

# Yaoling Niu

## List of PR Articles by Year in descending order

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211

PR articles

24,914

PR citations

3133

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4426

154

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26832

doc citations

3853

85

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6909

citing authors

#	ARTICLE	IF	PR CITATIONS
1	Do we really need to drill through the intact ocean crust?. <i>Geoscience Frontiers</i> , 2025, 16, 101954.	7.9	5
2	Miocene Alkaline Basaltic Magmatism in Northeastern Tibetan Plateau: Implications for Mantle Evolution and Plateau Outward Growth. <i>Geochemistry, Geophysics, Geosystems</i> , 2024, 25, .	2.7	2
3	Low-degree melt metasomatic origin of heavy Fe isotope enrichment in the MORB mantle. <i>Earth and Planetary Science Letters</i> , 2023, 601, 117892.	4.8	23
4	Global volcanic arc magma composition correlates with thickness of both arc crust (Moho depth) and arc lithosphere (LAB depth): A revealing message on arc basement histories and arc magmatism. <i>Geoscience Frontiers</i> , 2023, 14, 101609.	7.9	5
5	Low-Degree Melt Metasomatic Origin of Global Upper Mantle Fe Isotope Fractionation. <i>Geophysical Research Letters</i> , 2023, 50, .	4.1	5
6	Protoliths and metamorphism of the central Himalayan eclogites: Zircon/titanite U-Pb geochronology, Hf isotope and geochemistry. <i>Gondwana Research</i> , 2022, 104, 39-53.	8.5	10
7	Middle-Late Jurassic magmatism in the west central Lhasa subterrane, Tibet: Petrology, zircon chronology, elemental and Sr-Nd-Pb-Hf-Mg isotopic geochemistry. <i>Lithos</i> , 2022, 408-409, 106549.	1.3	3
8	Molybdenum isotope systematics of lavas from the East Pacific Rise: Constraints on the source of enriched mid-ocean ridge basalt. <i>Earth and Planetary Science Letters</i> , 2022, 578, 117283.	4.8	48
9	Sublithosphere Mantle Crystallization and Immiscible Sulfide Melt Segregation in Continental Basalt Magmatism: Evidence from Clinopyroxene Megacrysts in the Cenozoic Basalts of Eastern China. <i>Journal of Petrology</i> , 2022, 63, .	3.2	13
10	Re-assessment of the effect of fractional crystallization on Mo isotopes: Constraints from I-type granitoids and their enclosed mafic magmatic enclaves. <i>Chemical Geology</i> , 2022, 597, 120814.	3.5	21
11	Petrogenesis of the early Cretaceous intra-plate basalts from the Western North China Craton: Implications for the origin of the metasomatized cratonic lithospheric mantle. <i>Lithos</i> , 2021, 380-381, 105887.	1.3	7
12	Fractional crystallization causes the iron isotope contrast between mid-ocean ridge basalts and abyssal peridotites. <i>Communications Earth &amp; Environment</i> , 2021, 2, .	6.9	32
13	Timing of the Meso-Tethys Ocean opening: Evidence from Permian sedimentary provenance changes in the South Qiangtang Terrane, Tibetan Plateau. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 567, 110265.	2.6	39
14	Iron Isotope Fractionation during Skarn Cu-Fe Mineralization. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 444.	2.0	8
15	Iron Isotope Compositions of Coexisting Sulfide and Silicate Minerals in Sudbury-Type Ores from the Jinchuan Ni-Cu Sulfide Deposit: A Perspective on Possible Core-Mantle Iron Isotope Fractionation. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 464.	2.0	10
16	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.	8.7	122
17	Eastern China continental lithosphere thinning is a consequence of paleo-Pacific plate subduction: A review and new perspectives. <i>Earth-Science Reviews</i> , 2021, 218, 103680.	8.7	64
18	The nature and origin of upper mantle heterogeneity beneath the Mid-Atlantic Ridge 33°N: A Sr-Nd-Hf isotopic perspective. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 307, 72-85.	4.8	9

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19	An iron isotope perspective on back-arc basin development: Messages from Mariana Trough basalts. <i>Earth and Planetary Science Letters</i> , 2021, 572, 117133.	4.8	32
20	Petrogenesis and tectonic implications of the Triassic rhyolites in the East Kunlun Orogenic Belt, northern Tibetan Plateau. <i>Geoscience Frontiers</i> , 2021, 12, 101243.	7.9	32
21	Identifying deep recycled carbonates through Miocene basalts in the Maguan area, SE Tibetan Plateau. <i>Lithos</i> , 2021, 400-401, 106356.	1.3	4
22	Petrogenetic evolution of the Zhuopan potassic alkaline complex, western Yunnan, SW China: Implications for heterogeneous metasomatism of lithospheric mantle beneath Simao and western Yangtze block. <i>Lithos</i> , 2021, 400-401, 106354.	1.3	4
23	Timing of closure of the Meso-Tethys Ocean: Constraints from remnants of a 141–135 Ma ocean island within the Bangong–Nujiang Suture Zone, Tibetan Plateau. <i>Bulletin of the Geological Society of America</i> , 2021, 133, 1875-1889.	2.6	66
24	Identifying Crystal Accumulation in Granitoids through Amphibole Composition and <i>In Situ</i> Zircon O Isotopes in North Qilian Orogen. <i>Journal of Petrology</i> , 2021, 62, .	3.2	13
25	A simple and robust method for calculating temperatures of granitoid magmas. <i>Mineralogy and Petrology</i> , 2021, 116, 93-103.	0.8	25
26	Tectonic significance of the Cretaceous granitoids along the south-east coast of continental China. <i>Geological Journal</i> , 2020, 55, 173-196.	2.0	3
27	Geochemistry, detrital zircon geochronology and Hf isotope of the clastic rocks in southern Tibet: Implications for the Jurassic-Cretaceous tectonic evolution of the Lhasa terrane. <i>Gondwana Research</i> , 2020, 78, 41-57.	8.5	30
28	Reworked Precambrian metamorphic basement of the Lhasa terrane, southern Tibet: Zircon/titanite U–Pb geochronology, Hf isotope and geochemistry. <i>Precambrian Research</i> , 2020, 336, 105496.	3.0	27
29	Geochemistry and iron isotope systematics of coexisting Fe-bearing minerals in magmatic Fe–Ti deposits: A case study of the Damiao titanomagnetite ore deposit, North China Craton. <i>Gondwana Research</i> , 2020, 81, 240-251.	8.5	16
30	A re-assessment of nickel-doping method in iron isotope analysis on rock samples using multi-collector inductively coupled plasma mass spectrometry. <i>Acta Geochimica</i> , 2020, 39, 355-364.	1.1	19
31	Lithosphere thickness controls continental basalt compositions: An illustration using Cenozoic basalts from eastern China. <i>Geology</i> , 2020, 48, 128-133.	4.0	68
32	Large iron isotope variation in the eastern Pacific mantle as a consequence of ancient low-degree melt metasomatism. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 286, 269-288.	4.8	43
33	Origin of magmatic harzburgite as a result of boninite magma evolution – An illustration using layered harzburgite-dunite cumulate from the Troodos ophiolite complex. <i>Lithos</i> , 2020, 376-377, 105764.	1.3	7
34	Mesozoic crustal evolution of southern Tibet: Constraints from the early Jurassic igneous rocks in the Central Lhasa terrane. <i>Lithos</i> , 2020, 366-367, 105557.	1.3	9
35	New U–Pb zircon age and petrogenesis of the plagiogranite, Troodos ophiolite, Cyprus. <i>Lithos</i> , 2020, 362-363, 105472.	1.3	19
36	Mineral Compositions of Syn-collisional Granitoids and their Implications for the Formation of Juvenile Continental Crust and Adakitic Magmatism. <i>Journal of Petrology</i> , 2020, 61, .	3.2	35

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37	The Lithospheric Thickness Control on the Compositional Variation of Continental Intraplate Basalts: A Demonstration Using the Cenozoic Basalts and Clinopyroxene Megacrysts From Eastern China. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, .	3.7	24
38	On the cause of continental breakup: A simple analysis in terms of driving mechanisms of plate tectonics and mantle plumes. <i>Journal of Asian Earth Sciences</i> , 2020, 194, 104367.	2.4	34
39	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. <i>Lithos</i> , 2020, 364-365, 105513.	1.3	42
40	Provenance, depositional setting, and crustal evolution of the Cathaysia Block, South China: Insights from detrital zircon Uâ€“Pb geochronology and geochemistry of clastic rocks. <i>Geological Journal</i> , 2019, 54, 897-912.	2.0	16
41	Palaeoarchaeoan deep mantle heterogeneity recorded by enriched plume remnants. <i>Nature Geoscience</i> , 2019, 12, 672-678.	11.6	46
42	Molybdenum systematics of subducted crust record reactive fluid flow from underlying slab serpentine dehydration. <i>Nature Communications</i> , 2019, 10, .	13.9	115
43	Iron isotope fractionation during mid-ocean ridge basalt (MORB) evolution: Evidence from lavas on the East Pacific Rise at 10Â°30â€™N and its implications. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 267, 227-239.	4.8	56
44	The petrogenesis and tectonic significance of the Early Cretaceous intraplate granites in eastern China: The Laoshan granite as an example. <i>Lithos</i> , 2019, 328-329, 200-211.	1.3	23
45	Discrepancy between bulk-rock and zircon Hf isotopes accompanying Nd-Hf isotope decoupling. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 259, 17-36.	4.8	27
46	Petrogenesis of ODP Hole 735B (Leg 176) Oceanic Plagiogranite: Partial Melting of Gabbros or Advanced Extent of Fractional Crystallization?. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 2717-2732.	2.7	39
47	Petrogenesis and tectonic implications of the Eocene-Oligocene potassic felsic suites in western Yunnan, eastern Tibetan Plateau: Evidence from petrology, zircon chronology, elemental and Sr-Nd-Pb-Hf isotopic geochemistry. <i>Lithos</i> , 2019, 340-341, 287-315.	1.3	33
48	The origin and geodynamic significance of the Mesozoic dykes in eastern continental China. <i>Lithos</i> , 2019, 332-333, 328-339.	1.3	29
49	Detrital zircon Uâ€“Pb geochronology and geochemistry of late Neoproterozoic â€“ early Cambrian sedimentary rocks in the Cathaysia Block: constraint on its palaeo-position in Gondwana supercontinent. <i>Geological Magazine</i> , 2019, 156, 1587-1604.	1.5	13
50	The syncollisional granitoid magmatism and crust growth during the West Qinling Orogeny, China: Insights from the Jiaochangba pluton. <i>Geological Journal</i> , 2019, 54, 4014-4033.	2.0	11
51	Multiple mantle metasomatism beneath the Leizhou Peninsula, South China: evidence from elemental and Sr-Nd-Pb-Hf isotope geochemistry of the late Cenozoic volcanic rocks. <i>International Geology Review</i> , 2019, 61, 1768-1785.	2.1	39
52	Heterogeneous Oceanic Arc Volcanic Rocks in the South Qilian Accretionary Belt (Qilian Orogen, NW) Tj ETQq0 0 QrgBT /Overlock 10 T	3.2	53
53	Two epochs of eclogite metamorphism link â€“coldâ€™ oceanic subduction and â€“hotâ€™ continental subduction, the North Qaidam UHP belt, NW China. <i>Geological Society Special Publication</i> , 2019, 474, 275-289.	1.5	27
54	Origin of the LLSVPs at the base of the mantle is a consequence of plate tectonics â€“ A petrological and geochemical perspective. <i>Geoscience Frontiers</i> , 2018, 9, 1265-1278.	7.9	56

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55	Mesozoic high-Mg andesites from the Daohugou area, Inner Mongolia: Upper-crustal fractional crystallization of parental melt derived from metasomatized lithospheric mantle wedge. <i>Lithos</i> , 2018, 302-303, 535-548.	1.3	18
56	The evolution and ascent paths of mantle xenolith-bearing magma: Observations and insights from Cenozoic basalts in Southeast China. <i>Lithos</i> , 2018, 310-311, 171-181.	1.3	17
57	Syn-collisional felsic magmatism and continental crust growth: A case study from the North Qilian Orogenic Belt at the northern margin of the Tibetan Plateau. <i>Lithos</i> , 2018, 308-309, 53-64.	1.3	29
58	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.	3.0	149
59	The Early Cretaceous bimodal volcanic suite from the Yinshan Block, western North China Craton: Origin, process and geological significance. <i>Journal of Asian Earth Sciences</i> , 2018, 160, 348-364.	2.4	21
60	Petrogenesis of Cretaceous (133–84 Ma) intermediate dykes and host granites in southeastern China: Implications for lithospheric extension, continental crustal growth, and geodynamics of Palaeo-Pacific subduction. <i>Lithos</i> , 2018, 296-299, 195-211.	1.3	41
61	Perovskite U-Pb and Sr-Nd isotopic perspectives on melilitite magmatism and outward growth of the Tibetan Plateau. <i>Geology</i> , 2018, , .	4.0	8
62	Geological understanding of plate tectonics: Basic concepts, illustrations, examples and new perspectives. <i>Global Tectonics and Metallogeny</i> , 2018, 10, 23-46.	1.3	119
63	Origin of the Jurassic-Cretaceous intraplate granitoids in Eastern China as a consequence of paleo-Pacific plate subduction. <i>Lithos</i> , 2018, 322, 405-419.	1.3	19
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.	3.2	174
65	The petrological control on the lithosphere-asthenosphere boundary (LAB) beneath ocean basins. <i>Earth-Science Reviews</i> , 2018, 185, 301-307.	8.7	63
66	Geo-neutrino: Messenger from the Earth's interior. <i>Chinese Science Bulletin</i> , 2018, 63, 2853-2862.	0.7	0
67	The Meaning of Global Ocean Ridge Basalt Major Element Compositions. <i>Journal of Petrology</i> , 2017, 57, 2081-2103.	3.2	39
68	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.	9.6	98
69	Effects of decarbonation on elemental behaviors during subduction-zone metamorphism: Evidence from a titanite-rich contact between eclogite-facies marble and omphacitite. <i>Journal of Asian Earth Sciences</i> , 2017, 135, 338-346.	2.4	2
70	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.	1.3	103
71	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.	1.3	122
72	Petrogenesis of Luchuba and Wuchaba granitoids in western Qinling: geochronological and geochemical evidence. <i>Mineralogy and Petrology</i> , 2017, 111, 887-908.	0.8	19

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73	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.	1.3	76
74	Different stages of chemical alteration on metabasaltic rocks in the subduction channel: Evidence from the Western Tianshan metamorphic belt, NW China. <i>Journal of Asian Earth Sciences</i> , 2017, 145, 111-122.	2.4	5
75	Garnet effect on Nd-Hf isotope decoupling: Evidence from the Jinfosi batholith, Northern Tibetan Plateau. <i>Lithos</i> , 2017, 274-275, 31-38.	1.3	38
76	Elemental and Sr- <sup>143</sup> Nd- <sup>206</sup> 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.	1.3	46
77	Testing the mantle plume hypothesis: an IODP effort to drill into the Kamchatka-Okhotsk Sea basement. <i>Science Bulletin</i> , 2017, 62, 1464-1472.	9.6	28
78	Long-lived melting of ancient lower crust of the North China Craton in response to paleo-Pacific plate subduction, recorded by adakitic rhyolite. <i>Lithos</i> , 2017, 292-293, 437-451.	1.3	24
79	Tracing subduction zone fluid-rock interactions using trace element and Mg-Sr-Nd isotopes. <i>Lithos</i> , 2017, 290-291, 94-103.	1.3	32
80	Hf isotope systematics of seamounts near the East Pacific Rise (EPR) and geodynamic implications. <i>Lithos</i> , 2016, 262, 107-119.	1.3	20
81	Origin of the Yellow Sea: an insight. <i>Science Bulletin</i> , 2016, 61, 1076-1080.	9.6	14
82	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.	3.2	50
83	Zircon U- <sup>235</sup> Pb geochronology, Sr- <sup>143</sup> Nd- <sup>176</sup> Hf isotopic composition and geological significance of the Late Triassic Bajiazhuang and Lvjing granitic plutons in West Qinling Orogen. <i>Lithos</i> , 2016, 260, 443-456.	1.3	30
84	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.	1.3	54
85	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.	3.0	70
86	Origin of the late Early Cretaceous granodiorite and associated dioritic dikes in the Hongqilafu pluton, northwestern Tibetan Plateau: A case for crust-mantle interaction. <i>Lithos</i> , 2016, 260, 300-314.	1.3	27
87	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.	1.3	93
88	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.	1.3	74
89	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.	4.8	136
90	Is lunar magma ocean (LMO) gone with the wind?. <i>National Science Review</i> , 2016, 3, 12-15.	9.8	2

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91	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.	1.3	98
92	Geochemical behaviours of chemical elements during subduction-zone metamorphism and geodynamic significance. <i>International Geology Review</i> , 2016, 58, 1253-1277.	2.1	20
93	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.	1.3	53
94	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.	1.3	44
95	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.	1.3	119
96	Petrogenesis of granitoids in the eastern section of the Central Qilian Block: Evidence from geochemistry and zircon U-Pb geochronology. <i>Mineralogy and Petrology</i> , 2016, 111, 23-41.	0.8	19
97	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.	3.5	258
98	Magmatic record of India-Asia collision. <i>Scientific Reports</i> , 2015, 5, .	3.5	411
99	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.	4.5	118
100	Petrogenesis of peralkaline rhyolites in an intra-plate setting: Glass House Mountains, southeast Queensland, Australia. <i>Lithos</i> , 2015, 216-217, 196-210.	1.3	45
101	Trace element behavior and $\text{Pb}$ - $\text{Ta}$ - $\text{U}$ 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.	1.3	47
102	Petrogenesis of the Chagangnuoer deposit, NW China: a general model for submarine volcanic-hosted skarn iron deposits. <i>Science Bulletin</i> , 2015, 60, 363-379.	9.6	21
103	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.	0.8	64
104	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.	9.6	145
105	Identifying mantle carbonatite metasomatism through $\text{Os}$ - $\text{Sr}$ - $\text{Mg}$ isotopes in Tibetan ultrapotassic rocks. <i>Earth and Planetary Science Letters</i> , 2015, 430, 458-469.	4.8	121
106	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.	3.0	94
107	Late Triassic adakitic plutons within the Archean terrane of the North China Craton: Melting of the ancient lower crust at the onset of the lithospheric destruction. <i>Lithos</i> , 2015, 212-215, 353-367.	1.3	30
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.	8.5	63

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109	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.	8.5	121
110	Zircon xenocrysts in Tibetan ultrapotassic magmas: Imaging the deep crust through time. <i>Geology</i> , 2014, 42, 43-46.	4.0	104
111	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.	4.8	154
112	A synthesis and new perspective on the petrogenesis of kamafugites from West Qinling, China, in a global context. <i>Journal of Asian Earth Sciences</i> , 2014, 79, 86-96.	2.4	26
113	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.	4.8	230
114	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.	4.8	131
115	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.	8.7	436
116	Trace element budgets and (re-)distribution during subduction-zone ultrahigh pressure metamorphism: Evidence from Western Tianshan, China. <i>Chemical Geology</i> , 2014, 365, 54-68.	3.5	23
117	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.	1.3	97
118	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.	3.5	236
119	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.	1.3	81
120	Tectonics of the North Qilian orogen, NW China. <i>Gondwana Research</i> , 2013, 23, 1378-1401.	8.5	649
121	Continental collision zones are primary sites for net continental crust growth – A testable hypothesis. <i>Earth-Science Reviews</i> , 2013, 127, 96-110.	8.7	294
122	The origin and pre-Cenozoic evolution of the Tibetan Plateau. <i>Gondwana Research</i> , 2013, 23, 1429-1454.	8.5	1,249
123	Elemental responses to subduction-zone metamorphism: Constraints from the North Qilian Mountain, NW China. <i>Lithos</i> , 2013, 160-161, 55-67.	1.3	49
124	Grenville-age orogenesis in the Qaidam-Qilian block: The link between South China and Tarim. <i>Precambrian Research</i> , 2012, 220-221, 9-22.	3.0	219
125	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.	3.5	164
126	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.	3.5	336

#	ARTICLE	IF	PR CITATIONS
127	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.	2.6	43
128	Earth processes cause Zr-Hf and Nb-Ta fractionations, but why and how?. <i>RSC Advances</i> , 2012, 2, 3587.	4.4	30
129	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> , 2012, 165, 437-455.	2.8	88
130	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.	1.4	80
131	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.	2.7	50
132	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.	4.8	1,315
133	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.	3.2	246
134	On the enigma of Nb-Ta and Zr-Hf fractionation: A critical review. <i>Journal of Earth Science (Wuhan)</i> , 2011, 23, 107-110.	3.8	43
135	Lhasa terrane in southern Tibet came from Australia. <i>Geology</i> , 2011, 39, 727-730.	4.0	489
136	Magma generation and evolution and global tectonics: An issue in honour of Peter J. Wyllie for his life-long contributions by means of experimental petrology to understanding how the Earth works: Foreword. <i>Journal of Petrology</i> , 2011, 52, 1239-1242.	3.2	1
137	Petrogenesis and tectonic significance of a Mesozoic granite-syenite-gabbro association from inland South China. <i>Lithos</i> , 2010, 119, 621-641.	1.3	252
138	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.	1.3	194
139	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.	2.6	178
140	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.	3.2	158
141	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.	1.3	90
142	<sup>40</sup> Ar/ <sup>39</sup> Ar geochronology of post-collisional volcanism in the middle Gangdese Belt, southern Tibet. <i>Journal of Asian Earth Sciences</i> , 2010, 37, 246-258.	2.4	16
143	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.	3.0	194
144	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.	3.0	213

#	ARTICLE	IF	PR CITATIONS
145	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.	4.0	258
146	Origin of compositional trends in clinopyroxene of oceanic gabbros and gabbroic rocks: A case study using data from ODP Hole 735B. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 184, 313-322.	2.1	19
147	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.	1.3	64
148	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.	1.3	187
149	Geochemical and Sr-Nd-Pb-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.	1.3	465
150	On the composition of ocean island basalts (OIB): The effects of lithospheric thickness variation and mantle metasomatism. <i>Lithos</i> , 2009, 112, 118-136.	1.3	191
151	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.	0.3	164
152	Some basic concepts and problems on the petrogenesis of intra-plate ocean island basalts. <i>Science Bulletin</i> , 2009, 54, 4148-4160.	1.2	73
153	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.	3.8	69
154	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.	3.5	425
155	CH <sub>4</sub> 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.	4.8	143
156	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.	2.4	148
157	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.	2.4	152
158	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.	2.4	52
159	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.	2.4	105
160	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.	1.3	190
161	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.	3.5	644
162	Global Correlations of Ocean Ridge Basalt Chemistry with Axial Depth: a New Perspective. <i>Journal of Petrology</i> , 2008, 49, 633-664.	3.2	208

#	ARTICLE	IF	PR CITATIONS
163	Whole-rock elemental and zircon Hf isotopic geochemistry of mafic and ultramafic rocks from the Early Cretaceous Comei large igneous province in SE Tibet: constraints on mantle source characteristics and petrogenesis. <i>Himalayan Journal of Sciences</i> , 2008, 5, 178-180.	0.1	10
164	The lithium isotopic composition of orogenic eclogites and deep subducted slabs. <i>Earth and Planetary Science Letters</i> , 2007, 262, 563-580.	4.8	219
165	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.	1.3	185
166	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.	1.3	78
167	Petrology and geochronology of Xuejiashiliang igneous complex and their genetic link to the lithospheric thinning during the Yanshanian orogenesis in eastern China. <i>Lithos</i> , 2007, 96, 90-107.	1.3	19
168	Mantle contributions to crustal thickening during continental collision: Evidence from Cenozoic igneous rocks in southern Tibet. <i>Lithos</i> , 2007, 96, 225-242.	1.3	614
169	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.	1.3	41
170	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.	3.2	433
171	Petrogenesis of Mesozoic granitoids and volcanic rocks in South China: A response to tectonic evolution. <i>Episodes</i> , 2006, 29, 26-33.	1.4	1,623
172	Sodic amphibole exsolutions 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.	1.8	91
173	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.	4.8	282
174	On the great plume debate. <i>Science Bulletin</i> , 2005, 50, 1537.	1.2	14
175	Conference Reports. <i>Episodes</i> , 2005, 28, 209-219.	1.4	1
176	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.	3.2	725
177	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.	1.2	113
178	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.	1.8	191
179	Origin of ocean island basalts: A new perspective from petrology, geochemistry, and mineral physics considerations. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.6	341
180	Late Palaeozoic Ultramafic Lavas in Yunnan, SW China, and their Geodynamic Significance. <i>Journal of Petrology</i> , 2003, 44, 141-158.	3.2	43

#	ARTICLE	IF	PR CITATIONS
181	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.	3.2	222
182	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.	4.8	246
183	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.	4.8	175
184	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.	4.8	97
185	Early Permian supra-subduction assemblage of the South Island terrane, Percy Isles, New England Fold Belt, Queensland. <i>Australian Journal of Earth Sciences</i> , 2000, 47, 1077-1085.	1.0	9
186	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.	1.0	42
187	Evidence for Palaeozoic magmatism recorded in the Late Neoproterozoic Marlborough ophiolite, New England Fold Belt, central Queensland. <i>Australian Journal of Earth Sciences</i> , 2000, 47, 1065-1076.	1.0	19
188	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.	4.8	479
189	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.	4.8	149
190	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.	4.8	115
191	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.	3.6	228
192	Comments on Some Misconceptions in Igneous and Experimental Petrology and Methodology: a Reply. <i>Journal of Petrology</i> , 1999, 40, 1195-1203.	3.2	1
193	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.	4.8	67
194	Erratum to "Trace element evidence from seamounts for recycled oceanic crust in the Eastern Pacific mantle". <i>Earth and Planetary Science Letters</i> , 1998, 155, 147.	4.8	2
195	Geochemical Evolution within the Tonga-Kermadec-Lau Arc-Back-arc Systems: the Role of Varying Mantle Wedge Composition in Space and Time. <i>Journal of Petrology</i> , 1998, 39, 331-368.	3.2	51
196	Mantle Melting and Melt Extraction Processes beneath Ocean Ridges: Evidence from Abyssal Peridotites. <i>Journal of Petrology</i> , 1997, 38, 1047-1074.	3.2	517
197	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.	4.8	184
198	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.	4.8	387

#	ARTICLE	IF	PR CITATIONS
199	The origin of abyssal peridotites: a new perspective. <i>Earth and Planetary Science Letters</i> , 1997, 152, 251-265.	4.8	201
200	Mantle Melting and Melt Extraction Processes beneath Ocean Ridges: Evidence from Abyssal Peridotites. <i>Journal of Petrology</i> , 1997, 38, 1047-1074.	3.2	76
201	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.	3.6	163
202	Magmatism in the Garrett transform fault (East Pacific Rise near 13°27'S). <i>Journal of Geophysical Research</i> , 1995, 100, 10163-10185.	3.6	63
203	Magmatic processes at a slow spreading ridge segment: 26°S Mid-Atlantic Ridge. <i>Journal of Geophysical Research</i> , 1994, 99, 19719-19740.	3.6	84
204	Chemical variation trends at fast and slow spreading mid-ocean ridges. <i>Journal of Geophysical Research</i> , 1993, 98, 7887-7902.	3.6	96
205	Petrology and magma chamber processes at the East Pacific Rise ¼ 9°30'N. <i>Journal of Geophysical Research</i> , 1992, 97, 6779-6797.	3.6	148
206	MORBCAL: a program for calculating the compositions of primary basaltic melts produced by decompression-induced melting below mid-ocean ridges. <i>Computers and Geosciences</i> , 1992, 18, 1277-1282.	4.3	2
207	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.	3.6	229
208	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.	0.9	70
209	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.	4.3	41
210	Chemistry of seamounts near the East Pacific Rise: Implications for the geometry of subaxial mantle flow. <i>Geology</i> , 1990, 18, 1122.	4.0	58
211	Chemical variations of loess from the Chinese Loess Plateau and its implications. <i>International Geology Review</i> , 0, , 1-16.	2.1	6