

Yaoling Niu

List of Publications by Year in descending order

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230
papers

24,312
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5891

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245
times ranked

6920
citing authors

#	ARTICLE	IF	CITATIONS
1	Petrogenesis of Mesozoic granitoids and volcanic rocks in South China: A response to tectonic evolution. <i>Episodes</i> , 2006, 29, 26-33.	0.8	1,379
2	The Lhasa Terrane: Record of a microcontinent and its histories of drift and growth. <i>Earth and Planetary Science Letters</i> , 2011, 301, 241-255.	1.8	1,096
3	The origin and pre-Cenozoic evolution of the Tibetan Plateau. <i>Gondwana Research</i> , 2013, 23, 1429-1454.	3.0	1,045
4	Bulk-rock Major and Trace Element Compositions of Abyssal Peridotites: Implications for Mantle Melting, Melt Extraction and Post-melting Processes Beneath Mid-Ocean Ridges. <i>Journal of Petrology</i> , 2004, 45, 2423-2458.	1.1	629
5	Temperatures in ambient mantle and plumes: Constraints from basalts, picrites, and komatiites. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, n/a-n/a.	1.0	571
6	Contribution of syncollisional felsic magmatism to continental crust growth: A case study of the Paleogene Linzizong volcanic Succession in southern Tibet. <i>Chemical Geology</i> , 2008, 250, 49-67.	1.4	570
7	Mantle contributions to crustal thickening during continental collision: Evidence from Cenozoic igneous rocks in southern Tibet. <i>Lithos</i> , 2007, 96, 225-242.	0.6	538
8	Tectonics of the North Qilian orogen, NW China. <i>Gondwana Research</i> , 2013, 23, 1378-1401.	3.0	534
9	Mantle Melting and Melt Extraction Processes beneath Ocean Ridges: Evidence from Abyssal Peridotites. <i>Journal of Petrology</i> , 1997, 38, 1047-1074.	1.1	466
10	A long in situ section of the lower ocean crust: results of ODP Leg 176 drilling at the Southwest Indian Ridge. <i>Earth and Planetary Science Letters</i> , 2000, 179, 31-51.	1.8	456
11	Lhasa terrane in southern Tibet came from Australia. <i>Geology</i> , 2011, 39, 727-730.	2.0	430
12	Geochemical and Sr ⁸⁷ /Nd ¹⁴³ /Pb ²⁰⁷ /O isotopic compositions of the post-collisional ultrapotassic magmatism in SW Tibet: Petrogenesis and implications for India intra-continental subduction beneath southern Tibet. <i>Lithos</i> , 2009, 113, 190-212.	0.6	388
13	Evolution from Oceanic Subduction to Continental Collision: a Case Study from the Northern Tibetan Plateau Based on Geochemical and Geochronological Data. <i>Journal of Petrology</i> , 2006, 47, 435-455.	1.1	379
14	Trace element evidence from seamounts for recycled oceanic crust in the Eastern Pacific mantle. <i>Earth and Planetary Science Letters</i> , 1997, 148, 471-483.	1.8	369
15	Geochemical investigation of Early Cretaceous igneous rocks along an east-west traverse throughout the central Lhasa Terrane, Tibet. <i>Chemical Geology</i> , 2009, 268, 298-312.	1.4	367
16	Continental orogenesis from ocean subduction, continent collision/subduction, to orogen collapse, and orogen recycling: The example of the North Qaidam UHPM belt, NW China. <i>Earth-Science Reviews</i> , 2014, 129, 59-84.	4.0	345
17	Magmatic record of India-Asia collision. <i>Scientific Reports</i> , 2015, 5, 14289.	1.6	316
18	Origin of ocean island basalts: A new perspective from petrology, geochemistry, and mineral physics considerations. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	304

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19	Cambrian bimodal volcanism in the Lhasa Terrane, southern Tibet: Record of an early Paleozoic Andean-type magmatic arc in the Australian proto-Tethyan margin. <i>Chemical Geology</i> , 2012, 328, 290-308.	1.4	288
20	Geochronology of diamond-bearing zircons from garnet peridotite in the North Qaidam UHPM belt, Northern Tibetan Plateau: A record of complex histories from oceanic lithosphere subduction to continental collision. <i>Earth and Planetary Science Letters</i> , 2005, 234, 99-118.	1.8	261
21	Continental collision zones are primary sites for net continental crust growth – A testable hypothesis. <i>Earth-Science Reviews</i> , 2013, 127, 96-110.	4.0	245
22	Geochemistry of near-EPR seamounts: importance of source vs. process and the origin of enriched mantle component. <i>Earth and Planetary Science Letters</i> , 2002, 199, 327-345.	1.8	230
23	An empirical method for calculating melt compositions produced beneath mid-ocean ridges: Application for axis and off-axis (seamounts) melting. <i>Journal of Geophysical Research</i> , 1991, 96, 21753-21777.	3.3	224
24	Petrogenesis and tectonic significance of a Mesozoic granite-syenite-gabbro association from inland South China. <i>Lithos</i> , 2010, 119, 621-641.	0.6	221
25	Origin of enriched-type mid-ocean ridge basalt at ridges far from mantle plumes: The East Pacific Rise at 11°20'N. <i>Journal of Geophysical Research</i> , 1999, 104, 7067-7087.	3.3	220
26	The 132 Ma Comei-Bunbury large igneous province: Remnants identified in present-day southeastern Tibet and southwestern Australia. <i>Geology</i> , 2009, 37, 583-586.	2.0	219
27	The Origin of Intra-plate Ocean Island Basalts (OIB): the Lid Effect and its Geodynamic Implications. <i>Journal of Petrology</i> , 2011, 52, 1443-1468.	1.1	208
28	Spreading-rate dependence of the extent of mantle melting beneath ocean ridges. <i>Nature</i> , 1997, 385, 326-329.	13.7	202
29	Initiation of Subduction Zones as a Consequence of Lateral Compositional Buoyancy Contrast within the Lithosphere: a Petrological Perspective. <i>Journal of Petrology</i> , 2003, 44, 851-866.	1.1	201
30	Ophiolites in the Xing'an-Inner Mongolia accretionary belt of the CAOB: Implications for two cycles of seafloor spreading and accretionary orogenic events. <i>Tectonics</i> , 2015, 34, 2221-2248.	1.3	197
31	Tracing the 850-Ma continental flood basalts from a piece of subducted continental crust in the North Qaidam UHPM belt, NW China. <i>Precambrian Research</i> , 2010, 183, 805-816.	1.2	193
32	Lithium isotope evidence for subduction-enriched mantle in the source of mid-ocean-ridge basalts. <i>Nature</i> , 2006, 443, 565-568.	13.7	192
33	The lithium isotopic composition of orogenic eclogites and deep subducted slabs. <i>Earth and Planetary Science Letters</i> , 2007, 262, 563-580.	1.8	192
34	Grenville-age orogenesis in the Qaidam-Qilian block: The link between South China and Tarim. <i>Precambrian Research</i> , 2012, 220-221, 9-22.	1.2	190
35	Direct geological evidence for oceanic detachment faulting: The Mid-Atlantic Ridge, 15°45'N. <i>Geology</i> , 2002, 30, 879.	2.0	188
36	Geochemical constraints on the petrogenesis of granitoids in the East Kunlun Orogenic belt, northern Tibetan Plateau: Implications for continental crust growth through syn-collisional felsic magmatism. <i>Chemical Geology</i> , 2014, 370, 1-18.	1.4	188

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37	Postcollisional potassic and ultrapotassic rocks in southern Tibet: Mantle and crustal origins in response to India-Asia collision and convergence. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 143, 207-231.	1.6	187
38	Ultra-deep origin of garnet peridotite from the North Qaidam ultrahigh-pressure belt, Northern Tibetan Plateau, NW China. <i>American Mineralogist</i> , 2004, 89, 1330-1336.	0.9	186
39	The origin of abyssal peridotites: a new perspective. <i>Earth and Planetary Science Letters</i> , 1997, 152, 251-265.	1.8	185
40	Basaltic liquids and harzburgitic residues in the Garrett Transform: a case study at fast-spreading ridges. <i>Earth and Planetary Science Letters</i> , 1997, 146, 243-258.	1.8	179
41	Global Correlations of Ocean Ridge Basalt Chemistry with Axial Depth: a New Perspective. <i>Journal of Petrology</i> , 2008, 49, 633-664.	1.1	178
42	The subducted oceanic crust within continental-type UHP metamorphic belt in the North Qaidam, NW China: Evidence from petrology, geochemistry and geochronology. <i>Lithos</i> , 2008, 104, 99-118.	0.6	177
43	Metamorphism, anatexis, zircon ages and tectonic evolution of the Gongshan block in the northern Indochina continent- An eastern extension of the Lhasa Block. <i>Lithos</i> , 2010, 120, 327-346.	0.6	172
44	A possible model for the lithospheric thinning of North China Craton: Evidence from the Yanshanian (Jura-Cretaceous) magmatism and tectonism. <i>Lithos</i> , 2007, 96, 22-35.	0.6	171
45	Geochemistry of TTG and TTG-like gneisses from Lushan-Taihua complex in the southern North China Craton: Implications for late Archean crustal accretion. <i>Precambrian Research</i> , 2010, 182, 43-56.	1.2	170
46	MORB mantle hosts the missing Eu (Sr, Nb, Ta and Ti) in the continental crust: New perspectives on crustal growth, crust-mantle differentiation and chemical structure of oceanic upper mantle. <i>Lithos</i> , 2009, 112, 1-17.	0.6	167
47	Presence of Permian extension- and arc-type magmatism in southern Tibet: Paleogeographic implications. <i>Bulletin of the Geological Society of America</i> , 2010, 122, 979-993.	1.6	167
48	The geochemical consequences of late-stage low-grade alteration of lower ocean crust at the SW Indian Ridge: results from ODP Hole 735B (Leg 176). <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 3267-3287.	1.6	159
49	Mantle source heterogeneity and melting processes beneath seafloor spreading centers: The East Pacific Rise, 18°-19°S. <i>Journal of Geophysical Research</i> , 1996, 101, 27711-27733.	3.3	154
50	On the composition of ocean island basalts (OIB): The effects of lithospheric thickness variation and mantle metasomatism. <i>Lithos</i> , 2009, 112, 118-136.	0.6	154
51	Eclogite and carpholite-bearing metasedimentary rocks in the North Qilian suture zone, NW China: implications for Early Palaeozoic cold oceanic subduction and water transport into mantle. <i>Journal of Metamorphic Geology</i> , 2007, 25, 547-563.	1.6	150
52	Variations in the geochemistry of magmatism on the East Pacific Rise at 10°30'N since 800 ka. <i>Earth and Planetary Science Letters</i> , 1999, 168, 45-63.	1.8	144
53	Petrology and magma chamber processes at the East Pacific Rise at 9°30'N. <i>Journal of Geophysical Research</i> , 1992, 97, 6779-6797.	3.3	143
54	The terrestrial uranium isotope cycle. <i>Nature</i> , 2015, 517, 356-359.	13.7	142

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55	Zircon U-Pb dating and in-situ Hf isotopic analysis of Permian peraluminous granite in the Lhasa terrane, southern Tibet: Implications for Permian collisional orogeny and paleogeography. <i>Tectonophysics</i> , 2009, 469, 48-60.	0.9	138
56	Tholeiite-Boninite terrane in the North Qilian suture zone: Implications for subduction initiation and back-arc basin development. <i>Chemical Geology</i> , 2012, 328, 259-277.	1.4	136
57	Petrogenesis of highly fractionated I-type granites in the Zayu area of eastern Gangdese, Tibet: Constraints from zircon U-Pb geochronology, geochemistry and Sr-Nd-Hf isotopes. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 1223-1239.	0.9	135
58	Tectonic evolution of early Paleozoic HP metamorphic rocks in the North Qilian Mountains, NW China: New perspectives. <i>Journal of Asian Earth Sciences</i> , 2009, 35, 334-353.	1.0	130
59	Exotic origin of the Chinese continental shelf: new insights into the tectonic evolution of the western Pacific and eastern China since the Mesozoic. <i>Science Bulletin</i> , 2015, 60, 1598-1616.	4.3	128
60	Melting of continental crust during subduction initiation: A case study from the Chaidanuo peraluminous granite in the North Qilian suture zone. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 132, 311-336.	1.6	126
61	CH ₄ inclusions in orogenic harzburgite: Evidence for reduced slab fluids and implication for redox melting in mantle wedge. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 1737-1754.	1.6	125
62	Neoproterozoic amalgamation between Yangtze and Cathaysia blocks: The magmatism in various tectonic settings and continent-arc-continent collision. <i>Precambrian Research</i> , 2018, 309, 56-87.	1.2	123
63	Mineralogical and Geochemical Constraints on the Petrogenesis of Post-collisional Potassic and Ultrapotassic Rocks from Western Yunnan, SW China. <i>Journal of Petrology</i> , 2010, 51, 1617-1654.	1.1	120
64	HP-UHP Metamorphic Belt in the East Kunlun Orogen: Final Closure of the Proto-Tethys Ocean and Formation of the Pan-North-China Continent. <i>Journal of Petrology</i> , 2018, 59, 2043-2060.	1.1	119
65	Two-component mantle melting-mixing model for the generation of mid-ocean ridge basalts: Implications for the volatile content of the Pacific upper mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 176, 44-80.	1.6	116
66	Adakitic (tonalitic-trondhjemitic) magmas resulting from eclogite decompression and dehydration melting during exhumation in response to continental collision. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 130, 42-62.	1.6	112
67	Geochemistry of lavas from the Garrett Transform Fault: insights into mantle heterogeneity beneath the eastern Pacific. <i>Earth and Planetary Science Letters</i> , 1999, 173, 271-284.	1.8	109
68	The nature and history of the Qilian Block in the context of the development of the Greater Tibetan Plateau. <i>Gondwana Research</i> , 2015, 28, 209-224.	3.0	104
69	Geological understanding of plate tectonics: Basic concepts, illustrations, examples and new perspectives. <i>Global Tectonics and Metallogeny</i> , 2018, 10, 23-46.	0.9	99
70	Zircon U-Pb SHRIMP ages of eclogites from the North Qilian Mountains in NW China and their tectonic implication. <i>Science Bulletin</i> , 2004, 49, 848-852.	1.7	98
71	UHP metamorphic evolution and SHRIMP geochronology of a coesite-bearing meta-ophiolitic gabbro in the North Qaidam, NW China. <i>Journal of Asian Earth Sciences</i> , 2009, 35, 310-322.	1.0	98
72	Magmatism during continental collision, subduction, exhumation and mountain collapse in collisional orogenic belts and continental net growth: A perspective. <i>Science China Earth Sciences</i> , 2015, 58, 1284-1304.	2.3	97

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73	Qi-Qin Accretionary Belt in Central China Orogen: accretion by trench jam of oceanic plateau and formation of intra-oceanic arc in the Early Paleozoic Qin-Qi-Kun Ocean. <i>Science Bulletin</i> , 2017, 62, 1035-1038.	4.3	95
74	Chemical variation trends at fast and slow spreading mid-ocean ridges. <i>Journal of Geophysical Research</i> , 1993, 98, 7887-7902.	3.3	93
75	Petrogenesis of Triassic granitoids in the East Kunlun Orogenic Belt, northern Tibetan Plateau and their tectonic implications. <i>Lithos</i> , 2017, 282-283, 33-44.	0.6	90
76	Mantle compositional control on the extent of mantle melting, crust production, gravity anomaly, ridge morphology, and ridge segmentation: a case study at the Mid-Atlantic Ridge 33°-35°N. <i>Earth and Planetary Science Letters</i> , 2001, 186, 383-399.	1.8	89
77	Geochronology and geochemistry of the Early Jurassic Yeba Formation volcanic rocks in southern Tibet: Initiation of back-arc rifting and crustal accretion in the southern Lhasa Terrane. <i>Lithos</i> , 2017, 278-281, 477-490.	0.6	89
78	Sodic amphibole exolutions in garnet from garnet-peridotite, North Qaidam UHPM belt, NW China: Implications for ultradeep-origin and hydroxyl defects in mantle garnets. <i>American Mineralogist</i> , 2005, 90, 814-820.	0.9	88
79	Petrogenesis and tectonic significance of the late Triassic mafic dikes and felsic volcanic rocks in the East Kunlun Orogenic Belt, Northern Tibet Plateau. <i>Lithos</i> , 2016, 245, 205-222.	0.6	88
80	Zircon xenocrysts in Tibetan ultrapotassic magmas: Imaging the deep crust through time. <i>Geology</i> , 2014, 42, 43-46.	2.0	85
81	UHP metamorphic evolution of coesite-bearing eclogite from the Yuka terrane, North Qaidam UHPM belt, NW China. <i>European Journal of Mineralogy</i> , 2010, 21, 1287-1300.	0.4	82
82	Identifying mantle carbonatite metasomatism through Os-Sr-Mg isotopes in Tibetan ultrapotassic rocks. <i>Earth and Planetary Science Letters</i> , 2015, 430, 458-469.	1.8	82
83	Post-collisional magmatism: Consequences of UHPM terrane exhumation and orogen collapse, N. Qaidam UHPM belt, NW China. <i>Lithos</i> , 2014, 210-211, 181-198.	0.6	79
84	The 600-580Ma continental rift basalts in North Qilian Shan, northwest China: Links between the Qilian-Qaidam block and SE Australia, and the reconstruction of East Gondwana. <i>Precambrian Research</i> , 2015, 257, 47-64.	1.2	79
85	Geochronology and geochemistry of Cenozoic basalts from eastern Guangdong, SE China: constraints on the lithosphere evolution beneath the northern margin of the South China Sea. <i>Contributions To Mineralogy and Petrology</i> , 2013, 165, 437-455.	1.2	77
86	The syncollisional granitoid magmatism and continental crust growth in the West Kunlun Orogen, China: Evidence from geochronology and geochemistry of the Arkarz pluton. <i>Lithos</i> , 2016, 245, 191-204.	0.6	74
87	Mantle Melting and Melt Extraction Processes beneath Ocean Ridges: Evidence from Abyssal Peridotites. , 0, .		73
88	Magmatic processes at a slow spreading ridge segment: 26°S Mid-Atlantic Ridge. <i>Journal of Geophysical Research</i> , 1994, 99, 19719-19740.	3.3	72
89	Syn-collisional adakitic granodiorites formed by fractional crystallization: Insights from their enclosed mafic magmatic enclaves (MMEs) in the Qumushan pluton, North Qilian Orogen at the northern margin of the Tibetan Plateau. <i>Lithos</i> , 2016, 248-251, 455-468.	0.6	72
90	Petrological and geochemical constraints on the origin of garnet peridotite in the North Qaidam ultrahigh-pressure metamorphic belt, northwestern China. <i>Lithos</i> , 2007, 96, 243-265.	0.6	71

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91	The Origin of Alkaline Lavas. <i>Science</i> , 2008, 320, 883-884.	6.0	71
92	Simple and cost-effective methods for precise analysis of trace element abundances in geological materials with ICP-MS. <i>Science Bulletin</i> , 2017, 62, 277-289.	4.3	71
93	Lithosphere thinning beneath west North China Craton: Evidence from geochemical and Sr-Nd-Hf isotope compositions of Jining basalts. <i>Lithos</i> , 2014, 202-203, 37-54.	0.6	69
94	The stable vanadium isotope composition of the mantle and mafic lavas. <i>Earth and Planetary Science Letters</i> , 2013, 365, 177-189.	1.8	68
95	Basalts and picrites from a plume-type ophiolite in the South Qilian Accretionary Belt, Qilian Orogen: Accretion of a Cambrian Oceanic Plateau?. <i>Lithos</i> , 2017, 278-281, 97-110.	0.6	68
96	A trace element perspective on the source of ocean island basalts (OIB) and fate of subducted ocean crust (SOC) and mantle lithosphere (SML). <i>Episodes</i> , 2012, 35, 310-327.	0.8	68
97	Some basic concepts and problems on the petrogenesis of intra-plate ocean island basalts. <i>Science Bulletin</i> , 2009, 54, 4148-4160.	1.7	67
98	Sr, Nd and Pb isotopic variation along the Pacific-Antarctic rise crest, 53°-57°S: Implications for the composition and dynamics of the South Pacific upper mantle. <i>Earth and Planetary Science Letters</i> , 1998, 154, 109-125.	1.8	66
99	In Situ Densities of Morb Melts and Residual Mantle: Implications for Buoyancy Forces beneath Mid-Ocean Ridges. <i>Journal of Geology</i> , 1991, 99, 767-775.	0.7	65
100	Molybdenum systematics of subducted crust record reactive fluid flow from underlying slab serpentine dehydration. <i>Nature Communications</i> , 2019, 10, 4773.	5.8	63
101	Mantle input to the crust in Southern Gangdese, Tibet, during the Cenozoic: Zircon Hf isotopic evidence. <i>Journal of Earth Science (Wuhan, China)</i> , 2009, 20, 241-249.	1.1	61
102	The origin of Cenozoic basalts from central Inner Mongolia, East China: The consequence of recent mantle metasomatism genetically associated with seismically observed paleo-Pacific slab in the mantle transition zone. <i>Lithos</i> , 2016, 240-243, 104-118.	0.6	60
103	Lithosphere thickness controls the extent of mantle melting, depth of melt extraction and basalt compositions in all tectonic settings on Earth – A review and new perspectives. <i>Earth-Science Reviews</i> , 2021, 217, 103614.	4.0	59
104	Chemistry of seamounts near the East Pacific Rise: Implications for the geometry of subaxial mantle flow. <i>Geology</i> , 1990, 18, 1122.	2.0	58
105	Shallow origin for South Atlantic Dupal Anomaly from lower continental crust: Geochemical evidence from the Mid-Atlantic Ridge at 26°S. <i>Lithos</i> , 2009, 112, 57-72.	0.6	58
106	Magmatism in the Garrett transform fault (East Pacific Rise near 13°27'S). <i>Journal of Geophysical Research</i> , 1995, 100, 10163-10185.	3.3	57
107	An 850-820 Ma LIP dismembered during breakup of the Rodinia supercontinent and destroyed by Early Paleozoic continental subduction in the northern Tibetan Plateau, NW China. <i>Precambrian Research</i> , 2016, 282, 52-73.	1.2	57
108	Mesozoic-Cenozoic mantle evolution beneath the North China Craton: A new perspective from Hf-Nd isotopes of basalts. <i>Gondwana Research</i> , 2015, 27, 1574-1585.	3.0	54

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109	Variation of mineral composition, fabric and oxygen fugacity from massive to foliated eclogites during exhumation of subducted ocean crust in the North Qilian suture zone, NW China. <i>Journal of Metamorphic Geology</i> , 2011, 29, 699-720.	1.6	51
110	On the origin of mafic magmatic enclaves (MMEs) in syn-collisional granitoids: evidence from the Baojishan pluton in the North Qilian Orogen, China. <i>Mineralogy and Petrology</i> , 2015, 109, 577-596.	0.4	50
111	The petrological control on the lithosphere-asthenosphere boundary (LAB) beneath ocean basins. <i>Earth-Science Reviews</i> , 2018, 185, 301-307.	4.0	49
112	Elemental responses to subduction-zone metamorphism: Constraints from the North Qilian Mountain, NW China. <i>Lithos</i> , 2013, 160-161, 55-67.	0.6	48
113	Geochronology and geochemistry of Late Cretaceous–Paleocene granitoids in the Sikhote-Alin Orogenic Belt: Petrogenesis and implications for the oblique subduction of the paleo-Pacific plate. <i>Lithos</i> , 2016, 266-267, 202-212.	0.6	47
114	Two types of peridotite in North Qaidam UHPM belt and their tectonic implications for oceanic and continental subduction: A review. <i>Journal of Asian Earth Sciences</i> , 2009, 35, 285-297.	1.0	46
115	U-Th-Ra disequilibria and the extent of off-axis volcanism across the East Pacific Rise at 9°30'N, 10°30'N, and 11°20'N. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	1.0	45
116	Heterogeneous Oceanic Arc Volcanic Rocks in the South Qilian Accretionary Belt (Qilian Orogen, NW) <i>Tectonophysics</i> , 2010, 495, 1-11.	1.1	45
117	Highly refractory peridotites in Songshugou, Qinling orogen: Insights into partial melting and melt/fluid–rock reactions in forearc mantle. <i>Lithos</i> , 2016, 252-253, 234-254.	0.6	44
118	The Luliangshan garnet peridotite massif of the North Qaidam UHPM belt, NW China – a review of its origin and metamorphic evolution. <i>Journal of Metamorphic Geology</i> , 2009, 27, 621-638.	1.6	43
119	Trace-element transport during subduction-zone ultrahigh-pressure metamorphism: Evidence from western Tianshan, China. <i>Bulletin of the Geological Society of America</i> , 2012, 124, 1113-1129.	1.6	42
120	Trace element behavior and P - T evolution during partial melting of exhumed eclogite in the North Qaidam UHPM belt (NW China): Implications for adakite genesis. <i>Lithos</i> , 2015, 226, 65-80.	0.6	42
121	Petrological, geochemical and geochronological evidence for a Neoproterozoic ocean basin recorded in the Marlborough terrane of the northern New England Fold Belt. <i>Australian Journal of Earth Sciences</i> , 2000, 47, 1053-1064.	0.4	41
122	DENSCAL: Program for calculating densities of silicate melts and mantle minerals as a function of pressure, temperature, and composition in melting range. <i>Computers and Geosciences</i> , 1991, 17, 679-687.	2.0	40
123	Chemical and stable isotopic constraints on the nature and origin of volatiles in the sub-continental lithospheric mantle beneath eastern China. <i>Lithos</i> , 2007, 96, 55-66.	0.6	40
124	TTC and Potassic Granitoids in the Eastern North China Craton: Making Neoproterozoic Upper Continental Crust during Micro-continental Collision and Post-collisional Extension. <i>Journal of Petrology</i> , 2016, 57, 1775-1810.	1.1	40
125	Syn-collisional granitoids in the Qilian Block on the Northern Tibetan Plateau: A long-lasting magmatism since continental collision through slab steepening. <i>Lithos</i> , 2016, 246-247, 99-109.	0.6	40
126	Lithosphere thickness controls continental basalt compositions: An illustration using Cenozoic basalts from eastern China. <i>Geology</i> , 2020, 48, 128-133.	2.0	40

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127	Late Palaeozoic Ultramafic Lavas in Yunnan, SW China, and their Geodynamic Significance. <i>Journal of Petrology</i> , 2003, 44, 141-158.	1.1	38
128	Elemental and Sr- ⁸⁷ Sr/ ⁸⁶ Sr and Pb isotope geochemistry of the Cenozoic basalts in Southeast China: Insights into their mantle sources and melting processes. <i>Lithos</i> , 2017, 272-273, 16-30.	0.6	37
129	Constraints on Melt Movement Beneath the East Pacific Rise From ²³⁰ Th- ²³⁸ U Disequilibrium. <i>Science</i> , 2002, 295, 107-110.	6.0	36
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