Yaoling Niu

List of Publications by Year
in descending order

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		5896	7518
231	24,312	81	151
papers	citations	h-index	g-index

245	245	245	6920
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Petrogenesis of Mesozoic granitoids and volcanic rocks in South China: A response to tectonic evolution. Episodes, 2006, 29, 26-33.	1.2	1,379
2	The Lhasa Terrane: Record of a microcontinent and its histories of drift and growth. Earth and Planetary Science Letters, 2011, 301, 241-255.	4.4	1,096
3	The origin and pre-Cenozoic evolution of the Tibetan Plateau. Gondwana Research, 2013, 23, 1429-1454.	6.0	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. Journal of Petrology, 2004, 45, 2423-2458.	2.8	629
5	Temperatures in ambient mantle and plumes: Constraints from basalts, picrites, and komatiites. Geochemistry, Geophysics, Geosystems, 2007, 8, n/a-n/a.	2.5	571
6	Contribution of syncollisional felsic magmatism to continental crust growth: A case study of the Paleogene Linzizong volcanic Succession in southern Tibet. Chemical Geology, 2008, 250, 49-67.	3.3	570
7	Mantle contributions to crustal thickening during continental collision: Evidence from Cenozoic igneous rocks in southern Tibet. Lithos, 2007, 96, 225-242.	1.4	538
8	Tectonics of the North Qilian orogen, NW China. Gondwana Research, 2013, 23, 1378-1401.	6.0	534
9	Mantle Melting and Melt Extraction Processes beneath Ocean Ridges: Evidence from Abyssal Peridotites. Journal of Petrology, 1997, 38, 1047-1074.	2.8	466
10	A long in situ section of the lower ocean crust: results of ODP Leg 176 drilling at the Southwest Indian Ridge. Earth and Planetary Science Letters, 2000, 179, 31-51.	4.4	456
11	Lhasa terrane in southern Tibet came from Australia. Geology, 2011, 39, 727-730.	4.4	430
12	Geochemical and Srâ€“Ndâ€“Pbâ€“O isotopic compositions of the post-collisional ultrapotassic magmatism in SW Tibet: Petrogenesis and implications for India intra-continental subduction beneath southern Tibet. Lithos, 2009, 113, 190-212.	1.4	388
13	Evolution from Oceanic Subduction to Continental Collision: a Case Study from the Northern Tibetan Plateau Based on Geochemical and Geochronological Data. Journal of Petrology, 2006, 47, 435-455.	2.8	379
14	Trace element evidence from seamounts for recycled oceanic crust in the Eastern Pacific mantle. Earth and Planetary Science Letters, 1997, 148, 471-483.	4.4	369
15	Geochemical investigation of Early Cretaceous igneous rocks along an eastâ€“west traverse throughout the central Lhasa Terrane, Tibet. Chemical Geology, 2009, 268, 298-312.	3.3	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. Earth-Science Reviews, 2014, 129, 59-84.	9.1	345
17	Magmatic record of India-Asia collision. Scientific Reports, 2015, 5, 14289.	3.3	316
18	Origin of ocean island basalts: A new perspective from petrology, geochemistry, and mineral physics considerations. Journal of Geophysical Research, 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. Chemical Geology, 2012, 328, 290-308.	3.3	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. Earth and Planetary Science Letters, 2005, 234, 99-118.	4.4	261
21	Continental collision zones are primary sites for net continental crust growth â€" A testable hypothesis. Earth-Science Reviews, 2013, 127, 96-110.	9.1	245
22	Geochemistry of near-EPR seamounts: importance of source vs. process and the origin of enriched mantle component. Earth and Planetary Science Letters, 2002, 199, 327-345.	4.4	230
23	An empirical method for calculating melt compositions produced beneath midâ€ocean ridges: Application for axis and offâ€axis (seamounts) melting. Journal of Geophysical Research, 1991, 96, 21753-21777.	3.3	224
24	Petrogenesis and tectonic significance of a Mesozoic graniteâ€“syeniteâ€“gabbro association from inland South China. Lithos, 2010, 119, 621-641.	1.4	221
25	Origin of enriched-type mid-ocean ridge basalt at ridges far from mantle plumes: The East Pacific Rise at 11Â°20â€²N. Journal of Geophysical Research, 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. Geology, 2009, 37, 583-586.	4.4	219
27	The Origin of Intra-plate Ocean Island Basalts (OIB): the Lid Effect and its Geodynamic Implications. Journal of Petrology, 2011, 52, 1443-1468.	2.8	208
28	Spreading-rate dependence of the extent of mantle melting beneath ocean ridges. Nature, 1997, 385, 326-329.	27.8	202
29	Initiation of Subduction Zones as a Consequence of Lateral Compositional Buoyancy Contrast within the Lithosphere: a Petrological Perspective. Journal of Petrology, 2003, 44, 851-866.	2.8	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. Tectonics, 2015, 34, 2221-2248.	2.8	197
31	Tracing the 850-Ma continental flood basalts from a piece of subducted continental crust in the North Qaidam UHPM belt, NW China. Precambrian Research, 2010, 183, 805-816.	2.7	193
32	Lithium isotope evidence for subduction-enriched mantle in the source of mid-ocean-ridge basalts. Nature, 2006, 443, 565-568.	27.8	192
33	The lithium isotopic composition of orogenic eclogites and deep subducted slabs. Earth and Planetary Science Letters, 2007, 262, 563-580.	4.4	192
34	Grenville-age orogenesis in the Qaidam-Qilian block: The link between South China and Tarim. Precambrian Research, 2012, 220-221, 9-22.	2.7	190
35	Direct geological evidence for oceanic detachment faulting: The Mid-Atlantic Ridge, 15Â°45â€²N. Geology, 2002, 30, 879.	4.4	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. Chemical Geology, 2014, 370, 1-18.	3.3	188

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37	Postcollisional potassic and ultrapotassic rocks in southern Tibet: Mantle and crustal origins in response to Indiaâ€“Asia collision and convergence. Geochimica Et Cosmochimica Acta, 2014, 143, 207-231.	3.9	187
38	Ultra-deep origin of garnet peridotite from the North Qaidam ultrahigh-pressure belt, Northern Tibetan Plateau, NW China. American Mineralogist, 2004, 89, 1330-1336.	1.9	186
39	The origin of abyssal peridotites: a new perspective. Earth and Planetary Science Letters, 1997, 152, 251-265.	4.4	185
40	Basaltic liquids and harzburgitic residues in the Garrett Transform: a case study at fast-spreading ridges. Earth and Planetary Science Letters, 1997, 146, 243-258.	4.4	179
41	Global Correlations of Ocean Ridge Basalt Chemistry with Axial Depth: a New Perspective. Journal of Petrology, 2008, 49, 633-664.	2.8	178
42	The subducted oceanic crust within continental-type UHP metamorphic belt in the North Qaidam, NW China: Evidence from petrology, geochemistry and geochronology. Lithos, 2008, 104, 99-118.	1.4	177
43	Metamorphism, anatexis, zircon ages and tectonic evolution of the Gongshan block in the northern Indochina continentâ€”An eastern extension of the Lhasa Block. Lithos, 2010, 120, 327-346.	1.4	172
44	A possible model for the lithospheric thinning of North China Craton: Evidence from the Yanshanian (Jura-Cretaceous) magmatism and tectonism. Lithos, 2007, 96, 22-35.	1.4	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. Precambrian Research, 2010, 182, 43-56.	2.7	170
46	MORB mantle hosts the missing Eu (Sr, Nb, Ta and Ti) in the continental crust: New perspectives on crustal growth, crustâ€“mantle differentiation and chemical structure of oceanic upper mantle. Lithos, 2009, 112, 1-17.	1.4	167
47	Presence of Permian extension- and arc-type magmatism in southern Tibet: Paleogeographic implications. Bulletin of the Geological Society of America, 2010, 122, 979-993.	3.3	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). Geochimica Et Cosmochimica Acta, 2001, 65, 3267-3287.	3.9	159
49	Mantle source heterogeneity and melting processes beneath seafloor spreading centers: The East Pacific Rise, 18Â°-19Â°S. Journal of Geophysical Research, 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. Lithos, 2009, 112, 118-136.	1.4	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. Journal of Metamorphic Geology, 2007, 25, 547-563.	3.4	150
52	Variations in the geochemistry of magmatism on the East Pacific Rise at 10Â°30â€²N since 800 ka. Earth and Planetary Science Letters, 1999, 168, 45-63.	4.4	144
53	Petrology and magma chamber processes at the East Pacific Rise â¼ 9Â°30â€²N. Journal of Geophysical Research, 1992, 97, 6779-6797.	3.3	143
54	The terrestrial uranium isotope cycle. Nature, 2015, 517, 356-359.	27.8	142

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55	Zircon Uâ€“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. Tectonophysics, 2009, 469, 48-60.	2.2	138
56	Tholeiiteâ€“Boninite terrane in the North Qilian suture zone: Implications for subduction initiation and back-arc basin development. Chemical Geology, 2012, 328, 259-277.	3.3	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. Science in China Series D: Earth Sciences, 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. Journal of Asian Earth Sciences, 2009, 35, 334-353.	2.3	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. Science Bulletin, 2015, 60, 1598-1616.	9.0	128
60	Melting of continental crust during subduction initiation: A case study from the Chaidanuo peraluminous granite in the North Qilian suture zone. Geochimica Et Cosmochimica Acta, 2014, 132, 311-336.	3.9	126
61	CH4 inclusions in orogenic harzburgite: Evidence for reduced slab fluids and implication for redox melting in mantle wedge. Geochimica Et Cosmochimica Acta, 2009, 73, 1737-1754.	3.9	125
62	Neoproterozoic amalgamation between Yangtze and Cathaysia blocks: The magmatism in various tectonic settings and continent-arc-continent collision. Precambrian Research, 2018, 309, 56-87.	2.7	123
63	Mineralogical and Geochemical Constraints on the Petrogenesis of Post-collisional Potassic and Ultrapotassic Rocks from Western Yunnan, SW China. Journal of Petrology, 2010, 51, 1617-1654.	2.8	120
64	HPâ€“UHP Metamorphic Belt in the East Kunlun Orogen: Final Closure of the Proto-Tethys Ocean and Formation of the Pan-North-China Continent. Journal of Petrology, 2018, 59, 2043-2060.	2.8	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. Geochimica Et Cosmochimica Acta, 2016, 176, 44-80.	3.9	116
66	Adakitic (tonalitic-trondhjemitic) magmas resulting from eclogite decompression and dehydration melting during exhumation in response to continental collision. Geochimica Et Cosmochimica Acta, 2014, 130, 42-62.	3.9	112
67	Geochemistry of lavas from the Garrett Transform Fault: insights into mantle heterogeneity beneath the eastern Pacific. Earth and Planetary Science Letters, 1999, 173, 271-284.	4.4	109
68	The nature and history of the Qilian Block in the context of the development of the Greater Tibetan Plateau. Gondwana Research, 2015, 28, 209-224.	6.0	104
69	Geological understanding of plate tectonics: Basic concepts, illustrations, examples and new perspectives. Global Tectonics and Metallogeny, 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. Science Bulletin, 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. Journal of Asian Earth Sciences, 2009, 35, 310-322.	2.3	98
72	Magmatism during continental collision, subduction, exhumation and mountain collapse in collisional orogenic belts and continental net growth: A perspective. Science China Earth Sciences, 2015, 58, 1284-1304.	5.2	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. Science Bulletin, 2017, 62, 1035-1038.	9.0	95
74	Chemical variation trends at fast and slow spreading midâ€ocean ridges. Journal of Geophysical Research, 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. Lithos, 2017, 282-283, 33-44.	1.4	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 33â€“35Â°N. Earth and Planetary Science Letters, 2001, 186, 383-399.	4.4	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. Lithos, 2017, 278-281, 477-490.	1.4	89
78	Sodic amphibole exsolutions in garnet from garnet-peridotite, North Qaidam UHPM belt, NW China: Implications for ultradeep-origin and hydroxyl defects in mantle garnets. American Mineralogist, 2005, 90, 814-820.	1.9	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. Lithos, 2016, 245, 205-222.	1.4	88
80	Zircon xenocrysts in Tibetan ultrapotassic magmas: Imaging the deep crust through time. Geology, 2014, 42, 43-46.	4.4	85
81	UHP metamorphic evolution of coesite-bearing eclogite from the Yuka terrane, North Qaidam UHPM belt, NW China. European Journal of Mineralogy, 2010, 21, 1287-1300.	1.3	82
82	Identifying mantle carbonatite metasomatism through Osâ€“Srâ€“Mg isotopes in Tibetan ultrapotassic rocks. Earth and Planetary Science Letters, 2015, 430, 458-469.	4.4	82
83	Post-collisional magmatism: Consequences of UHPM terrane exhumation and orogen collapse, N. Qaidam UHPM belt, NW China. Lithos, 2014, 210-211, 181-198.	1.4	79
84	The 600â€“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. Precambrian Research, 2015, 257, 47-64.	2.7	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. Contributions To Mineralogy and Petrology, 2013, 165, 437-455.	3.1	77
86	The syncollisional granitoid magmatism and continental crust growth in the West Kunlun Orogen, China â€“ Evidence from geochronology and geochemistry of the Arkarz pluton. Lithos, 2016, 245, 191-204.	1.4	74
87	Mantle Melting and Melt Extraction Processes beneath Ocean Ridges: Evidence from Abyssal Peridotites. Journal of Petrology, 1997, 38, 1047-1074.	2.8	73
88	Magmatic processes at a slow spreading ridge segment: 26Â°S Mid-Atlantic Ridge. Journal of Geophysical Research, 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. Lithos, 2016, 248-251, 455-468.	1.4	72
90	Petrological and geochemical constraints on the origin of garnet peridotite in the North Qaidam ultrahigh-pressure metamorphic belt, northwestern China. Lithos, 2007, 96, 243-265.	1.4	71

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91	The Origin of Alkaline Lavas. Science, 2008, 320, 883-884.	12.6	71
92	Simple and cost-effective methods for precise analysis of trace element abundances in geological materials with ICP-MS. Science Bulletin, 2017, 62, 277-289.	9.0	71
93	Lithosphere thinning beneath west North China Craton: Evidence from geochemical and Srâ€“Ndâ€“Hf isotope compositions of Jining basalts. Lithos, 2014, 202-203, 37-54.	1.4	69
94	The stable vanadium isotope composition of the mantle and mafic lavas. Earth and Planetary Science Letters, 2013, 365, 177-189.	4.4	68
95	Basalts and picrites from a plume-type ophiolite in the South Qilian Accretionary Belt, Qilian Orogen: Accretion of a Cambrian Oceanic Plateau?. Lithos, 2017, 278-281, 97-110.	1.4	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). Episodes, 2012, 35, 310-327.	1.2	68
97	Some basic concepts and problems on the petrogenesis of intra-plate ocean island basalts. Science Bulletin, 2009, 54, 4148-4160.	1.7	67
98	Sr, Nd and Pb isotopic variation along the Pacificâ€“Antarctic risecrest, 53â€“57Â°S: Implications for the composition and dynamics of the South Pacific upper mantle. Earth and Planetary Science Letters, 1998, 154, 109-125.	4.4	66
99	In Situ Densities of Morb Melts and Residual Mantle: Implications for Buoyancy Forces beneath Mid-Ocean Ridges. Journal of Geology, 1991, 99, 767-775.	1.4	65
100	Molybdenum systematics of subducted crust record reactive fluid flow from underlying slab serpentine dehydration. Nature Communications, 2019, 10, 4773.	12.8	63
101	Mantle input to the crust in Southern Gangdese, Tibet, during the Cenozoic: Zircon Hf isotopic evidence. Journal of Earth Science (Wuhan, China), 2009, 20, 241-249.	3.2	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. Lithos, 2016, 240-243, 104-118.	1.4	60
103	Lithosphere thickness controls the extent of mantle melting, depth of melt extraction and basalt compositions in all tectonic settings on Earth â€“ A review and new perspectives. Earth-Science Reviews, 2021, 217, 103614.	9.1	59
104	Chemistry of seamounts near the East Pacific Rise: Implications for the geometry of subaxial mantle flow. Geology, 1990, 18, 1122.	4.4	58
105	Shallow origin for South Atlantic Dupal Anomaly from lower continental crust: Geochemical evidence from the Mid-Atlantic Ridge at 26Â°S. Lithos, 2009, 112, 57-72.	1.4	58
106	Magmatism in the Garrett transform fault (East Pacific Rise near 13Â°27â€²S). Journal of Geophysical Research, 1995, 100, 10163-10185.	3.3	57
107	An 850â€“820Ma LIP dismembered during breakup of the Rodinia supercontinent and destroyed by Early Paleozoic continental subduction in the northern Tibetan Plateau, NW China. Precambrian Research, 2016, 282, 52-73.	2.7	57
108	Mesozoicâ€“Cenozoic mantle evolution beneath the North China Craton: A new perspective from Hfâ€“Nd isotopes of basalts. Gondwana Research, 2015, 27, 1574-1585.	6.0	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. Journal of Metamorphic Geology, 2011, 29, 699-720.	3.4	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. Mineralogy and Petrology, 2015, 109, 577-596.	1.1	50
111	The petrological control on the lithosphere-asthenosphere boundary (LAB) beneath ocean basins. Earth-Science Reviews, 2018, 185, 301-307.	9.1	49
112	Elemental responses to subduction-zone metamorphism: Constraints from the North Qilian Mountain, NW China. Lithos, 2013, 160-161, 55-67.	1.4	48
113	Geochemical Evolution within the Tonga-Kermadec-Lau Arc-Back-arc Systems: the Role of Varying Mantle Wedge Composition in Space and Time. Journal of Petrology, 1998, 39, 331-368.	2.8	48
114	Geochronology and geochemistry of Late Cretaceousâ€“Paleocene granitoids in the Sikhote-Alin Orogenic Belt: Petrogenesis and implications for the oblique subduction of the paleo-Pacific plate. Lithos, 2016, 266-267, 202-212.	1.4	47
115	Two types of peridotite in North Qaidam UHPM belt and their tectonic implications for oceanic and continental subduction: A review. Journal of Asian Earth Sciences, 2009, 35, 285-297.	2.3	46
116	U-Th-Ra disequilibria and the extent of off-axis volcanism across the East Pacific Rise at 9Â°30â€²N, 10Â°30â€²N, and 11Â°20â€²N. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	2.5	45
117	Heterogeneous Oceanic Arc Volcanic Rocks in the South Qilian Accretionary Belt (Qilian Orogen, NW) Tj ETQq1 1 0.784314 rgBT /Ov	2.8	45
118	Highly refractory peridotites in Songshugou, Qinling orogen: Insights into partial melting and melt/fluidâ€“rock reactions in forearc mantle. Lithos, 2016, 252-253, 234-254.	1.4	44
119	The Luliangshan garnet peridotite massif of the North Qaidam UHPM belt, NW China â€•a review of its origin and metamorphic evolution. Journal of Metamorphic Geology, 2009, 27, 621-638.	3.4	43
120	Trace-element transport during subduction-zone ultrahigh-pressure metamorphism: Evidence from western Tianshan, China. Bulletin of the Geological Society of America, 2012, 124, 1113-1129.	3.3	42
121	Trace element behavior and Pâ€“Tâ€“t evolution during partial melting of exhumed eclogite in the North Qaidam UHPM belt (NW China): Implications for adakite genesis. Lithos, 2015, 226, 65-80.	1.4	42
122	Petrological, geochemical and geochronological evidence for a Neoproterozoic ocean basin recorded in the Marlborough terrane of the northern New England Fold Belt. Australian Journal of Earth Sciences, 2000, 47, 1053-1064.	1.0	41
123	DENSCAL: Program for calculating densities of silicate melts and mantle minerals as a function of pressure, temperature, and composition in melting range. Computers and Geosciences, 1991, 17, 679-687.	4.2	40
124	Chemical and stable isotopic constraints on the nature and origin of volatiles in the sub-continental lithospheric mantle beneath eastern China. Lithos, 2007, 96, 55-66.	1.4	40
125	TTG and Potassic Granitoids in the Eastern North China Craton: Making Neoarchean Upper Continental Crust during Micro-continental Collision and Post-collisional Extension. Journal of Petrology, 2016, 57, 1775-1810.	2.8	40
126	Syn-collisional granitoids in the Qilian Block on the Northern Tibetan Plateau: A long-lasting magmatism since continental collision through slab steepening. Lithos, 2016, 246-247, 99-109.	1.4	40

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127	Lithosphere thickness controls continental basalt compositions: An illustration using Cenozoic basalts from eastern China. Geology, 2020, 48, 128-133.	4.4	40
128	Late Palaeozoic Ultramafic Lavas in Yunnan, SW China, and their Geodynamic Significance. Journal of Petrology, 2003, 44, 141-158.	2.8	38
129	Elemental and Srâ€“Ndâ€“Pb isotope geochemistry of the Cenozoic basalts in Southeast China: Insights into their mantle sources and melting processes. Lithos, 2017, 272-273, 16-30.	1.4	37
130	Constraints on Melt Movement Beneath the East Pacific Rise From 230Th-238U Disequilibrium. Science, 2002, 295, 107-110.	12.6	36
131	Origin of the LLSVPs at the base of the mantle is a consequence of plate tectonics â€“ A petrological and geochemical perspective. Geoscience Frontiers, 2018, 9, 1265-1278.	8.4	36
132	Iron isotope fractionation during mid-ocean ridge basalt (MORB) evolution: Evidence from lavas on the East Pacific Rise at 10Â°30â€²N and its implications. Geochimica Et Cosmochimica Acta, 2019, 267, 227-239.	3.9	36
133	Petrogenesis of peralkaline rhyolites in an intra-plate setting: Glass House Mountains, southeast Queensland, Australia. Lithos, 2015, 216-217, 196-210.	1.4	35
134	Petrogenesis of Cretaceous (133â€“84 Ma) intermediate dykes and host granites in southeastern China: Implications for lithospheric extension, continental crustal growth, and geodynamics of Palaeo-Pacific subduction. Lithos, 2018, 296-299, 195-211.	1.4	35
135	Eastern China continental lithosphere thinning is a consequence of paleo-Pacific plate subduction: A review and new perspectives. Earth-Science Reviews, 2021, 218, 103680.	9.1	35
136	Timing of closure of the Meso-Tethys Ocean: Constraints from remnants of a 141â€“135 Ma ocean island within the Bangongâ€“Nujiang Suture Zone, Tibetan Plateau. Bulletin of the Geological Society of America, 2021, 133, 1875-1889.	3.3	35
137	Slab breakoff: a causal mechanism or pure convenience?. Science Bulletin, 2017, 62, 456-461.	9.0	33
138	Garnet effect on Nd-Hf isotope decoupling: Evidence from the Jinfosi batholith, Northern Tibetan Plateau. Lithos, 2017, 274-275, 31-38.	1.4	33
139	On the enigma of Nb-Ta and Zr-Hf fractionationâ€”A critical review. Journal of Earth Science (Wuhan,) Tj ETQq1 1 0.784314 rgBT /Ove	3.2	32
140	Petrogenesis of the Triassic granitoids from the East Kunlun Orogenic Belt, NW China: Implications for continental crust growth from syn-collisional to post-collisional setting. Lithos, 2020, 364-365, 105513.	1.4	31
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