Zheng-Xiang Li

List of Publications by Year in Descending Order

248 papers	26,740 citations	85 h-index	161 g-index
259 ext. papers	29,881 ext. citations	4.3 avg, IF	7.31 L-index

#	Paper	IF	Citations
248	Pitfalls in using the geochronological information from the EarthChem Portal for Precambrian time-series analysis. *Precambrian Research*, **2022**, 369, 106514	3.9	0
247	Closing the North American Magmatic Gap: Crustal evolution of the Clearwater Block from multi-isotope and trace element zircon data. *Precambrian Research*, **2022**, 369, 106533	3.9	2
246	Spatio-temporal evolution of Mesoproterozoic magmatism in NE Australia: A hybrid tectonic model for final Nuna assembly. *Precambrian Research*, **2022**, 372, 106602	3.9	0
245	Detrital zircon U-Pb and Hf signatures of Paleo-Mesoproterozoic strata in the Priest River region, northwestern USA: A record of Laurentia assembly and Nuna tenure. *Precambrian Research*, **2021**, 367, 106445	3.9	2
244	An expanding list of reliable paleomagnetic poles for Precambrian tectonic reconstructions **2021**, 605-639		5
243	Decoupling between Oxygen and Radiogenic Isotopes: Evidence for Generation of Juvenile Continental Crust by Partial Melting of Subducted Oceanic Crust. *Journal of Earth Science (Wuhan, China)*, **2021**, 32, 1212-1225	2.2	2
242	The supercontinent cycle. *Nature Reviews Earth & Environment*, **2021**, 2, 358-374	30.2	33
241	The amalgamation of Pangea: Paleomagnetic and geological observations revisited. *Bulletin of the Geological Society of America*, **2021**, 133, 625-646	3.9	11
240	Paleomagnetic constraints on the duration of the Australia-Laurentia connection in the core of the Nuna supercontinent. *Geology*, **2021**, 49, 174-179	5	26
239	Syn-collisional magmatic record of Indian steep subduction by 50 Ma. *Bulletin of the Geological Society of America*, **2021**, 133, 949-962	3.9	0
238	A tectonic model for the Transcontinental Arch: Progressive migration of a Laurentian drainage divide during the Neoproterozoic-Cambrian Sauk Transgression. *Terra Nova*, **2021**, 33, 430-440	3	5
237	The largest plagiogranite on Earth formed by re-melting of juvenile proto-continental crust. *Communications Earth & Environment*, **2021**, 2,	6.1	4
236	Two-stage crustal growth in the Arabian-Nubian shield: Initial arc accretion followed by plume-induced crustal reworking. *Precambrian Research*, **2021**, 359, 106211	3.9	3
235	Oceanic and super-deep continental diamonds share a transition zone origin and mantle plume transportation. *Scientific Reports*, **2021**, 11, 16958	4.9	3
234	A Mesozoic Andean-type active continental margin along coastal South China: New geological records from the basement of the northern South China Sea. *Gondwana Research*, **2021**, 99, 36-52	5.1	3
233	New Crustal Vs Model Along an Array in South-East China: Seismic Characters and Paleo-Tethys Continental Amalgamation. *Geochemistry, Geophysics, Geosystems*, **2020**, 21, e2020GC009024	3.6	4
232	Geochemical evidence for a widespread mantle re-enrichment 3.2 billion years ago: implications for global-scale plate tectonics. *Scientific Reports*, **2020**, 10, 9461	4.9	15

231	Middle Cambrian granites in the Dunhuang Block (NW China) mark the early subduction of the southernmost Paleo-Asian Ocean. *Lithos*, **2020**, 372-373, 105654	2.9	5
230	Distinct formation history for deep-mantle domains reflected in geochemical differences. *Nature Geoscience*, **2020**, 13, 511-515	18.3	18
229	The magnificent seven: A proposal for modest revision of the quality index. *Tectonophysics*, **2020**, 790, 228549	3.1	48
228	The 1.24–1.21 Ga Licheng Large Igneous Province in the North China Craton: Implications for Paleogeographic Reconstruction. *Journal of Geophysical Research: Solid Earth*, **2020**, 125, e2019JB019005	3.6	6
227	Trial by fire: Testing the paleolongitude of Pangea of competing reference frames with the African LLSVP. *Geoscience Frontiers*, **2020**, 11, 1253-1256	6	4
226	Coupled supercontinent–mantle plume events evidenced by oceanic plume record. *Geology*, **2020**, 48, 159-163	5	23
225	TTG generation by fluid-fluxed crustal melting: Direct evidence from the Proterozoic Georgetown Inlier, NE Australia. *Earth and Planetary Science Letters*, **2020**, 550, 116548	5.3	22
224	Pannotia: in defence of its existence and geodynamic significance. *Geological Society Special Publication*, **2020**, SP503-2020-96	1.7	12
223	Early Ediacaran Magmatism in the Yenisei Ridge and Evolution of the Southwestern Margin of the Siberian Craton. *Minerals (Basel, Switzerland)*, **2020**, 10, 565	2.4	1
222	Weak orogenic lithosphere guides the pattern of plume-triggered supercontinent break-up. *Communications Earth & Environment*, **2020**, 1,	6.1	9
221	Reassessing zircon-monazite thermometry with thermodynamic modelling: insights from the Georgetown igneous complex, NE Australia. *Contributions To Mineralogy and Petrology*, **2020**, 175, 1	3.5	3
220	Heterogeneous Exhumation of the Mount Isa Orogen in NE Australia After 1.6 Ga Nuna Assembly: New High-Precision 40Ar/39Ar Thermochronological Constraints. *Tectonics*, **2020**, 39, e2020TC006129	4.3	5
219	Do Supercontinent-Superplume Cycles Control the Growth and Evolution of Continental Crust?. *Journal of Earth Science (Wuhan, China)*, **2020**, 31, 1142-1169	2.2	6
218	Provenance Evolution of Age-Calibrated Strata Reveals When and How South China Block Collided With Gondwana. *Geophysical Research Letters*, **2020**, 47, e2020GL090282	4.9	3
217	Structural Evolution of a 1.6 Ga Orogeny Related to the Final Assembly of the Supercontinent Nuna: Coupling of Episodic and Progressive Deformation. *Tectonics*, **2020**, 39, e2020TC006162	4.3	6
216	Paleo- to Mesoproterozoic magmatic and tectonic evolution of the southwestern Yangtze Block, south China: New constraints from ca. 1.7–1.5 Ga mafic rocks in the Huili-Dongchuan area. *Gondwana Research*, **2020**, 87, 248-262	5.1	4
215	Decoding earth's plate tectonic history using sparse geochemical data. *Geoscience Frontiers*, **2020**, 11, 265-276	6	5
214	Multiple P–T–t paths reveal the evolution of the final Nuna assembly in northeast Australia. *Journal of Metamorphic Geology*, **2020**, 38, 593-627	4.4	18

213	Origin of arc magmatic signature: A temperature-dependent process for trace element (re)-mobilization in subduction zones. *Scientific Reports*, **2019**, 9, 7098	4.9	7
212	Post-250 Ma thermal evolution of the central Cathaysia Block (SE China) in response to flat-slab subduction at the proto-Western Pacific margin. *Gondwana Research*, **2019**, 75, 1-15	5.1	9
211	Long-lived connection between the North China and North Australian cratons in supercontinent Nuna: paleomagnetic and geological constraints. *Science Bulletin*, **2019**, 64, 873-876	10.6	12
210	Hit or miss: Glacial incisions of snowball Earth. *Terra Nova*, **2019**, 31, 381	3	4
209	Palaeomagnetism of the 1.89 Ga Boonadgin dykes of the Yilgarn Craton: Possible connection with India. *Precambrian Research*, **2019**, 329, 211-223	3.9	13
208	Harmonic hierarchy of mantle and lithospheric convective cycles: Time series analysis of hafnium isotopes of zircon. *Gondwana Research*, **2019**, 75, 239-248	5.1	11
207	Modeling the Inception of Supercontinent Breakup: Stress State and the Importance of Orogens. *Geochemistry, Geophysics, Geosystems*, **2019**, 20, 4830-4848	3.6	13
206	Cr-spinel records metasomatism not petrogenesis of mantle rocks. *Nature Communications*, **2019**, 10, 5103	17.4	26
205	Tectonostratigraphy and provenance analysis to define the edge and evolution of the eastern Wuyi-Yunkai orogen, South China. *Geological Magazine*, **2019**, 156, 83-98	2	2
204	Global geochemical fingerprinting of plume intensity suggests coupling with the supercontinent cycle. *Nature Communications*, **2019**, 10, 5270	17.4	13
203	Dike Magmatism in the Evolution of the Transform Active Continental Margin of the Siberian Craton in the Ediacaran. *Doklady Earth Sciences*, **2019**, 489, 1285-1288	0.6	
202	A Gravity Study of the Longmenshan Fault Zone: New Insights Into the Nature and Evolution of the Fault Zone and Extrusion-Style Growth of the Tibetan Plateau Since 40 Ma. *Tectonics*, **2019**, 38, 176-189	4.3	8
201	Paleomagnetism of the Hart Dolerite (Kimberley, Western Australia) A two-stage assembly of the supercontinent Nuna?. *Precambrian Research*, **2019**, 329, 170-181	3.9	30
200	Decoding Earth rhythms: Modulation of supercontinent cycles by longer superocean episodes. *Precambrian Research*, **2019**, 323, 1-5	3.9	63
199	Poly-phase metamorphism of garnet-bearing mafic granulite from the Larsemann Hills, East Antarctica: P-T path, U-Pb ages and tectonic implications. *Precambrian Research*, **2019**, 326, 385-398	3.9	13
198	Newly identified 1.89 Ga mafic dyke swarm in the Archean Yilgarn Craton, Western Australia suggests a connection with India. *Precambrian Research*, **2019**, 329, 156-169	3.9	21
197	In situ U-Pb geochronology and geochemistry of a 1.13 Ga mafic dyke suite at Bunger Hills, East Antarctica: The end of the Albany-Fraser Orogeny. *Precambrian Research*, **2018**, 310, 76-92	3.9	8
196	Pre-Alpine contrasting tectono-metamorphic evolutions within the Southern Steep Belt, Central Alps. *Lithos*, **2018**, 310-311, 31-49	2.9	9

195	The dominant driving force for supercontinent breakup: Plume push or subduction retreat?. *Geoscience Frontiers*, **2018**, 9, 997-1007	6	40
194	Indian-derived sediments deposited in Australia during Gondwana assembly. *Precambrian Research*, **2018**, 312, 23-37	3.9	14
193	1.39 Ga mafic dyke swarm in southwestern Yilgarn Craton marks Nuna to Rodinia transition in the West Australian Craton. *Precambrian Research*, **2018**, 316, 291-304	3.9	13
192	First evidence of Archean mafic dykes at 2.62 Ga in the Yilgarn Craton, Western Australia: Links to cratonisation and the Zimbabwe Craton. *Precambrian Research*, **2018**, 317, 1-13	3.9	5
191	Formation of mantle □one plumes□n the global downwelling zone □A multiscale modelling of subduction-controlled plume generation beneath the South China Sea. *Tectonophysics*, **2018**, 723, 1-13	3.1	21
190	1.6 Ga crustal thickening along the final Nuna suture. *Geology*, **2018**, 46, 959-962	5	49
189	Laurentian crust in northeast Australia: Implications for the assembly of the supercontinent Nuna. *Geology*, **2018**, 46, 251-254	5	52
188	First Precambrian palaeomagnetic data from the Mawson Craton (East Antarctica) and tectonic implications. *Scientific Reports*, **2018**, 8, 16403	4.9	7
187	Age and chemical composition of Archean metapelites in the Zhongxiang Complex and implications for early crustal evolution of the Yangtze Craton. *Lithos*, **2018**, 320-321, 280-301	2.9	4
186	Early crustal evolution of the Yangtze Craton, South China: New constraints from zircon U-Pb-Hf isotopes and geochemistry of ca. 2.9□2.6 Ga granitic rocks in the Zhongxiang Complex. *Precambrian Research*, **2018**, 314, 325-352	3.9	55
185	Subduction of Indian continent beneath southern Tibet in the latest Eocene (~ 35 Ma): Insights from the Quguosha gabbros in southern Lhasa block. *Gondwana Research*, **2017**, 41, 77-92	5.1	33
184	Proterozoic tectonics of Hainan Island in supercontinent cycles: New insights from geochronological and isotopic results. *Precambrian Research*, **2017**, 290, 86-100	3.9	48
183	Thermochronological record of Middle□late Jurassic magmatic reheating to Eocene rift-related rapid cooling in the SE South China Block. *Gondwana Research*, **2017**, 46, 191-203	5.1	17
182	Thermochronology of the Sulu ultrahigh-pressure metamorphic terrane: Implications for continental collision and lithospheric thinning. *Tectonophysics*, **2017**, 712-713, 10-29	3.1	16
181	Paleogeographic forcing of the strontium isotopic cycle in the Neoproterozoic. *Gondwana Research*, **2017**, 42, 151-162	5.1	29
180	Revisiting Mesozoic felsic intrusions in eastern South China: spatial and temporal variations and tectonic significance. *Lithos*, **2017**, 294-295, 147-163	2.9	12
179	The Long-Wavelength Mantle Structure, and the supercontinent Evolution since the Paleozoic. *Acta Geologica Sinica*, **2016**, 90, 49-49	0.7	
178	SIMS zircon U□b ages, geochemistry and Nd□f isotopes of ca. 1.0Ga mafic dykes and volcanic rocks in the Huili area, SW China: Origin and tectonic significance. *Precambrian Research*, **2016**, 273, 67-89	3.9	48

177	Early Mesozoic ferroan (A-type) and magnesian granitoids in eastern South China: Tracing the influence of flat-slab subduction at the western Pacific margin. *Lithos*, **2016**, 240-243, 371-381	2.9	27
176	Four-dimensional context of Earth's supercontinents. *Geological Society Special Publication*, **2016**, 424, 1-14	1.7	39
175	Palaeomagnetism and geochronology of mid-Neoproterozoic Yanbian dykes, South China: implications for a c. 820–800 Ma true polar wander event and the reconstruction of Rodinia. *Geological Society Special Publication*, **2016**, 424, 191-211	1.7	21
174	Pliocene-Quaternary crustal melting in central and northern Tibet and insights into crustal flow. *Nature Communications*, **2016**, 7, 11888	17.4	51
173	Petrogenesis of early Jurassic basalts in southern Jiangxi Province, South China: Implications for the thermal state of the Mesozoic mantle beneath South China. *Lithos*, **2016**, 256-257, 311-330	2.9	42
172	Climatic and tectonic controls on Late Triassic to Middle Jurassic sedimentation in northeastern Guangdong Province, South China. *Tectonophysics*, **2016**, 677-678, 68-87	3.1	7
171	Tectonostratigraphic history of the Ediacaran–Silurian Nanhua foreland basin in South China. *Tectonophysics*, **2016**, 674, 31-51	3.1	44
170	Continental flood basalt weathering as a trigger for Neoproterozoic Snowball Earth. *Earth and Planetary Science Letters*, **2016**, 446, 89-99	5.3	150
169	Basin redox and primary productivity within the Mesoproterozoic Roper Seaway. *Chemical Geology*, **2016**, 440, 101-114	4.2	64
168	Paleogene post-collisional lamprophyres in western Yunnan, western Yangtze Craton: Mantle source and tectonic implications. *Lithos*, **2015**, 233, 139-161	2.9	69
167	Formation of the Jurassic South China Large Granitic Province: Insights from the genesis of the Jiufeng pluton. *Chemical Geology*, **2015**, 401, 43-58	4.2	38
166	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. *Precambrian Research*, **2015**, 257, 47-64	3.9	44
165	Paleogeographic record of Eocene Farallon slab rollback beneath western North America: COMMENT. *Geology*, **2015**, 43, e362-e362	5	4
164	Detrital provenance evolution of the Ediacaran–Silurian Nanhua foreland basin, South China. *Gondwana Research*, **2015**, 28, 1449-1465	5.1	55
163	Detrital zircon U–Pb geochronology, Hf isotopes and geochemistry constraints on crustal growth and Mesozoic tectonics of southeastern China. *Journal of Asian Earth Sciences*, **2015**, 105, 286-299	2.8	21
162	Was there a Cambrian ocean in South China? □nsight from detrital provenance analyses. *Geological Magazine*, **2015**, 152, 184-191	2	30
161	Age and paleomagnetism of the 1210Ma Gnowangerup–Fraser dyke swarm, Western Australia, and implications for late Mesoproterozoic paleogeography. *Precambrian Research*, **2014**, 246, 1-15	3.9	40
160	Genesis of the 1.21 Ga Marnda Moorn large igneous province by plume–□thosphere interaction. *Precambrian Research*, **2014**, 241, 85-103	3.9	41

159	Mesoproterozoic paleogeography: Supercontinent and beyond. *Precambrian Research*, **2014**, 244, 207-225	3.9	307
158	A Mesozoic Andean-type orogenic cycle in southeastern China as recorded by granitoid evolution. *Numerische Mathematik*, **2014**, 314, 187-234	5.3	49
157	Seismic reflection data support episodic and simultaneous growth of the Tibetan Plateau since 25 Myr. *Nature Communications*, **2014**, 5, 5453	17.4	51
156	Petrogenesis of the Early Eocene adakitic rocks in the Napuri area, southern Lhasa: Partial melting of thickened lower crust during slab break-off and implications for crustal thickening in southern Tibet. *Lithos*, **2014**, 196-197, 321-338	2.9	53
155	From Rodinia to Gondwanaland: A tale of detrital zircon provenance analyses from the southern Nanhua Basin, South China. *Numerische Mathematik*, **2014**, 314, 278-313	5.3	83
154	EARLY CRETACEOUS APTIAN CHARCOAL FROM XINCHANG PETRIFIED WOOD NATIONAL GEOPARK OF ZHEJIANG PROVINCE, EASTERN SOUTH CHINA. *Palaios*, **2014**, 29, 325-337	1.6	6
153	Transition from oceanic to continental lithosphere subduction in southern Tibet: Evidence from the Late Cretaceous–early Oligocene (~91–30Ma) intrusive rocks in the Chanang–Zedong area, southern Gangdese. *Lithos*, **2014**, 196-197, 213-231	2.9	85
152	Stratigraphic evolution of a Late Triassic to Early Jurassic intracontinental basin in southeastern South China: A consequence of flat-slab subduction?. *Sedimentary Geology*, **2014**, 302, 44-63	2.8	16
151	Detrital zircon U–Pb age and Hf isotope constrains on the generation and reworking of Precambrian continental crust in the Cathaysia Block, South China: A synthesis. *Gondwana Research*, **2014**, 25, 1202-1215	5.1	174
150	Ca. 1.5 Ga mafic magmatism in South China during the break-up of the supercontinent Nuna/Columbia: The Zhuqing Fe–Ti–V oxide ore-bearing mafic intrusions in western Yangtze Block. *Lithos*, **2013**, 168-169, 85-98	2.9	82
149	Revisiting the "C-type adakites" of the Lower Yangtze River Belt, central eastern China: In-situ zircon Hf–O isotope and geochemical constraints. *Chemical Geology*, **2013**, 345, 1-15	4.2	167
148	Early differentiation of the bulk silicate Earth as recorded by the oldest mantle reservoir. *Precambrian Research*, **2013**, 238, 52-60	3.9	11
147	Late Triassic melting of a thickened crust in southeastern China: Evidence for flat-slab subduction of the Paleo-Pacific plate. *Journal of Asian Earth Sciences*, **2013**, 74, 265-279	2.8	41
146	Intraplate crustal remelting as the genesis of Jurassic high-K granites in the coastal region of the Guangdong Province, SE China. *Journal of Asian Earth Sciences*, **2013**, 74, 280-302	2.8	60
145	Early Late Cretaceous (ca. 93Ma) norites and hornblendites in the Milin area, eastern Gangdese: Lithosphere–asthenosphere interaction during slab roll-back and an insight into early Late Cretaceous (ca. 100–80Ma) magmatic "flare-up" in southern Lhasa (Tibet). *Lithos*, **2013**, 172-173, 17-30	2.9	94
144	Late Cretaceous (100–89Ma) magnesian charnockites with adakitic affinities in the Milin area, eastern Gangdese: Partial melting of subducted oceanic crust and implications for crustal growth in southern Tibet. *Lithos*, **2013**, 175-176, 315-332	2.9	113
143	Identification of an ancient mantle reservoir and young recycled materials in the source region of a young mantle plume: Implications for potential linkages between plume and plate tectonics. *Earth and Planetary Science Letters*, **2013**, 377-378, 248-259	5.3	96
142	Quantified spatial relationships between gold mineralisation and key ore genesis controlling factors, and predictive mineralisation mapping, St Ives Goldfield, Western Australia. *Ore Geology Reviews*, **2013**, 54, 157-166	3.2	7

141	Trading partners: Tectonic ancestry of southern Africa and western Australia, in Archean supercratons Vaalbara and Zimgarn. *Precambrian Research*, **2013**, 224, 11-22	3.9	75
140	Intracontinental Eocene-Oligocene Porphyry Cu Mineral Systems of Yunnan, Western Yangtze Craton, China: Compositional Characteristics, Sources, and Implications for Continental Collision Metallogeny. *Economic Geology*, **2013**, 108, 1541-1576	4.3	106
139	Uplift of the West Kunlun Range, northern Tibetan Plateau, dominated by brittle thickening of the upper crust. *Geology*, **2013**, 41, 439-442	5	47
138	Neoproterozoic glaciations in a revised global palaeogeography from the breakup of Rodinia to the assembly of Gondwanaland. *Sedimentary Geology*, **2013**, 294, 219-232	2.8	312
137	Geochemical, Sr-Nd-Pb, and Zircon Hf-O Isotopic Compositions of Eocene-Oligocene Shoshonitic and Potassic Adakite-like Felsic Intrusions in Western Yunnan, SW China: Petrogenesis and Tectonic Implications. *Journal of Petrology*, **2013**, 54, 1309-1348	3.9	129
136	Recycling oceanic crust for continental crustal growth: SrNdHf isotope evidence from granitoids in the western Junggar region, NW China. *Lithos*, **2012**, 128-131, 73-83	2.9	76
135	Geochronological and geochemical results from Mesozoic basalts in southern South China Block support the flat-slab subduction model. *Lithos*, **2012**, 132-133, 127-140	2.9	103
134	Late Carboniferous high Nd(t)Hf(t) granitoids, enclaves and dikes in western Junggar, NW China: Ridge-subduction-related magmatism and crustal growth. *Lithos*, **2012**, 140-141, 86-102	2.9	94
133	Magmatic switch-on and switch-off along the South China continental margin since the Permian: Transition from an Andean-type to a Western Pacific-type plate boundary. *Tectonophysics*, **2012**, 532-535, 271-290	3.1	230
132	The Early Permian active continental margin and crustal growth of the Cathaysia Block: In situ UPb, LuHf and O isotope analyses of detrital zircons. *Chemical Geology*, **2012**, 328, 195-207	4.2	171
131	Late Early Cretaceous adakitic granitoids and associated magnesian and potassium-rich mafic enclaves and dikes in the TunchangBengmu area, Hainan Province (South China): Partial melting of lower crust and mantle, and magma hybridization. *Chemical Geology*, **2012**, 328, 222-243	4.2	54
130	Precambrian evolution and cratonization of the Tarim Block, NW China: Petrology, geochemistry, Nd-isotopes and UPb zircon geochronology from Archaean gabbro-TTGpotassic granite suite and Paleoproterozoic metamorphic belt. *Journal of Asian Earth Sciences*, **2012**, 47, 5-20	2.8	181
129	Late Cretaceous (ca. 90 Ma) adakitic intrusive rocks in the Kelu area, Gangdese Belt (southern Tibet): Slab melting and implications for CuAu mineralization. *Journal of Asian Earth Sciences*, **2012**, 53, 67-81	2.8	79
128	Asthenosphere–lithosphere interaction triggered by a slab window during ridge subduction: Trace element and SrNdHfOs isotopic evidence from Late Carboniferous tholeiites in the western Junggar area (NW China). *Earth and Planetary Science Letters*, **2012**, 329-330, 84-96	5.3	112
127	Pre-Rodinia supercontinent Nuna shaping up: A global synthesis with new paleomagnetic results from North China. *Earth and Planetary Science Letters*, **2012**, 353-354, 145-155	5.3	355
126	Episodic Precambrian crust growth: Evidence from UPb ages and HfO isotopes of zircon in the Nanhua Basin, central South China. *Precambrian Research*, **2012**, 222-223, 386-403	3.9	108
125	Post-kinematic lithospheric delamination of the WuyiYunkai orogen in South China: Evidence from ca. 435Ma high-Mg basalts. *Lithos*, **2012**, 154, 115-129	2.9	103
124	Metasomatized lithosphere–asthenosphere interaction during slab roll-back: Evidence from Late Carboniferous gabbros in the Luotuogou area, Central Tianshan. *Lithos*, **2012**, 155, 67-80	2.9	48

123	Zircon SHRIMP U-Pb geochronology of potassic felsic intrusions in western Yunnan, SW China: Constraints on the relationship of magmatism to the Jinsha suture. *Gondwana Research*, **2012**, 22, 737-747	5.1	96
122	Crustal Melting and Flow beneath Northern Tibet: Evidence from Mid-Miocene to Quaternary Strongly Peraluminous Rhyolites in the Southern Kunlun Range. *Journal of Petrology*, **2012**, 53, 2523-2566	3.9	68
121	Temperature, Pressure, and Composition of the Mantle Source Region of Late Cenozoic Basalts in Hainan Island, SE Asia: a Consequence of a Young Thermal Mantle Plume close to Subduction Zones?. *Journal of Petrology*, **2012**, 53, 177-233	3.9	159
120	Formation of high δ18O fayalite-bearing A-type granite by high-temperature melting of granulitic metasedimentary rocks, southern China: REPLY. *Geology*, **2012**, 40, e278-e278	5	
119	Formation of high δ18O fayalite-bearing A-type granite by high-temperature melting of granulitic metasedimentary rocks, southern China. *Geology*, **2011**, 39, 903-906	5	163
118	Late Triassic high-Mg andesite/dacite suites from northern Hohxil, North Tibet: Geochronology, geochemical characteristics, petrogenetic processes and tectonic implications. *Lithos*, **2011**, 126, 54-67	2.9	86
117	Geochemical and Hf-Nd isotope data of Nanhua rift sedimentary and volcaniclastic rocks indicate a Neoproterozoic continental flood basalt provenance. *Lithos*, **2011**, 127, 427-440	2.9	63
116	Magnetic petrophysical results from the Hamersley Basin and their implications for interpretation of magnetic surveys. *Australian Journal of Earth Sciences*, **2011**, 58, 317-333	1.4	4
115	Nonglacial origin for low-δ18O Neoproterozoic magmas in the South China Block: Evidence from new in-situ oxygen isotope analyses using SIMS. *Geology*, **2011**, 39, 735-738	5	55
114	Late Neoproterozoic 40° intraplate rotation within Australia allows for a tighter-fitting and longer-lasting Rodinia. *Geology*, **2011**, 39, 39-42	5	124
113	Approximating nonlinear relations between susceptibility and magnetic contents in rocks using neural networks. *Tsinghua Science and Technology*, **2010**, 15, 281-287	3.4	5
112	Ca. 850 Ma bimodal volcanic rocks in northeastern Jiangxi Province, South China: Initial extension during the breakup of Rodinia?. *Numerische Mathematik*, **2010**, 310, 951-980	5.3	86
111	A Permian large igneous province in Tarim and Central Asian orogenic belt, NW China: Results of a ca. 275 Ma mantle plume?. *Bulletin of the Geological Society of America*, **2010**, 122, 2020-2040	3.9	114
110	A model for the evolution of the Earth's mantle structure since the Early Paleozoic. *Journal of Geophysical Research*, **2010**, 115,		92
109	Eocene north-south trending dikes in central Tibet: New constraints on the timing of east-west extension with implications for early plateau uplift?. *Earth and Planetary Science Letters*, **2010**, 298, 205-216	5.3	87
108	Ridge subduction and crustal growth in the Central Asian Orogenic Belt: Evidence from Late Carboniferous adakites and high-Mg diorites in the western Junggar region, northern Xinjiang (west China). *Chemical Geology*, **2010**, 277, 281-300	4.2	256
107	Petrology, geochronology and geochemistry of ca. 780 Ma A-type granites in South China: Petrogenesis and implications for crustal growth during the breakup of the supercontinent Rodinia. *Precambrian Research*, **2010**, 178, 185-208	3.9	139
106	Magmatic and metamorphic events during the early Paleozoic Wuyi-Yunkai orogeny, southeastern South China: New age constraints and pressure-temperature conditions. *Bulletin of the Geological Society of America*, **2010**, 122, 772-793	3.9	458

105	Geochronology and geochemistry of Late Paleozoic magmatic rocks in the Lamasu–Dabate area, northwestern Tianshan (west China): Evidence for a tectonic transition from arc to post-collisional setting. *Lithos*, **2010**, 119, 393-411	2.9	120
104	Diverse Permian magmatism in the Tarim Block, NW China: Genetically linked to the Permian Tarim mantle plume?. *Lithos*, **2010**, 119, 537-552	2.9	133
103	The Willouran basic province of South Australia: Its relation to the Guibei large igneous province in South China and the breakup of Rodinia. *Lithos*, **2010**, 119, 569-584	2.9	57
102	Variable involvements of mantle plumes in the genesis of mid-Neoproterozoic basaltic rocks in South China: A review. *Gondwana Research*, **2009**, 15, 381-395	5.1	116
101	Mutual complement between statistical and neural network approaches for rock magnetism data analysis. *Expert Systems With Applications*, **2009**, 36, 9678-9682	7.8	9
100	Assembly and Breakup of Rodinia (Some results of IGCP project 440). *Stratigraphy and Geological Correlation*, **2009**, 17, 259-274	1.2	79
99	A palaeogeographic context for Neoproterozoic glaciation. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2009**, 277, 158-172	2.9	256
98	Supercontinent–superplume coupling, true polar wander and plume mobility: Plate dominance in whole-mantle tectonics. *Physics of the Earth and Planetary Interiors*, **2009**, 176, 143-156	2.3	173
97	SHRIMP zircon U–Pb age constraints on Neoproterozoic Quruqtagh diamictites in NW China. *Precambrian Research*, **2009**, 168, 247-258	3.9	215
96	The South China piece in the Rodinian puzzle: A reply to the comment by Munteanu and Wilson. *Precambrian Research*, **2009**, 171, 77-79	3.9	4
95	How not to build a supercontinent: A reply to J.D.A. Piper. *Precambrian Research*, **2009**, 174, 208-214	3.9	14
94	Amalgamation between the Yangtze and Cathaysia Blocks in South China: Constraints from SHRIMP U–Pb zircon ages, geochemistry and Nd–Hf isotopes of the Shuangxiwu volcanic rocks. *Precambrian Research*, **2009**, 174, 117-128	3.9	711
93	Neoproterozoic mafic dyke swarms at the northern margin of the Tarim Block, NW China: Age, geochemistry, petrogenesis and tectonic implications. *Journal of Asian Earth Sciences*, **2009**, 35, 167-179	2.8	194
92	Was Cathaysia part of Proterozoic Laurentia? –New data from Hainan Island, south China. *Terra Nova*, **2008**, 20, 154-164	3	152
91	Age and origin of high Ba–Sr appinite–granites at the northwestern margin of the Tibet Plateau: Implications for early Paleozoic tectonic evolution of the Western Kunlun orogenic belt. *Gondwana Research*, **2008**, 13, 126-138	5.1	96
90	Obduction-type granites within the NE Jiangxi Ophiolite: Implications for the final amalgamation between the Yangtze and Cathaysia Blocks. *Gondwana Research*, **2008**, 13, 288-301	5.1	184
89	850–790 Ma bimodal volcanic and intrusive rocks in northern Zhejiang, South China: A major episode of continental rift magmatism during the breakup of Rodinia. *Lithos*, **2008**, 102, 341-357	2.9	330
88	The Bikou basalts in the northwestern Yangtze block, South China: Remnants of 820-810 Ma continental flood basalts?. *Bulletin of the Geological Society of America*, **2008**, 120, 1478-1492	3.9	162

87	The oldest known rocks in southwestern China: SHRIMP U-Pb magmatic crystallisation age and detrital provenance analysis of the Paleoproterozoic Dahongshan Group. *Journal of Asian Earth Sciences*, **2008**, 33, 289-302	2.8	207
86	Global record of 1600–700Ma Large Igneous Provinces (LIPs): Implications for the reconstruction of the proposed Nuna (Columbia) and Rodinia supercontinents. *Precambrian Research*, **2008**, 160, 159-178	3.9	378
85	Assembly, configuration, and break-up history of Rodinia: A synthesis. *Precambrian Research*, **2008**, 160, 179-210	3.9	2213
84	Middle Neoproterozoic syn-rifting volcanic rocks in Guangfeng, South China: petrogenesis and tectonic significance. *Geological Magazine*, **2008**, 145, 475-489	2	57
83	A Permian Layered Intrusive Complex in the Western Tarim Block, Northwestern China: Product of a Ca. 275-Ma Mantle Plume?. *Journal of Geology*, **2008**, 116, 269-287	2	136
82	SHRIMP U-Pb zircon age of tuff at the bottom of the Lower Cambrian Niutitang Formation, Zunyi, South China. *Science Bulletin*, **2008**, 53, 576-583		26
81	Ca. 825 Ma komatiitic basalts in South China: First evidence for >1500 °C mantle melts by a Rodinian mantle plume. *Geology*, **2007**, 35, 1103	5	139
80	SHRIMP zircon U-Pb geochronological and whole-rock geochemical evidence for an early Neoproterozoic Sibaoan magmatic arc along the southeastern margin of the Yangtze Block. *Gondwana Research*, **2007**, 12, 144-156	5.1	294
79	An early Paleoproterozoic high-K intrusive complex in southwestern Tarim Block, NW China: Age, geochemistry, and tectonic implications. *Gondwana Research*, **2007**, 12, 101-112	5.1	118
78	Age and origin of middle Neoproterozoic mafic magmatism in southern Yangtze Block and relevance to the break-up of Rodinia. *Gondwana Research*, **2007**, 12, 184-197	5.1	115
77	U-Pb zircon, geochemical and Sr-Nd-Hf isotopic constraints on age and origin of Jurassic I- and A-type granites from central Guangdong, SE China: A major igneous event in response to foundering of a subducted flat-slab?. *Lithos*, **2007**, 96, 186-204	2.9	534
76	Contrasting zircon Hf and O isotopes in the two episodes of Neoproterozoic granitoids in South China: Implications for growth and reworking of continental crust. *Lithos*, **2007**, 96, 127-150	2.9	450
75	On the genetic classification and tectonic implications of the Early Yanshanian granitoids in the Nanling Range, South China. *Science Bulletin*, **2007**, 52, 1873-1885		191
74	Neoproterozoic ultramafic–mafic-carbonatite complex and granitoids in Quruqtagh of northeastern Tarim Block, western China: Geochronology, geochemistry and tectonic implications. *Precambrian Research*, **2007**, 152, 149-169	3.9	179
73	Reply to the comment by Zhou et al. on: "Revisiting the "Yanbian Terrane": Implications for Neoproterozoic tectonic evolution of the western Yangtze Block, South China" [Precambrian Res. 151 (2006) 145–150] [Precambrian Res. 154 (2007) 153–157]. *Precambrian Research*, **2007**, 155, 318-323	3.9	25
72	Understanding dual geochemical characters in a geological context for the Gaojiacun intrusion: Response to Munteanu and Yao's discussion [Precambrian Res. 154 (2007) 164–167]. *Precambrian Research*, **2007**, 155, 328-332	3.9	9
71	Early history of the eastern Sibao Orogen (South China) during the assembly of Rodinia: New mica 40Ar/39Ar dating and SHRIMP U-Pb detrital zircon provenance constraints. *Precambrian Research*, **2007**, 159, 79-94	3.9	242
70	Supercontinent cycles, true polar wander, and very long-wavelength mantle convection. *Earth and Planetary Science Letters*, **2007**, 261, 551-564	5.3	192

69	Formation of the 1300-km-wide intracontinental orogen and postorogenic magmatic province in Mesozoic South China: A flat-slab subduction model. *Geology*, **2007**, 35, 179	5	1276
68	Neoproterozoic Bimodal Intrusive Complex in the Southwestern Tarim Block, Northwest China: Age, Geochemistry, and Implications for the Rifting of Rodinia. *International Geology Review*, **2006**, 48, 112-128	2.3	87
67	Initiation of the Indosinian Orogeny in South China: Evidence for a Permian Magmatic Arc on Hainan Island. *Journal of Geology*, **2006**, 114, 341-353	2	272
66	New Precambrian palaeomagnetic constraints on the position of the North China Block in Rodinia. *Precambrian Research*, **2006**, 144, 213-238	3.9	73
65	Geochemistry of the 755Ma Mundine Well dyke swarm, northwestern Australia: Part of a Neoproterozoic mantle superplume beneath Rodinia?. *Precambrian Research*, **2006**, 146, 1-15	3.9	252
64	Revisiting the Yanbian Terrane: Implications for Neoproterozoic tectonic evolution of the western Yangtze Block, South China. *Precambrian Research*, **2006**, 151, 14-30	3.9	182
63	Late Mesoproterozoic to earliest Neoproterozoic basin record of the Sibao orogenesis in western South China and relationship to the assembly of Rodinia. *Precambrian Research*, **2006**, 151, 79-100	3.9	268
62	Neoproterozoic bimodal magmatism in the Cathaysia Block of South China and its tectonic significance. *Precambrian Research*, **2005**, 136, 51-66	3.9	237
61	Formation of the Jinchuan ultramafic intrusion and the world's third largest Ni-Cu sulfide deposit: Associated with the ~825 Ma south China mantle plume?. *Geochemistry, Geophysics, Geosystems*, **2005**, 6, n/a-n/a	3.6	121
60	New paleomagnetic results from the Yangzhuang Formation of the Jixian System, North China, and tectonic implications. *Science Bulletin*, **2005**, 50, 1483		48
59	Reply to the comment: Mantle plume-, but not arc-related Neoproterozoic magmatism in South China. *Precambrian Research*, **2004**, 132, 405-405	3.9	
58	Reply to the comment: Mantle plume-, but not arc-related Neoproterozoic magmatism in South China. *Precambrian Research*, **2004**, 132, 405-407	3.9	24
57	A 90 spin on Rodinia: possible causal links between the Neoproterozoic supercontinent, superplume, true polar wander and low-latitude glaciation. *Earth and Planetary Science Letters*, **2004**, 220, 409-421	5.3	192
56	Assembly and Break-up of Rodinia and Gondwana: Evidence from Eurasia and Gondwana: Introduction. *Gondwana Research*, **2003**, 6, 139-142	5.1	7
55	Palaeomagnetic results from the ca. 1130 Ma Borgmassivet intrusions in the Ahlmannryggen region of Dronning Maud Land, Antarctica, and tectonic implications. *Tectonophysics*, **2003**, 375, 247-260	3.1	29
54	Precambrian tectonics of East Asia and relevance to supercontinent evolution. *Precambrian Research*, **2003**, 122, 1-6	3.9	44
53	Neoproterozoic granitoids in South China: crustal melting above a mantle plume at ca. 825 Ma?. *Precambrian Research*, **2003**, 122, 45-83	3.9	629
52	Geochronology of Neoproterozoic syn-rift magmatism in the Yangtze Craton, South China and correlations with other continents: evidence for a mantle superplume that broke up Rodinia. *Precambrian Research*, **2003**, 122, 85-109	3.9	885

51	History of Neoproterozoic rift basins in South China: implications for Rodinia break-up. *Precambrian Research*, **2003**, 122, 141-158	3.9	813
50	Grenvillian continental collision in south China: New SHRIMP U-Pb zircon results and implications for the configuration of Rodinia. *Geology*, **2002**, 30, 163	5	599
49	Reply to the comment of Clarke and Pillans on "Onset of aridity in Southern Western Australia: preliminary palaeomagnetic appraisal" [Global and Planetary Change 18 (1998) 175–187]. *Global and Planetary Change*, **2002**, 32, 283-286	4.2	3
48	U–Pb zircon geochronology, geochemistry and Nd isotopic study of Neoproterozoic bimodal volcanic rocks in the Kangdian Rift of South China: implications for the initial rifting of Rodinia. *Precambrian Research*, **2002**, 113, 135-154	3.9	420
47	An outline of the palaeogeographic evolution of the Australasian region since the beginning of the Neoproterozoic. *Earth-Science Reviews*, **2001**, 53, 237-277	10.2	419
46	South China in Rodinia: An Update. *Gondwana Research*, **2001**, 4, 685-686	5.1	7
45	Sequence Stratigraphy and Evolution of the Neoproterozoic Marginal Basins Along Southeastern Yangtze Craton, South China. *Gondwana Research*, **2001**, 4, 17-26	5.1	28
44	A palaeomagnetic study of Empress 1A, a stratigraphic drillhole in the Officer Basin: evidence for a low-latitude position of Australia in the Neoproterozoic. *Precambrian Research*, **2001**, 110, 93-108	3.9	32
43	Magnetostratigraphic record of the Late Miocene onset of the East Asian monsoon, and Pliocene uplift of northern Tibet. *Earth and Planetary Science Letters*, **2001**, 187, 83-93	5.3	186
42	Palaeomagnetic evidence for unification of the North and West Australian cratons by ca.1.7 Ga: new results from the Kimberley Basin of northwestern Australia. *Geophysical Journal International*, **2000**, 142, 173-180	2.6	60
41	New paleomagnetic results from the Neoproterozoic successions in southern North China Block and paleogeographic implications. *Science in China Series D: Earth Sciences*, **2000**, 43, 233-244		34
40	A high-quality mid-Neoproterozoic paleomagnetic pole from South China, with implications for ice ages and the breakup configuration of Rodinia. *Precambrian Research*, **2000**, 100, 313-334	3.9	124
39	New palaeomagnetic results from the "cap dolomite" of the Neoproterozoic Walsh Tillite, northwestern Australia. *Precambrian Research*, **2000**, 100, 359-370	3.9	49
38	830-820 Ma Mafic to Felsic Igneous Activity in South China and the Breakup of Rodinia. *Gondwana Research*, **1999**, 2, 591	5.1	3
37	Nanhua Rift: A Story of Continental Rift Related to Rodinia Break-up. *Gondwana Research*, **1999**, 2, 614-615	5.1	3
36	The breakup of Rodinia: did it start with a mantle plume beneath South China?. *Earth and Planetary Science Letters*, **1999**, 173, 171-181	5.3	655
35	Synorogenic hydrothermal origin for giant Hamersley iron oxide ore bodies. *Geology*, **1999**, 27, 175	5	102
34	Multimodal investigation of thermally induced changes in magnetic fabric and magnetic mineralogy. *Geophysical Journal International*, **1998**, 135, 988-998	2.6	6

33	Onset of aridity in southern Western Australia: preliminary palaeomagnetic appraisal. *Global and Planetary Change*, **1998**, 18, 175-187	4.2	42
32	Self demagnetisation corrections in magnetic modelling: some examples. *Exploration Geophysics*, **1998**, 29, 396-401	1	11
31	A pre-2.2 Ga age for giant hematite ores of the Hamersley Province, Australia?. *Economic Geology*, **1998**, 93, 1084-1090	4.3	95
30	Relationship between northwestern Tasmania and East Gondwanaland in the Late Cambrian/Early Ordovician: Paleomagnetic evidence. *Tectonics*, **1997**, 16, 161-171	4.3	31
29	Oroclinal bending and block rotations in South China since the Mesozoic. *Science Bulletin*, **1997**, 42, 132-136		1
28	Permo-Triassic magnetostratigraphy in China: the type section near Taiyuan, Shanxi Province, North China. *Geophysical Journal International*, **1996**, 126, 382-388	2.6	53
27	Positions of the East Asian cratons in the Neoproterozoic supercontinent Rodinia. *Australian Journal of Earth Sciences*, **1996**, 43, 593-604	1.4	241
26	South China in Rodinia: Part of the missing link between Australia-East Antarctica and Laurentia?. *Geology*, **1995**, 23, 407	5	549
25	Palaeomagnetic dating and tectonic significance of dolerite intrusions in the Albany Mobile Belt, Western Australia. *Earth and Planetary Science Letters*, **1995**, 131, 143-164	5.3	28
24	Paleomagnetism of the Upper Devonian reef complexes, Canning Basin, Western Australia. *Tectonics*, **1995**, 14, 154-167	4.3	11
23	Vertical-axis block rotations in southwestern China since the Cretaceous: New Paleomagnetic results from Hainan Island. *Geophysical Research Letters*, **1995**, 22, 3071-3074	4.9	29
22	Collision between the North and South China blocks: A crustal-detachment model for suturing in the region east of the Tanlu fault. *Geology*, **1994**, 22, 739	5	260
21	Reconstruction of the Panthalassan margin of Gondwanaland. *Memoir of the Geological Society of America*, **1994**, 5-10		35
20	An Early Carboniferous paleomagnetic pole for Gondwanaland: New results from the Mount Eclipse Sandstone in the Ngalia Basin, central Australia. *Journal of Geophysical Research*, **1994**, 99, 2909-2924		22
19	South Australian record of a Rodinian epicontinental basin and its mid-neoproterozoic breakup (~700 Ma) to form the Palaeo-Pacific Ocean. *Tectonophysics*, **1994**, 237, 113-140	3.1	160
18	Paleomagnetic and rock magnetic investigations of the Changxing Permian-Triassic section, Zhejiang Province, China. *Geophysical Research Letters*, **1993**, 20, 1667-1670	4.9	14
17	Paleomagnetic constraints on timing of the Neoproterozoic breakup of Rodinia and the Cambrian formation of Gondwana. *Geology*, **1993**, 21, 889	5	273
16	New Late Palaeozoic Palaeomagnetic Results from Cratonic Australia, and Revision of the Gondwanan Apparent Polar Wander Path. *Exploration Geophysics*, **1993**, 24, 263-267	1	11

15	Palaeomagnetic Tests of Tectonic Models of the Tasman Fold Belt during the Neoproterozoic and Palaeozoic. *Exploration Geophysics*, **1993**, 24, 243-246	1	3
14	Timing and Genesis of Hamersley Iron-ore Deposits. *Exploration Geophysics*, **1993**, 24, 631-636	1	28
13	A plate-tectonic speed limit?. *Nature*, **1993**, 363, 216-217	50.4	88
12	Palaeomagnetism of the Brewer Conglomerate in central Australia, and fast movement of Gondwanaland during the Late Devonian. *Geophysical Journal International*, **1993**, 115, 564-574	2.6	34
11	Magnetic fabric in mid-Cambrian rocks of the Central Flinders Zone and implications for the regional tectonic history. *Tectonophysics*, **1993**, 223, 165-176	3.1	3
10	Palaeomagnetic Dating of Mineral Deposits: A Brief Review and a Western Australian Perspective. *Exploration Geophysics*, **1992**, 23, 373-379	1	1
9	Syn-deformational and drilling-induced remanent magnetizations from diamond drill cores of the Mt Eclipse Sandstone, Central Australia. *Australian Journal of Earth Sciences*, **1991**, 38, 473-484	1.4	8
8	Review of seafloor spreading around Australia. II. Marine magnetic anomaly modelling. *Australian Journal of Earth Sciences*, **1991**, 38, 391-408	1.4	61
7	Australian Palaeozoic palaeomagnetism and tectonics I. Tectonostratigraphic terrane constraints from the Tasman Fold Belt. *Journal of Structural Geology*, **1990**, 12, 553-565	3	36
6	Australian Palaeozoic palaeomagnetism and tectonics II. A revised apparent polar wander path and palaeogeography. *Journal of Structural Geology*, **1990**, 12, 567-575	3	43
5	Reliability of Palaeozoic palaeomagnetic poles and APWP of Gondwanaland. *Tectonophysics*, **1990**, 184, 87-100	3.1	34
4	Syn-deformational remanent magnetization of the Mount Eclipse Sandstone, central Australia. *Geophysical Journal International*, **1989**, 99, 205-222	2.6	22
3	Paleomagnetism of the Hervey Group, Central New South Wales and its tectonic implications. *Tectonics*, **1988**, 7, 351-367	4.3	27
2	Archean geodynamics: Ephemeral supercontinents or long-lived supercratons. *Geology*,	5	13
1	Recalibrating Rodinian rifting in the northwestern United States. *Geology*,	5	6