Alan Collins

List of Publications by Citations

196 papers	11,675 citations	53 h-index	104 g-index
234 ext. papers	12,985 ext. citations	3.6 avg, IF	6.46 L-index

#	Paper	IF	Citations
196	Assembly, configuration, and break-up history of Rodinia: A synthesis. *Precambrian Research*, **2008**, 160, 179-210	3.9	2213
195	Amalgamating eastern Gondwana: The evolution of the Circum-Indian Orogens. *Earth-Science Reviews*, **2005**, 71, 229-270	10.2	672
194	Late Cryogenian–Ediacaran history of the Arabian–Nubian Shield: A review of depositional, plutonic, structural, and tectonic events in the closing stages of the northern East African Orogen. *Journal of African Earth Sciences*, **2011**, 61, 167-232	2.2	452
193	Orogen styles in the East African Orogen: A review of the Neoproterozoic to Cambrian tectonic evolution. *Journal of African Earth Sciences*, **2013**, 86, 65-106	2.2	436
192	A full-plate global reconstruction of the Neoproterozoic. *Gondwana Research*, **2017**, 50, 84-134	5.1	341
191	The Tectonic Evolution of Central and Northern Madagascar and Its Place in the Final Assembly of Gondwana. *Journal of Geology*, **2002**, 110, 325-339	2	240
190	Passage through India: the Mozambique Ocean suture, high-pressure granulites and the Palghat-Cauvery shear zone system. *Terra Nova*, **2007**, 19, 141-147	3	208
189	Peninsular India in Gondwana: The tectonothermal evolution of the Southern Granulite Terrain and its Gondwanan counterparts. *Gondwana Research*, **2014**, 25, 190-203	5.1	197
188	Processes of Late Cretaceous to Late Miocene episodic thrust-sheet translation in the Lycian Taurides, SW Turkey. *Journal of the Geological Society*, **1998**, 155, 759-772	2.7	187
187	SHRIMP U–Pb age constraints on magmatism and high-grade metamorphism in the Salem Block, southern India. *Gondwana Research*, **2009**, 16, 27-36	5.1	170
186	Madagascar and the amalgamation of Central Gondwana. *Gondwana Research*, **2006**, 9, 3-16	5.1	165
185	Age and sedimentary provenance of the Southern Granulites, South India: U-Th-Pb SHRIMP secondary ion mass spectrometry. *Precambrian Research*, **2007**, 155, 125-138	3.9	159
184	Lycian melange, southwestern Turkey: An emplaced Late Cretaceous accretionary complex. *Geology*, **1997**, 25, 255	5	140
183	Delineating crustal domains in Peninsular India: Age and chemistry of orthopyroxene-bearing felsic gneisses in the Madurai Block. *Precambrian Research*, **2012**, 198-199, 77-93	3.9	133
182	The timing of ultrahigh-temperature metamorphism in Southern India: U–Th–Pb electron microprobe ages from zircon and monazite in sapphirine-bearing granulites. *Gondwana Research*, **2006**, 10, 128-155	5.1	129
181	High-Temperature Granite Magmatism, Crust–Mantle Interaction and the Mesoproterozoic Intracontinental Evolution of the Musgrave Province, Central Australia. *Journal of Petrology*, **2011**, 52, 931-958	3.9	126
180	Structural and thermal history of poly-orogenic basement: U–Pb geochronology of granitoid rocks in the southern Menderes Massif, Western Turkey. *Journal of the Geological Society*, **2004**, 161, 93-101	2.7	122

179	Testing models of Late Palaeozoic–Early Mesozoic orogeny in Western Turkey: support for an evolving open-Tethys model. *Journal of the Geological Society*, **2004**, 161, 501-511	2.7	115
178	Microblock amalgamation in the North China Craton: Evidence from Neoarchaean magmatic suite in the western margin of the Jiaoliao Block. *Gondwana Research*, **2016**, 31, 96-123	5.1	113
177	Cadomian (Ediacaran–Cambrian) arc magmatism in the Bitlis Massif, SE Turkey: Magmatism along the developing northern margin of Gondwana. *Tectonophysics*, **2009**, 473, 99-112	3.1	110
176	U–Pb SIMS dating of synkinematic granites: timing of core-complex formation in the northern Anatolide belt of western Turkey. *Journal of the Geological Society*, **2005**, 162, 289-298	2.7	110
175	Alternative tectonic models for the Late Palaeozoic-Early Tertiary development of Tethys in the Eastern Mediterranean region. *Geological Society Special Publication*, **1996**, 105, 239-263	1.7	109
174	Evolution of the Lycian Allochthon, western Turkey, as a north-facing Late Palaeozoic to Mesozoic rift and passive continental margin. *Geological Journal*, **1999**, 34, 107-138	1.7	102
173	Ediacaran terrane accretion within the Arabian–Nubian Shield. *Gondwana Research*, **2012**, 21, 341-352	5.1	101
172	Temporal constraints on Palaeoproterozoic eclogite formation and exhumation (Usagaran Orogen, Tanzania). *Earth and Planetary Science Letters*, **2004**, 224, 175-192	5.3	98
171	Neoproterozoic extensional detachment in central Madagascar: implications for the collapse of the East African Orogen. *Geological Magazine*, **2000**, 137, 39-51	2	96
170	The P-T-t architecture of a Gondwanan suture: REE, U–Pb and Ti-in-zircon thermometric constraints from the Palghat Cauvery shear system, South India. *Precambrian Research*, **2009**, 174, 129-144	3.9	94
169	Proterozoic Tectonostratigraphy and Paleogeography of Central Madagascar Derived from Detrital Zircon U-Pb Age Populations. *Journal of Geology*, **2004**, 112, 379-399	2	93
168	Structure and age of the northern Leeuwin Complex, Western Australia: Constraints from field mapping and U–Pb isotopic analysis. *Australian Journal of Earth Sciences*, **2003**, 50, 585-599	1.4	89
167	Detrital footprint of the Mozambique ocean: U–Pb SHRIMP and Pb evaporation zircon geochronology of metasedimentary gneisses in eastern Madagascar. *Tectonophysics*, **2003**, 375, 77-99	3.1	88
166	Arabian Shield magmatic cycles and their relationship with Gondwana assembly: Insights from zircon U–Pb and Hf isotopes. *Earth and Planetary Science Letters*, **2014**, 408, 207-225	5.3	84
165	Cryogenian (~830Ma) mafic magmatism and metamorphism in the northern Madurai Block, southern India: A magmatic link between Sri Lanka and Madagascar?. *Journal of Asian Earth Sciences* , **2011**, 42, 223-233	2.8	80
164	Late Neoproterozoic and Early Cambrian palaeogeography: models and problems. *Geological Society Special Publication*, **2008**, 294, 9-31	1.7	79
163	Structure of the eastern margin of the East African Orogen in central Madagascar. *Precambrian Research*, **2003**, 123, 111-133	3.9	79
162	Late Neoproterozoic-Cambrian Felsic Magmatism Along Transcrustal Shear Zones in Southern India: U-Pb Electron Microprobe Ages and Implications for the Amalgamation of the Gondwana Supercontinent. *Gondwana Research*, **2005**, 8, 31-42	5.1	78

161	Detrital zircons in basement metasedimentary protoliths unveil the origins of southern India. *Bulletin of the Geological Society of America*, **2014**, 126, 791-811	3.9	77
160	Kinematic evidence for Late Mesozoic–Miocene emplacement of the Lycian Allochthon over the Western Anatolide Belt, SW Turkey. *Geological Journal*, **2003**, 38, 295-310	1.7	74
159	Prograde and retrograde growth of monazite in migmatites: An example from the Nagercoil Block, southern India. *Geoscience Frontiers*, **2015**, 6, 373-387	6	73
158	Geologically constraining India in Columbia: The age, isotopic provenance and geochemistry of the protoliths of the Ongole Domain, Southern Eastern Ghats, India. *Gondwana Research*, **2014**, 26, 888-906	5.1	70
157	High-pressure granulites at the dawn of the Proterozoic. *Geology*, **2012**, 40, 431-434	5	70
156	Hot orogens and supercontinent amalgamation: A Gondwanan example from southern India. *Gondwana Research*, **2015**, 28, 1310-1328	5.1	67
155	Dating of lithospheric buckling: 40Ar/39Ar ages of syn-orocline strike-slip shear zones in northwestern Iberia. *Tectonophysics*, **2015**, 643, 44-54	3.1	67
154	Depositional age, provenance and metamorphic age of metasedimentary rocks from southern Madagascar. *Gondwana Research*, **2012**, 21, 353-361	5.1	66
153	Evidence of Precambrian sedimentation/magmatism and Cambrian metamorphism in the Bitlis Massif, SE Turkey utilising whole-rock geochemistry and U–Pb LA-ICP-MS zircon dating. *Gondwana Research*, **2012**, 21, 1001-1018	5.1	66
152	Detrital mineral age, radiogenic isotopic stratigraphy and tectonic significance of the Cuddapah Basin, India. *Gondwana Research*, **2015**, 28, 1294-1309	5.1	65
151	The anatomy of a deep intracontinental orogen. *Tectonics*, **2010**, 29, n/a-n/a	4.3	65
150	Discovery of a Neoproterozoic basin in the Prydz belt in East Antarctica and its implications for Gondwana assembly and ultrahigh temperature metamorphism. *Precambrian Research*, **2008**, 161, 355-388	3.9	65
149	Recognition and tectonic implications of an extensive Neoproterozoic volcano-sedimentary rift basin along the southwestern margin of the Tarim Craton, northwestern China. *Precambrian Research*, **2015**, 257, 65-82	3.9	64
148	Basin redox and primary productivity within the Mesoproterozoic Roper Seaway. *Chemical Geology*, **2016**, 440, 101-114	4.2	64
147	Shyok Suture Zone, N Pakistan: late Mesozoic–Tertiary evolution of a critical suture separating the oceanic Ladakh Arc from the Asian continental margin. *Journal of Asian Earth Sciences*, **2002**, 20, 309-351	2.8	60
146	Extending full-plate tectonic models into deep time: Linking the Neoproterozoic and the Phanerozoic. *Earth-Science Reviews*, **2021**, 214, 103477	10.2	59
145	Complex high-strain deformation in the Usagaran Orogen, Tanzania: structural setting of Palaeoproterozoic eclogites. *Tectonophysics*, **2003**, 375, 101-123	3.1	53
144	Mesozoic reactivation of the Beishan, southern Central Asian Orogenic Belt: Insights from low-temperature thermochronology. *Gondwana Research*, **2017**, 43, 107-122	5.1	52

143	Terrane analysis along a Neoproterozoic active margin of Gondwana: insights from U–Pb zircon geochronology. *Journal of the Geological Society*, **2007**, 164, 57-60	2.7	52
142	Crustal root of the Eastern Dharwar Craton: Zircon U–Pb age and Lu–Hf isotopic evolution of the East Salem Block, southeast India. *Precambrian Research*, **2014**, 249, 229-246	3.9	50
141	Provenance and age constraints of the South Stack Group, Anglesey, UK: U–Pb SIMS detrital zircon data.. *Journal of the Geological Society*, **2004**, 161, 743-746	2.7	49
140	Depositional constraints and age of metamorphism in southern India: U–Pb chemical (EMPA) and isotopic (SIMS) ages from the Trivandrum Block. *Geological Magazine*, **2005**, 142, 255-268	2	49
139	Rift and plate boundary evolution across two supercontinent cycles. *Global and Planetary Change*, **2019**, 173, 1-14	4.2	49
138	The evolution of a Gondwanan collisional orogen: A structural and geochronological appraisal from the Southern Granulite Terrane, South India. *Tectonics*, **2015**, 34, 820-857	4.3	46
137	Amazonian Mesoproterozoic basement in the core of the Ibero-Armorican Arc: 40Ar/39Ar detrital mica ages complement the zircon's tale. *Geology*, **2005**, 33, 637-640	5	45
136	Genesis of the Tonian Imorona–Itsindro magmatic Suite in central Madagascar: Insights from U–Pb, oxygen and hafnium isotopes in zircon. *Precambrian Research*, **2016**, 281, 312-337	3.9	44
135	Geochemical and isotopic constraints on island arc, synorogenic, post-orogenic and anorogenic granitoids in the Arabian Shield, Saudi Arabia. *Lithos*, **2015**, 220-223, 97-115	2.9	43
134	Kinematic constraints on the Rodinia to Gondwana transition. *Precambrian Research*, **2017**, 299, 132-150	3.9	42
133	Review of major shale-dominated detachment and thrust characteristics in the diagenetic zone: Part I, meso- and macro-scopic scale. *Earth-Science Reviews*, **2017**, 173, 168-228	10.2	42
132	South Australian U-Pb zircon (CA-ID-TIMS) age supports globally synchronous Sturtian deglaciation. *Precambrian Research*, **2018**, 315, 257-263	3.9	41
131	Final Subduction Processes of the Paleo-Asian Ocean in the Alxa Tectonic Belt (NW China): Constraints From Field and Chronological Data of Permian Arc-Related Volcano-Sedimentary Rocks. *Tectonics*, **2018**, 37, 1658-1687	4.3	40
130	Differential Exhumation and Crustal Tilting in the Easternmost Tianshan (Xinjiang, China), Revealed by Low-Temperature Thermochronology. *Tectonics*, **2017**, 36, 2142-2158	4.3	39
129	Amazonian Mesoproterozoic basement in the core of the Ibero-Armorican Arc: 40Ar/39Ar detrital mica ages complement the zircon's tale. *Geology*, **2005**, 33, 637	5	39
128	Detrital zircon analysis of the southwest Indochina terrane, central Thailand: Unravelling the Indosinian orogeny. *Bulletin of the Geological Society of America*, **2016**, 128, 1024-1043	3.9	37
127	Sea ice-free conditions during the Sturtian glaciation (early Cryogenian), South Australia. *Geology*, **2011**, 39, 31-34	5	36
126	Thermochronological insights into the structural contact between the Tian Shan and Pamirs, Tajikistan. *Terra Nova*, **2018**, 30, 95-104	3	36

125	Age and provenance of the Cryogenian to Cambrian passive margin to foreland basin sequence of the northern Paraguay Belt, Brazil. *Bulletin of the Geological Society of America*, **2015**, 127, 76-86	3.9	35
124	G'day Gondwana – the final accretion of a supercontinent: U-Pb ages from the post-orogenic São Vicente Granite, northern Paraguay Belt, Brazil. *Gondwana Research*, **2012**, 21, 316-322	5.1	35
123	Ediacaran intracontinental channel flow. *Geology*, **2009**, 37, 291-294	5	34
122	Age and hafnium isotopic evolution of the Didesa and Kemashi Domains, western Ethiopia. *Precambrian Research*, **2015**, 270, 267-284	3.9	33
121	Spatial and temporal variation in detrital zircon age provenance of the hydrocarbon-bearing upper Roper Group, Beetaloo Sub-basin, Northern Territory, Australia. *Precambrian Research*, **2018**, 304, 140-155	3.9	33
120	Gemstone Mineralization in the Palghat-Cauvery Shear Zone System (Karur-Kangayam Belt), Southern India. *Gondwana Research*, **2003**, 6, 911-918	5.1	33
119	Supra-subduction zone tectonic setting of the Muslim Bagh Ophiolite, northwestern Pakistan: Insights from geochemistry and petrology. *Lithos*, **2014**, 202-203, 190-206	2.9	32
118	The Tectonic Evolution of Madagascar: Its Place in the East African Orogen. *Gondwana Research*, **2000**, 3, 549-552	5.1	31
117	New chronological constrains on the tectonic affinity of the Alxa Block, NW China. *Precambrian Research*, **2017**, 299, 230-243	3.9	30
116	Two Cryogenian glacial successions compared: Aspects of the Sturt and Elatina sediment records of South Australia. *Precambrian Research*, **2011**, 186, 147-168	3.9	30
115	Late Neoproterozoic gabbro emplacement followed by early Cambrian eclogite-facies metamorphism in the Menderes Massif (W. Turkey): Implications on the final assembly of Gondwana. *Gondwana Research*, **2016**, 34, 158-173	5.1	29
114	Review of major shale-dominated detachment and thrust characteristics in the diagenetic zone: Part II, rock mechanics and microscopic scale. *Earth-Science Reviews*, **2018**, 176, 19-50	10.2	29
113	U-Pb zircon crystallization age of the Muslim Bagh ophiolite: Enigmatic remains of an extensive pre-Himalayan arc. *Geology*, **2012**, 40, 1099-1102	5	29
112	Thermochronological and geochemical footprints of post-orogenic fluid alteration recorded in apatite: Implications for mineralisation in the Uzbek Tian Shan. *Gondwana Research*, **2019**, 71, 1-15	5.1	29
111	Sedimentological and provenance response to Cambrian closure of the Clymene ocean: The upper Alto Paraguai Group, Paraguay belt, Brazil. *Gondwana Research*, **2012**, 21, 323-340	5.1	28
110	Lutetian arc-type magmatism along the southern Eurasian margin: New U-Pb LA-ICPMS and whole-rock geochemical data from Marmara Island, NW Turkey. *Mineralogy and Petrology*, **2009**, 96, 177-196	1.6	27
109	Chapter 10 Neoproterozoic-Cambrian Biogeochemical Evolution. *Neoproterozoic-Cambrian Tectonics, Global Change and Evolution: A Focus on South Western Gondwana*, **2009**, 351-365		27
108	Comment on "First report of garnet–corundum rocks from southern India: Implications for prograde high-pressure (eclogite-facies?) metamorphism" *Earth and Planetary Science Letters*, **2006**, 249, 529-534	5.3	27

107	Tonian Arc Magmatism in Central Madagascar: The Petrogenesis of the Imorona-Itsindro Suite. *Journal of Geology*, **2017**, 125, 271-297	2	26
106	Determination of the tectonic evolution from fractures, faults, and calcite twins on the southwestern margin of the Indochina Block. *Tectonics*, **2015**, 34, 1576-1599	4.3	25
105	Unravelling the complexities in high-grade rocks using multiple techniques: the Achankovil Zone of southern India. *Contributions To Mineralogy and Petrology*, **2015**, 169, 1	3.5	25
104	A middle–late Ediacaran volcano-sedimentary record from the eastern Arabian-Nubian shield. *Terra Nova*, **2014**, 26, 120-129	3	25
103	Multi-scale analysis of Proterozoic shear zones: An integrated structural and geophysical study. *Journal of Structural Geology*, **2009**, 31, 1238-1254	3	25
102	Thermal history and differential exhumation across the Eastern Musgrave Province, South Australia: Insights from low-temperature thermochronology. *Tectonophysics*, **2017**, 703-704, 23-41	3.1	24
101	U-Pb SHRIMP data on the crystallization age of the Gran Paradiso augengneiss, Italian Western Alps: Further evidence for Permian magmatic activity in the Alps during break-up of Pangea. *Eclogae Geologicae Helveticae*, **2005**, 98, 363-370		24
100	Cryogenian rift-related magmatism and sedimentation: South-western Congo Craton, Namibia. *Journal of African Earth Sciences*, **2012**, 76, 34-49	2.2	23
99	Heterogeneous excess argon and Neoproterozoic heating in the Usagaran Orogen, Tanzania, revealed by single grain 40Ar/39Ar thermochronology. *Journal of African Earth Sciences*, **2004**, 39, 165-176	2.2	23
98	Zircon U-Pb ages and Hf isotopic systematics of charnockite gneisses from the Ediacaran–Cambrian high-grade metamorphic terranes, southern India: Constraints on crust formation, recycling, and Gondwana correlations. *Bulletin of the Geological Society of America*, **2017**, 129, 625-648	3.9	22
97	Macrofabric fingerprints of Late Devonian–Early Carboniferous subduction in the Polish Variscides, the Kaczawa complex, Sudetes. *Journal of the Geological Society*, **2000**, 157, 283-288	2.7	22
96	Investigating mid-Ediacaran glaciation and final Gondwana amalgamation using coupled sedimentology and 40Ar/ 39Ar detrital muscovite provenance from the Paraguay Belt, Brazil. *Sedimentology*, **2015**, 62, 130-154	3.3	21
95	Evolving provenance in the Proterozoic Pranhita-Godavari Basin, India. *Geoscience Frontiers*, **2015**, 6, 453-463	6	21
94	Zircon U-Pb-Hf isotopes, bulk-rock geochemistry and Sr-Nd-Pb isotopes from late Neoproterozoic basement in the Mahneshan area, NW Iran: Implications for Ediacaran active continental margin along the northern Gondwana and constraints on the late Oligocene crustal anatexis. *Gondwana Research*, **2018**, 57, 48-74	5.1	21
93	Complex structure of an upper-level shale detachment zone: Khao Khwang fold and thrust belt, Central Thailand. *Journal of Structural Geology*, **2014**, 67, 140-153	3	21
92	Low-Temperature Thermochronology of the Chatkal-Kurama Terrane (Uzbekistan-Tajikistan): Insights Into the Meso-Cenozoic Thermal History of the Western Tian Shan. *Tectonics*, **2018**, 37, 3954-3969	4.3	21
91	Detrital apatite U-Pb and trace element analysis as a provenance tool: Insights from the Yenisey Ridge (Siberia). *Lithos*, **2018**, 314-315, 140-155	2.9	21
90	Tracking the Cretaceous transcontinental Ceduna River through Australia: The hafnium isotope record of detrital zircons from offshore southern Australia. *Geoscience Frontiers*, **2016**, 7, 237-244	6	20

89	Tectono-thermal evolution of the southwestern Alxa Tectonic Belt, NW China: Constrained by apatite U-Pb and fission track thermochronology. *Tectonophysics*, **2018**, 722, 577-594	3.1	20
88	Bolla Bollana boulder beds: A Neoproterozoic trough mouth fan in South Australia?. *Sedimentology*, **2014**, 61, 978-995	3.3	19
87	Structure of the Sibumasu–Indochina collision, central Thailand: A section through the Khao Khwang Fold and thrust belt. *Journal of Asian Earth Sciences*, **2014**, 95, 182-191	2.8	19
86	U–Pb electron probe geochronology of the Nagercoil granulites, Southern India: Implications for Gondwana amalgamation. *Journal of Asian Earth Sciences*, **2006**, 28, 63-80	2.8	19
85	Probing into Thailand's basement: New insights from U–Pb geochronology, Sr, Sm–Nd, Pb and Lu–Hf isotopic systems from granitoids. *Lithos*, **2018**, 320-321, 332-354	2.9	19
84	Evolving Marginal Terranes During Neoproterozoic Supercontinent Reorganization: Constraints From the Bemarivo Domain in Northern Madagascar. *Tectonics*, **2019**, 38, 2019-2035	4.3	18
83	Towards unravelling the Mozambique Ocean conundrum using a triumvirate of zircon isotopic proxies on the Ambatolampy Group, central Madagascar. *Tectonophysics*, **2015**, 662, 167-182	3.1	18
82	40Ar–39Ar white mica ages reveal Neoproterozoic/Paleozoic provenance and an Alleghanian overprint in coeval Upper Ordovician–Lower Devonian rocks of Meguma and Avalonia. *Tectonophysics*, **2008**, 461, 265-276	3.1	18
81	A physiological model for tert-amyl methyl ether and tert-amyl alcohol: hypothesis testing of model structures. *Toxicological Sciences*, **1999**, 49, 15-28	4.4	18
80	The low-temperature thermo-tectonic evolution of the western Tian Shan, Uzbekistan. *Gondwana Research*, **2018**, 64, 122-136	5.1	18
79	Zircon Geochemical and Geochronological Constraints on Contaminated and Enriched Mantle Sources beneath the Arabian Shield, Saudi Arabia. *Journal of Geology*, **2015**, 123, 463-489	2	17
78	Interplay of deformation and magmatism in the Pangong Transpression Zone, eastern Ladakh, India: Implications for remobilization of the trans-Himalayan magmatic arc and initiation of the Karakoram Fault. *Journal of Structural Geology*, **2014**, 62, 13-24	3	17
77	Geochronological and geochemical studies of mafic and intermediate dykes from the Khao Khwang Fold–Thrust Belt: Implications for petrogenesis and tectonic evolution. *Gondwana Research*, **2016**, 36, 124-141	5.1	17
76	Middle–late Mesoproterozoic tectonic geography of the North Australia Craton: U–Pb and Hf isotopes of detrital zircon grains in the Beetaloo Sub-basin, Northern Territory, Australia. *Journal of the Geological Society*, **2019**, 176, 771-784	2.7	16
75	Neoproterozoic geochronology and provenance of the Adelaide Superbasin. *Precambrian Research*, **2020**, 350, 105849	3.9	16
74	Origin and tectonic evolution of the NE basement of Oman: a window into the Neoproterozoic accretionary growth of India?. *Geological Magazine*, **2018**, 155, 1150-1174	2	16
73	Dextral transpression and late Eocene magmatism in the trans-Himalayan Ladakh Batholith (North India): implications for tectono-magmatic evolution of the Indo-Eurasian collisional arc. *International Journal of Earth Sciences*, **2013**, 102, 1895-1909	2.2	16
72	Neoproterozoic deformation in central Madagascar: a structural section through part of the East African Orogen. *Geological Society Special Publication*, **2003**, 206, 363-379	1.7	15

71	Palaeostress magnitudes in the Khao Khwang fold-thrust belt, new insights into the tectonic evolution of the Indosinian orogeny in central Thailand. *Tectonophysics*, **2017**, 710-711, 266-276	3.1	14
70	An apatite U-Pb thermal history map for the northern Gawler Craton, South Australia. *Geoscience Frontiers*, **2018**, 9, 1293-1308	6	14
69	How not to build a supercontinent: A reply to J.D.A. Piper. *Precambrian Research*, **2009**, 174, 208-214	3.9	14
68	Cambro-Ordovician magmatism in the Delamerian orogeny: Implications for tectonic development of the southern Gondwanan margin. *Gondwana Research*, **2020**, 81, 490-521	5.1	13
67	Stenian-Tonian arc magmatism in west-central Madagascar: the genesis of the Dabolava Suite. *Journal of the Geological Society*, **2018**, 175, 111-129	2.7	13
66	Structural evolution and medium-temperature thermochronology of central Madagascar: implications for Gondwana amalgamation. *Journal of the Geological Society*, **2020**, 177, 784-798	2.7	12
65	Syn-deformation temperature and fossil fluid pathways along an exhumed detachment zone, khao khwang fold-thrust belt, Thailand. *Tectonophysics*, **2015**, 655, 73-87	3.1	12
64	A Glacially Incised Canyon in Brazil: Further Evidence for Mid-Ediacaran Glaciation?. *Journal of Geology*, **2013**, 121, 275-287	2	12
63	Tracing final Gondwana assembly: Age and provenance of key stratigraphic units in the southern Paraguay Belt, Brazil. *Precambrian Research*, **2018**, 307, 1-33	3.9	11
62	Closure of the Proterozoic Mozambique Ocean was instigated by a late Tonian plate reorganization event. *Communications Earth & Environment*, **2021**, 2,	6.1	11
61	Late Neoproterozoic adakitic magmatism of the eastern Arabian Nubian Shield. *Geoscience Frontiers*, **2019**, 10, 1981-1992	6	11
60	Thermochronological insights into reactivation of a continental shear zone in response to Equatorial Atlantic rifting (northern Ghana). *Scientific Reports*, **2018**, 8, 16619	4.9	11
59	Thermal history of the northern Olympic Domain, Gawler Craton; correlations between thermochronometric data and mineralising systems. *Gondwana Research*, **2018**, 56, 90-104	5.1	10
58	Exhumation history of the Peake and Denison Inliers: insights from low-temperature thermochronology. *Australian Journal of Earth Sciences*, **2016**, 63, 805-820	1.4	10
57	Unravelling the Neoproterozoic accretionary history of Oman, using an array of isotopic systems in zircon. *Journal of the Geological Society*, **2020**, 177, 357-378	2.7	10
56	Dynamic interaction between basin redox and the biogeochemical nitrogen cycle in an unconventional Proterozoic petroleum system. *Scientific Reports*, **2019**, 9, 5200	4.9	9
55	Using Mesoproterozoic sedimentary geochemistry to reconstruct basin tectonic geography and link organic carbon productivity to nutrient flux from a Northern Australian large igneous Province. *Basin Research*, **2020**, 32, 1734-1750	3.2	9
54	A coupled micro- and macrostructural approach to the analysis of fluid induced brecciation, Curnamona Province, South Australia. *Journal of Structural Geology*, **2006**, 28, 745-761	3	9

53	The Tectonic Architecture of Central Madagascar: Implication on the Evolution of the East African Orogeny. *Gondwana Research*, **2001**, 4, 152-153	5.1	9
52	New Zircon Ages for Precambrian Granites, Gneisses and Granulites from Central and Southern Madagascar: Significance for Correlations in East Gondwana. *Gondwana Research*, **1999**, 2, 351-352	5.1	9
51	Late Paleozoic Exhumation of the West Junggar Mountains, NW China. *Journal of Geophysical Research: Solid Earth*, **2020**, 125, e2019JB018013	3.6	9
50	The origin of the ultramafic rocks of the Tulu Dimtu Belt, western Ethiopia do they represent remnants of the Mozambique Ocean?. *Geological Magazine*, **2019**, 156, 62-82	2	9
49	A re-evaluation of the Kumta Suture in western peninsular India and its extension into Madagascar. *Journal of Asian Earth Sciences*, **2018**, 157, 317-328	2.8	9
48	Neoproterozoic tectonic geography of the south-east Congo Craton in Zambia as deduced from the age and composition of detrital zircons. *Geoscience Frontiers*, **2019**, 10, 2045-2061	6	8
47	Late Paleozoic Chingiz and Saur Arc Amalgamation in West Junggar (NW China): Implications for Accretionary Tectonics in the Southern Altaids. *Tectonics*, **2020**, 39, e2019TC005781	4.3	8
46	Isotopic systematics of zircon indicate an African affinity for the rocks of southernmost India. *Scientific Reports*, **2020**, 10, 5421	4.9	8
45	Stratigraphy of deformed Permian carbonate reefs in Saraburi Province, Thailand. *Journal of the Geological Society*, **2018**, 175, 163-175	2.7	8
44	Assembling two easy pieces: the geology of western Gondwana and plate tectonic theory - An introduction to the special volume. *Gondwana Research*, **2012**, 21, 311-315	5.1	8
43	Protolith heterogeneity as a factor controlling the feedback between deformation, metamorphism and melting in a granulite-hosted gold deposit. *Journal of the Geological Society*, **2010**, 167, 1089-1104	2.7	8
42	The East African Orogen: New Zircon and Nd Ages and Implications for Rodinia and Gondwana Supercontinent Formation and Dispersal. *Gondwana Research*, **2001**, 4, 179-181	5.1	8
41	Late Carboniferous Early Permian arc magmatism in the south-western Alxa Tectonic Belt (NW China): Constraints on the late Palaeozoic subduction history of the Palaeo-Asian Ocean. *Geological Journal*, **2019**, 54, 1046-1063	1.7	8
40	Age and provenance of the Chaung Magyi Group, Yeywa Dome, Myanmar, based on U-Pb dating of detrital zircons. *Journal of Asian Earth Sciences*, **2019**, 184, 103967	2.8	7
39	Macrostructures vs microstructures in evaporite detachments: An example from the Salt Range, Pakistan. *Journal of Asian Earth Sciences*, **2015**, 113, 922-934	2.8	7
38	The U-Pb age, geochemistry and tectonic significance of granitoids in the Soursat Complex, Northwest Iran		7
37	Assessment of elemental fractionation and matrix effects during in situ Rb Sr dating of phlogopite by LA-ICP-MS/MS: implications for the accuracy and precision of mineral ages. *Journal of Analytical Atomic Spectrometry*, **2021**, 36, 322-344	3.7	7
36	Sequence stratigraphy of the ca. 1730 Ma Wollogorang Formation, McArthur Basin, Australia. *Marine and Petroleum Geology*, **2020**, 116, 104297	4.7	6

35	Coupled detrital zircon UPb and Hf analysis of the Sibumasu Terrane: From Gondwana to northwest Thailand. *Journal of Asian Earth Sciences*, **2021**, 211, 104709	2.8	6
34	A template for an improved rock-based subdivision of the pre-Cryogenian time scale. *Journal of the Geological Society*,jgs2020-222	2.7	6
33	Late syn- to post-collisional magmatism in Madagascar: The genesis of the Ambalavao and Maevarano Suites. *Geoscience Frontiers*, **2019**, 10, 2063-2084	6	6
32	Age, origin and palaeogeography of the Southern Irumide Belt, Zambia. *Journal of the Geological Society*, **2019**, 176, 505-516	2.7	5
31	Geology, geochemistry, and geochronology of the Cuihongshan Fe-polymetallic deposit, Heilongjiang Province, NE China. *Geological Journal*, **2019**, 54, 1254-1278	1.7	5
30	Age and hafnium isotope evolution of Sudanese Butana and Chad illuminates the Stenian to Ediacaran evolution of the south and east Sahara. *Precambrian Research*, **2021**, 362, 106323	3.9	5
29	The Mesozoic exhumation history of the Karatau-Talas range, western Tian Shan, Kazakhstan-Kyrgyzstan. *Tectonophysics*, **2021**, 814, 228977	3.1	5
28	Constraining the timing of shale detachment faulting: A geochemical approach. *Lithosphere*, **2017**, 9, 431-440	2.7	4
27	The thermo-tectonic evolution of the southern Congo Craton margin as determined from apatite and muscovite thermochronology. *Tectonophysics*, **2019**, 766, 398-415	3.1	4
26	Discussion on geochemical and isotopic constraints on subduction polarity, magma sources and palaeogeography of the Kohistan Arc, northern Pakistan. *Journal of the Geological Society*, **1998**, 155, 893-895	2.7	4
25	Data analysis of the U-Pb geochronology and Lu-Hf system in zircon and whole-rock Sr, Sm-Nd and Pb isotopic systems for the granitoids of Thailand. *Data in Brief*, **2018**, 21, 1794-1809	1.2	4
24	Carboniferous fault reactivation at the northern margin of the metal-rich Gawler Craton (South Australia): Implications for ore deposit exhumation and preservation. *Ore Geology Reviews*, **2019**, 115, 103193	3.2	3
23	Biochronology of Jurassic and Early Cretaceous radiolarites from the Lycian Mélange (SW Turkey) and implications for the evolution of the Northern Neotethyan ocean. *Geological Society Special Publication*, **2006**, 260, 229-236	1.7	3
22	Has the East African Orogen Played Any Role in the Formation and Breakup of the Supercontinent Rodinia and the Amalgamation of Gondwana? New Evidence from Field Relationship and Isotopic Data. *Gondwana Research*, **2001**, 4, 669-671	5.1	3
21	Inherited structure as a control on late Paleozoic and Mesozoic exhumation of the Tarbagatai Mountains, southeastern Kazakhstan. *Journal of the Geological Society*,jgs2020-121	2.7	3
20	Isotope Constraints on Intra-Basin Correlation and Depositional Settings of the Mid-Proterozoic Carbonates and Organic-Rich Shales in the Greater McArthur Basin, Northern Territory, Australia. *ASEG Extended Abstracts*, **2018**, 2018, 1-6	0.2	2
19	The Mozambique Ocean Suture in Southern India: Age and Significance of Granulites in the Palghat-Cauvery Shear Zone System. *ASEG Extended Abstracts*, **2006**, 2006, 1-3	0.2	2
18	Footprints of the Alice Springs Orogeny preserved in far northern Australia: an application of multi-kinetic thermochronology in the Pine Creek Orogen and Arnhem Province. *Journal of the Geological Society*, **2021**, 178, jgs2020-173	2.7	2

17	Tectonic controls on sedimentary provenance and basin geography of the Mesoproterozoic Wilton package, McArthur Basin, northern Australia. *Geological Magazine*,1-20	2	2
16	A geochemical investigation into the resource potential of the Lawn Hill Platform, northern Australia. *APPEA Journal*, **2020**, 60, 722	0.6	2
15	Proterozoic Basin Evolution and Tectonic Geography of Madagascar: Implications for an East Africa Connection During the Paleoproterozoic. *Tectonics*, **2021**, 40, e2020TC006498	4.3	2
14	Tectonic evolution of an Early Cryogenian late- magmatic basin in central Madagascar. *Journal of African Earth Sciences*, **2021**, 179, 104205	2.2	2
13	Unraveling the histories of Proterozoic shales through in situ Rb-Sr dating and trace element laser ablation analysis. *Geology*,	5	2
12	Reply to comment on Interplay of deformation and magmatism in the Pangong Transpressional Zone, Eastern Ladakh, India: Implications for remobilization of the trans-Himalayan magmatic arc and initiation of the Karakoram Fault *Journal of Structural Geology*, **2014**, 65, 120-122	3	1
11	Reply to comment on Dextral transpression and late-Eocene magmatism in the trans-Himalayan Ladakh Batholith (North India): implications for tectono-magmatic evolution of the Indo-Eurasian collisional arc *International Journal of Earth Sciences*, **2013**, 102, 973-975	2.2	1
10	Mineralogical Evidence for Regional Metamorphism Overprinted by Contact Metamorphism. *Acta Geologica Sinica*, **2012**, 86, 48-64	0.7	1
9	Biogeochemical status of the Paleo-Pacific Ocean: clues from the early Cambrian of South Australia. *Australian Journal of Earth Sciences*, **2021**, 68, 968-991	1.4	1
8	Age and geochemistry of the Boucaut Volcanics in the Neoproterozoic Adelaide Rift Complex, South Australia. *Australian Journal of Earth Sciences*, **2021**, 68, 580-589	1.4	1
7	Descending into the Snowball High resolution sedimentological and geochemical analysis across the Tonian to Cryogenian boundary in South Australia. *Precambrian Research*, **2021**, 367, 106449	3.9	1
6	Constraints from in-situ Rb-Sr dating on the timing of tectono-thermal events in the Umm Farwah shear zone and associated Cu-Au mineralisation in the Southern Arabian Shield, Saudi Arabia. *Journal of Asian Earth Sciences*, **2022**, 224, 105037	2.8	0
5	Early Evolution of the Adelaide Superbasin. *Geosciences (Switzerland)*, **2022**, 12, 154	2.7	0
4	Deformation recorded in polyhalite from evaporite detachments revealed by ⁴⁰Ar /³⁹Ar dating. *Geochronology*, **2021**, 3, 545-559	3.8	0
3	Thermochronological history of the northern Olympic Domain of the Gawler Craton; correlations between cooling ages and mineralising systems. *ASEG Extended Abstracts*, **2018**, 2018, 1-4	0.2	
2	Combining finite strain analysis and illite crystallinity to examine strain variation in a shale detachment zone. *Journal of Asian Earth Sciences*, **2019**, 174, 283-293	2.8	
1	The Arabian Nubian Shield Within the Neoproterozoic Plate Tectonic Circuit. *Regional Geology Reviews*, **2021**, 195-202	2.5	