. <i>Bulletin of the Geological Society of America</i> , 2019, 131, 1943-1964.	3.3	83
30	Ten years of research progress on the structure, tectonic path and Fluid-Melt evolution of the deeply subducted UHP continental crust in the Sulu belt. <i>Acta Geologica Sinica</i> , 2019, 93, 122-123.	1.4	0
31	Petrogenesis and Geotectonic Significance of Early-Neoproterozoic Olivine-Gabbro within the Yangtze Craton: Constrains from the Mineral Composition, U-Pb Age and Hf Isotopes of Zircons. <i>Journal of Earth Science (Wuhan, China)</i> , 2018, 29, 93-102.	3.2	17
32	On the survival of intergranular coesite in UHP eclogite. <i>Journal of Metamorphic Geology</i> , 2018, 36, 173-194.	3.4	26
33	Protracted post-collisional magmatism during plate subduction shutdown in early Paleoproterozoic: Insights from post-collisional granitoid suite in NW China. <i>Gondwana Research</i> , 2018, 55, 92-111.	6.0	24
34	Phase Equilibrium Modeling of UHP Eclogite: a Case Study of Coesite Eclogite at Yangkou Bay, Sulu Belt, Eastern China. <i>Journal of Petrology</i> , 2018, 59, 1253-1280.	2.8	28
35	Fluid generation and evolution during exhumation of deeply subducted UHP continental crust: Petrogenesis of composite granite-quartz veins in the Sulu belt, China. <i>Journal of Metamorphic Geology</i> , 2017, 35, 601-629.	3.4	53
36	Neoproterozoic IAT intrusion into Mesoproterozoic MOR Miaowan Ophiolite, Yangtze Craton: Evidence for evolving tectonic settings. <i>Precambrian Research</i> , 2017, 289, 75-94.	2.7	62

#	ARTICLE	IF	CITATIONS
37	High-Cr chromites from the Late Proterozoic Miaowan Ophiolite Complex, South China: Implications for its tectonic environment of formation. <i>Lithos</i> , 2017, 288-289, 35-54.	1.4	15
38	Petrogenesis and geochemistry of circa 2.5 Ga granitoids in the Zanhuang Massif: Implications for magmatic source and Neoproterozoic metamorphism of the North China Craton. <i>Lithos</i> , 2017, 268-271, 149-162.	1.4	34
39	Structural relationships along a Neoproterozoic arc-continent collision zone, North China craton. <i>Bulletin of the Geological Society of America</i> , 2017, 129, 59-75.	3.3	45
40	Structural Relationships along a Neoproterozoic Arc-Continent Collision Zone, North China Craton. <i>Acta Geologica Sinica</i> , 2016, 90, 242-243.	1.4	2
41	Geochemistry and geochronology of mylonitic metasedimentary rocks associated with the Proterozoic Miaowan Ophiolite Complex, Yangtze craton, China: Implications for geodynamic events. <i>Precambrian Research</i> , 2016, 279, 37-56.	2.7	30
42	Multi-stage barite crystallization in partially melted UHP eclogite from the Sulu belt, China. <i>American Mineralogist</i> , 2016, 101, 564-579.	1.9	26
43	Mesoproterozoic continental breakup in NW China: Evidence from gray gneisses from the North Wulan terrane. <i>Precambrian Research</i> , 2016, 281, 521-536.	2.7	37
44	Water incorporation in garnets from ultrahigh pressure eclogites at Shuanghe, Dabieshan. <i>Mineralogical Magazine</i> , 2016, 80, 959-975.	1.4	11
45	A Neoproterozoic Subduction Polarity Reversal Event in the North China Craton: Evidence from 2.5 Ga Mafic Dikes and Coeval Granites. <i>Acta Geologica Sinica</i> , 2016, 90, 200-200.	1.4	0
46	A Sheeted Dike Complex in the Proterozoic Miaowan Ophiolite Complex on the Northern Yangtze Craton: Recording Seafloor Spreading. <i>Acta Geologica Sinica</i> , 2016, 90, 201-201.	1.4	4
47	Petrogenesis of Late Mesozoic Calc-Alkaline Lamprophyres from Sulu UHP Terrane, Eastern China: Implications to Pale-Pacific Plate Subduction and Destruction of the North China Craton. <i>Acta Geologica Sinica</i> , 2016, 90, 205-205.	1.4	0
48	A 2.5 Ga fore-arc subduction-accretion complex in the Dengfeng Granite-Greenstone Belt, Southern North China Craton. <i>Precambrian Research</i> , 2016, 275, 241-264.	2.7	65
49	Occurrence of gold in hydrothermal pyrite, western Taupo Volcanic Zone, New Zealand. <i>Geodinamica Acta</i> , 2016, 28, 185-198.	2.2	13
50	A Neoproterozoic subduction polarity reversal event in the North China Craton. <i>Lithos</i> , 2015, 220-223, 133-146.	1.4	53
51	A review of structural patterns and melting processes in the Archean craton of West Greenland: Evidence for crustal growth at convergent plate margins as opposed to non-uniformitarian models. <i>Tectonophysics</i> , 2015, 662, 67-94.	2.2	80
52	Partial melting of deeply subducted eclogite from the Sulu orogen in China. <i>Nature Communications</i> , 2014, 5, 5604.	12.8	132
53	Spatial and seasonal variations of nutrients in sediment profiles and their sediment-water fluxes in the Pearl River Estuary, Southern China. <i>Journal of Earth Science (Wuhan, China)</i> , 2014, 25, 197-206.	3.2	28
54	Geochronology, mantle source composition and geodynamic constraints on the origin of Neoproterozoic mafic dikes in the Zanhuang Complex, Central Orogenic Belt, North China Craton. <i>Lithos</i> , 2014, 205, 359-378.	1.4	73

#	ARTICLE	IF	CITATIONS
55	Flat slab subduction, trench suction, and craton destruction: Comparison of the North China, Wyoming, and Brazilian cratons. <i>Tectonophysics</i> , 2014, 630, 208-221.	2.2	199
56	Zircon Hf isotope of Yingfeng Rapakivi granites from the Quanji Massif and ~ 4.7 Ga crustal growth. <i>Journal of Earth Science (Wuhan, China)</i> , 2013, 24, 29-41.	3.2	29
57	Pore water nutrient characteristics and the fluxes across the sediment in the Pearl River estuary and adjacent waters, China. <i>Estuarine, Coastal and Shelf Science</i> , 2013, 133, 182-192.	2.1	78
58	Late Paleoproterozoic multiple metamorphic events in the Quanji Massif: Links with Tarim and North China Cratons and implications for assembly of the Columbia supercontinent. <i>Precambrian Research</i> , 2013, 228, 102-116.	2.7	83
59	A late Archean tectonic mélange in the Central Orogenic Belt, North China Craton. <i>Tectonophysics</i> , 2013, 608, 929-946.	2.2	91
60	Geochemistry of Neoproterozoic mafic volcanic rocks and late mafic dikes in the Zanhuang Complex, Central Orogenic Belt, North China Craton: Implications for geodynamic setting. <i>Lithos</i> , 2013, 175-176, 193-212.	1.4	64
61	Petrofabric and strength of SiO_2 near the quartz-coesite phase boundary. <i>Journal of Metamorphic Geology</i> , 2013, 31, 83-92.	3.4	7
62	New research progress on the pre-Sinian tectonic evolution and neotectonics of the Huangling anticline region, South China. <i>Journal of Earth Science (Wuhan, China)</i> , 2012, 23, 639-647.	3.2	8
63	Granulite facies metamorphic age and tectonic implications of BIFs from the Kongling Group in the northern Huangling anticline. <i>Journal of Earth Science (Wuhan, China)</i> , 2012, 23, 648-658.	3.2	23
64	Discovery of a sheeted dike complex in the northern Yangtze craton and its implications for craton evolution. <i>Journal of Earth Science (Wuhan, China)</i> , 2012, 23, 676-695.	3.2	12
65	Sea-floor metamorphism recorded in epidiosites from the ca. 1.0 Ga Miaowan ophiolite, Huangling anticline, China. <i>Journal of Earth Science (Wuhan, China)</i> , 2012, 23, 696-704.	3.2	15
66	Geological features and deformational ages of the basal thrust belt of the miaowan ophiolite in the southern Huangling anticline and its tectonic implications. <i>Journal of Earth Science (Wuhan, China)</i> , 2012, 23, 705-718.	3.2	8
67	On the role of dual active margin collision for exhuming the world's largest ultrahigh pressure metamorphic belt. <i>Journal of Earth Science (Wuhan, China)</i> , 2012, 23, 802-812.	3.2	3
68	Geology, geochemistry, and geochronology of the Miaowan ophiolite, Yangtze craton: Implications for South China's amalgamation history with the Rodinian supercontinent. <i>Gondwana Research</i> , 2012, 21, 577-594.	6.0	138
69	Early Paleoproterozoic magmatism in the Quanji Massif, northeastern margin of the Qinghai-Tibet Plateau and its tectonic significance: LA-ICPMS U-Pb zircon geochronology and geochemistry. <i>Gondwana Research</i> , 2012, 21, 152-166.	6.0	92
70	Thermochronological constraints on two-stage extrusion of HP/UHP terranes in the Dabie-Sulu orogen, east-central China. <i>Tectonophysics</i> , 2011, 504, 25-42.	2.2	115
71	Application of the modern ophiolite concept with special reference to Precambrian ophiolites. <i>Science China Earth Sciences</i> , 2011, 54, 315-341.	5.2	53
72	Supercontinent cycles, extreme metamorphic processes, and changing fluid regimes. <i>International Geology Review</i> , 2011, 53, 1403-1423.	2.1	23

#	ARTICLE	IF	CITATIONS
73	Focusing seismic energy along faults through time-variable rupture modes: Wenchuan earthquake, China. <i>Journal of Earth Science (Wuhan, China)</i> , 2010, 21, 910-922.	3.2	11
74	Structural geometry of an exhumed UHP terrane in the eastern Sulu Orogen, China: Implications for continental collisional processes. <i>Journal of Structural Geology</i> , 2010, 32, 423-444.	2.3	32
75	Microfabric characteristics and rheological significance of ultra-high-pressure metamorphosed jadeite-quartzite and eclogite from Shuanghe, Dabie Mountains, China. <i>Journal of Metamorphic Geology</i> , 2010, 28, 163-182.	3.4	28
76	Two-stage Triassic exhumation of HP-UHP terranes in the western Dabie orogen of China: Constraints from structural geology. <i>Tectonophysics</i> , 2010, 490, 267-293.	2.2	102
77	Geological evolution of Longhushan World Geopark in relation to global tectonics. <i>Journal of Earth Science (Wuhan, China)</i> , 2010, 21, 1-18.	3.2	24
78	Two-stage collision-related extrusion of the western Dabie HP-UHP metamorphic terranes, central China: Evidence from quartz c-axis fabrics and structures. <i>Gondwana Research</i> , 2009, 16, 294-309.	6.0	74
79	The sources and accumulation rate of sedimentary organic matter in the Pearl River Estuary and adjacent coastal area, Southern China. <i>Estuarine, Coastal and Shelf Science</i> , 2009, 85, 190-196.	2.1	77
80	Environmental geochemical characteristics of Cu in the soil and water in copper-rich deposit area of southeastern Hubei Province, along the middle Yangtze River, Central China. <i>Environmental Pollution</i> , 2009, 157, 2957-2963.	7.5	8
81	Mesozoic tectonics in the Eastern Block of the North China Craton: implications for subduction of the Pacific plate beneath the Eurasian plate. <i>Geological Society Special Publication</i> , 2007, 280, 171-188.	1.3	24
82	Collision leading to multiple-stage large-scale extrusion in the Qinling orogen: Insights from the Mianlue suture. <i>Gondwana Research</i> , 2007, 12, 121-143.	6.0	238
83	Exsolution of ilmenite and Cr-Ti magnetite from olivine of garnet-wehrlite. <i>Science in China Series D: Earth Sciences</i> , 2005, 48, 1368.	0.9	9