

# Andrew Carter

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2437701/andrew-carter-publications-by-citations.pdf>

**Version:** 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

202  
papers

9,556  
citations

54  
h-index

91  
g-index

216  
ext. papers

10,719  
ext. citations

3.8  
avg, IF

6.07  
L-index

#	Paper	IF	Citations
202	Improved modeling of fission-track annealing in apatite. <i>American Mineralogist</i> , <b>2007</b> , 92, 799-810	2.9	554
201	Timing of India-Asia collision: Geological, biostratigraphic, and palaeomagnetic constraints. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		413
200	Understanding Mesozoic accretion in Southeast Asia: Significance of Triassic thermotectonism (Indosinian orogeny) in Vietnam. <i>Geology</i> , <b>2001</b> , 29, 211	5	373
199	Worldwide acceleration of mountain erosion under a cooling climate. <i>Nature</i> , <b>2013</b> , 504, 423-6	50.4	298
198	Detrital geochronology and geochemistry of Cretaceous-Early Miocene strata of Nepal: implications for timing and diachroneity of initial Himalayan orogenesis. <i>Earth and Planetary Science Letters</i> , <b>2004</b> , 227, 313-330	5.3	281
197	Compositional and structural control of fission-track annealing in apatite. <i>Chemical Geology</i> , <b>2003</b> , 198, 107-137	4.2	269
196	Miocene to Holocene exhumation of metamorphic crustal wedges in the NW Himalaya: Evidence for tectonic extrusion coupled to fluvial erosion. <i>Tectonics</i> , <b>2004</b> , 23, n/a-n/a	4.3	211
195	Loess Plateau storage of Northeastern Tibetan Plateau-derived Yellow River sediment. <i>Nature Communications</i> , <b>2015</b> , 6, 8511	17.4	202
194	Improved measurement of fission-track annealing in apatite using c-axis projection. <i>American Mineralogist</i> , <b>2007</b> , 92, 789-798	2.9	192
193	Apatite fission-track chronometry using laser ablation ICP-MS. <i>Chemical Geology</i> , <b>2004</b> , 207, 135-145	4.2	183
192	Genetic linkage between the Yellow River, the Mu Us desert and the Chinese Loess Plateau. <i>Quaternary Science Reviews</i> , <b>2013</b> , 78, 355-368	3.9	163
191	Holocene erosion of the Lesser Himalaya triggered by intensified summer monsoon. <i>Geology</i> , <b>2008</b> , 36, 79	5	145
190	Combined detrital-zircon fission-track and U-Pb dating: A new approach to understanding hinterland evolution. <i>Geology</i> , <b>1999</b> , 27, 235	5	143
189	Simultaneous extensional exhumation across the Alboran Basin: Implications for the causes of late orogenic extension. <i>Geology</i> , <b>2003</b> , 31, 251	5	139
188	Elevated K/T palaeotemperatures throughout Northwest England: three kilometres of Tertiary erosion?. <i>Earth and Planetary Science Letters</i> , <b>1992</b> , 112, 131-145	5.3	127
187	Oligocene uplift of the Western Greater Caucasus: an effect of initial Arabia-Eurasia collision. <i>Terra Nova</i> , <b>2007</b> , 19, 160-166	3	126
186	Was the Indosinian orogeny a Triassic mountain building or a thermotectonic reactivation event?. <i>Comptes Rendus - Geoscience</i> , <b>2008</b> , 340, 83-93	1.4	125

185	The Paleogene record of Himalayan erosion: Bengal Basin, Bangladesh. <i>Earth and Planetary Science Letters</i> , <b>2008</b> , 273, 1-14	5.3	123
184	Constraining the long-term evolution of the slip rate for a major extensional fault system in the central Aegean, Greece, using thermochronology. <i>Earth and Planetary Science Letters</i> , <b>2006</b> , 241, 293-306	5.3	107
183	Assessing the provenance of loess and desert sediments in northern China using U-Pb dating and morphology of detrital zircons. <i>Bulletin of the Geological Society of America</i> , <b>2010</b> , 122, 1331-1344	3.9	105
182	Denudation history of the continental margin of western peninsular India since the early Mesozoic: Reconciling apatite fission-track data with geomorphology. <i>Earth and Planetary Science Letters</i> , <b>2003</b> , 215, 187-201	5.3	104
181	Ar-Ar and fission-track ages in the Song Chay Massif: Early Triassic and Cenozoic tectonics in northern Vietnam. <i>Journal of Asian Earth Sciences</i> , <b>2001</b> , 19, 233-248	2.8	103
180	Provenance of the Tertiary sedimentary rocks of the Indo-Burman Ranges, Burma (Myanmar): Burman arc or Himalayan-derived?. <i>Journal of the Geological Society</i> , <b>2008</b> , 165, 1045-1057	2.7	101
179	Mesozoic-Tertiary exhumation history of the Altai Mountains, northern Xinjiang, China: New constraints from apatite fission track data. <i>Tectonophysics</i> , <b>2006</b> , 412, 183-193	3.1	99
178	Timing of tectonic events in the Alpujarride Complex, Betic Cordillera, southern Spain. <i>Journal of the Geological Society</i> , <b>2005</b> , 162, 451-462	2.7	99
177	Natural long-term annealing of the zircon fission-track system in Vienna Basin deep borehole samples: constraints upon the partial annealing zone and closure temperature. <i>Chemical Geology</i> , <b>1996</b> , 130, 147-157	4.2	99
176	Provenance of Eocene foreland basin sediments, Nepal: Constraints to the timing and diachroneity of early Himalayan orogenesis. <i>Geology</i> , <b>2005</b> , 33, 309	5	98
175	Apatite fission track evidence for Neogene uplift in the eastern Kunlun Mountains, northern Qinghai-Tibet Plateau, China. <i>Journal of Asian Earth Sciences</i> , <b>2006</b> , 27, 847-856	2.8	95
174	Exhumation history of eastern Ladakh revealed by <sup>40</sup> Ar/ <sup>39</sup> Ar and fission-track ages: the Indus River-So Morari transect, NW Himalaya. <i>Journal of the Geological Society</i> , <b>2003</b> , 160, 385-399	2.7	94
173	Exhumation of the Ronda peridotite and its crustal envelope: constraints from thermal modelling of a P-T-t array. <i>Journal of the Geological Society</i> , <b>2003</b> , 160, 655-676	2.7	92
172	Bias in detrital zircon geochronology and thermochronometry. <i>Chemical Geology</i> , <b>2013</b> , 359, 90-107	4.2	91
171	The Qs problem: Sediment volumetric balance of proximal foreland basin systems. <i>Sedimentology</i> , <b>2013</b> , 60, 102-130	3.3	89
170	Linking hinterland evolution and continental basin sedimentation by using detrital zircon thermochronology: a study of the Khorat Plateau Basin, eastern Thailand. <i>Basin Research</i> , <b>2003</b> , 15, 271-285	3.2	85
169	Plio-Quaternary exhumation history of the central Nepalese Himalaya: 1. Apatite and zircon fission track and apatite [U-Th]/He analyses. <i>Tectonics</i> , <b>2007</b> , 26, n/a-n/a	4.3	82
168	Quaternary dust source variation across the Chinese Loess Plateau. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2015</b> , 435, 254-264	2.9	81

167	The provenance of Taklamakan desert sand. <i>Earth and Planetary Science Letters</i> , <b>2016</b> , 437, 127-137	5.3	81
166	U-Pb zircon age of the Andaman ophiolite: implications for the beginning of subduction beneath the Andaman-Sumatra arc. <i>Journal of the Geological Society</i> , <b>2010</b> , 167, 1105-1112	2.7	81
165	Low long-term erosion rates in high-energy mountain belts: Insights from thermo- and biochronology in the Eastern Pyrenees. <i>Earth and Planetary Science Letters</i> , <b>2009</b> , 278, 208-218	5.3	80
164	Late Cretaceous reactivation of major crustal shear zones in northern Namibia: constraints from apatite fission track analysis. <i>Tectonophysics</i> , <b>2002</b> , 349, 75-92	3.1	79
163	Denudation history of onshore central Vietnam: constraints on the Cenozoic evolution of the western margin of the South China Sea. <i>Tectonophysics</i> , <b>2000</b> , 322, 265-277	3.1	72
162	The chronology and tectonic style of landscape evolution along the elevated Atlantic continental margin of South Africa resolved by joint apatite fission track and (U-Th-Sm)/He thermochronology. <i>Tectonics</i> , <b>2016</b> , 35, 511-545	4.3	72
161	Extensional faulting on Tinos Island, Aegean Sea, Greece: How many detachments?. <i>Tectonics</i> , <b>2007</b> , 26, n/a-n/a	4.3	70
160	Variation in apatite fission-track length measurement: implications for thermal history modelling. <i>Chemical Geology</i> , <b>2003</b> , 198, 77-106	4.2	70
159	Sediment routing system evolution within a diachronously uplifting orogen: Insights from detrital zircon thermochronological analyses from the South-Central Pyrenees. <i>Numerische Mathematik</i> , <b>2011</b> , 311, 442-482	5.3	68
158	The record of Himalayan erosion preserved in the sedimentary rocks of the Hatia Trough of the Bengal Basin and the Chittagong Hill Tracts, Bangladesh. <i>Basin Research</i> , <b>2012</b> , 24, 499-519	3.2	67
157	U-Pb zircon dating evidence for a Pleistocene Sarasvati River and capture of the Yamuna River. <i>Geology</i> , <b>2012</b> , 40, 211-214	5	67
156	Sediment provenance, reworking and transport processes in the Indus River by U-Pb dating of detrital zircon grains. <i>Global and Planetary Change</i> , <b>2011</b> , 76, 33-55	4.2	65
155	Thermochronology of mineral grains in the Red and Mekong Rivers, Vietnam: Provenance and exhumation implications for Southeast Asia. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2006</b> , 7, n/a-n/a	3.6	63
154	Widespread Antarctic glaciation during the Late Eocene. <i>Earth and Planetary Science Letters</i> , <b>2017</b> , 458, 49-57	5.3	59
153	Timing, slip rate, displacement and cooling history of the Mykonos detachment footwall, Cyclades, Greece, and implications for the opening of the Aegean Sea basin. <i>Journal of the Geological Society</i> , <b>2008</b> , 165, 263-277	2.7	58
152	Post break-up tectonic inversion across the southwestern cape of South Africa: New insights from apatite and zircon fission track thermochronometry. <i>Tectonophysics</i> , <b>2015</b> , 654, 30-55	3.1	56
151	The erosional and uplift history of NE Atlantic passive margins: constraints on a passing plume. <i>Journal of the Geological Society</i> , <b>1998</b> , 155, 787-800	2.7	55
150	Constraints on the collision and the pre-collision tectonic configuration between India and Asia from detrital geochronology, thermochronology, and geochemistry studies in the lower Indus basin, Pakistan. <i>Earth and Planetary Science Letters</i> , <b>2015</b> , 432, 363-373	5.3	54

149	Cenozoic exhumation history of the Alborz Mountains, Iran: New constraints from low-temperature chronometry. <i>Tectonics</i> , <b>2012</b> , 31, n/a-n/a	4.3	54
148	The exhumation of the western Greater Caucasus: a thermochronometric study. <i>Geological Magazine</i> , <b>2011</b> , 148, 1-21	2	54
147	Plio-Pleistocene exhumation of the eastern Himalayan syntaxis and its domal pop-up. <i>Earth-Science Reviews</i> , <b>2016</b> , 160, 350-385	10.2	53
146	Insights into the patterns and locations of erosion in the Himalaya [A combined fission-track and in situ SmNd isotopic study of detrital apatite. <i>Earth and Planetary Science Letters</i> , <b>2007</b> , 257, 407-418	5.3	52
145	Counter-intuitive influence of Himalayan river morphodynamics on Indus Civilisation urban settlements. <i>Nature Communications</i> , <b>2017</b> , 8, 1617	17.4	51
144	Understanding sedimentation in the Song Hong-Yinggehai Basin, South China Sea. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2011</b> , 12, n/a-n/a	3.6	51
143	Present status and future avenues of source region discrimination and characterization using fission track analysis. <i>Sedimentary Geology</i> , <b>1999</b> , 124, 31-45	2.8	51
142	New constraints on the origin of the Sierra Madre de Chiapas (south Mexico) from sediment provenance and apatite thermochronometry. <i>Tectonics</i> , <b>2012</b> , 31, n/a-n/a	4.3	47
141	Zircon and apatite thermochronology of the Nankai Trough accretionary prism and trench, Japan: Sediment transport in an active and collisional margin setting. <i>Tectonics</i> , <b>2013</b> , 32, 377-395	4.3	47
140	South China continental margin signature for sandstones and granites from Palawan, Philippines. <i>Gondwana Research</i> , <b>2014</b> , 26, 699-718	5.1	42
139	Volumetric budget and grain-size fractionation of a geological sediment routing system: Eocene Escanilla Formation, south-central Pyrenees. <i>Bulletin of the Geological Society of America</i> , <b>2014</b> , 126, 585-599	3.9	42
138	Constraints on India-Eurasia collision in the Arabian Sea region taken from the Indus Group, Ladakh Himalaya, India. <i>Geological Society Special Publication</i> , <b>2002</b> , 195, 97-116	1.7	42
137	Understanding Himalayan erosion and the significance of the Nicobar Fan. <i>Earth and Planetary Science Letters</i> , <b>2017</b> , 475, 134-142	5.3	41
136	Exhumation history of the Andean broken foreland revisited. <i>Geology</i> , <b>2013</b> , 41, 443-446	5	41
135	Late Mesozoic-Cenozoic exhumation history of northern Svalbard and its regional significance: Constraints from apatite fission track analysis. <i>Tectonophysics</i> , <b>2012</b> , 514-517, 81-92	3.1	40
134	Exhumation history of the Higher Himalayan Crystalline along Dhauliganga-Goriganga river valleys, NW India: New constraints from fission track analysis. <i>Tectonics</i> , <b>2009</b> , 28, n/a-n/a	4.3	40
133	Palaeodrainage evolution of the large rivers of East Asia, and Himalayan-Tibet tectonics. <i>Earth-Science Reviews</i> , <b>2019</b> , 192, 601-630	10.2	40
132	Intracontinental deformation in southern Africa during the Late Cretaceous. <i>Journal of African Earth Sciences</i> , <b>2014</b> , 100, 20-41	2.2	37

131	Constraints on Cenozoic regional drainage evolution of SW China from the provenance of the Jianchuan Basin. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2012</b> , 13, n/a-n/a	3.6	37
130	The late Quaternary slip-rate of the Har-Us-Nuur fault (Mongolian Altai) from cosmogenic <sup>10</sup> Be and luminescence dating. <i>Earth and Planetary Science Letters</i> , <b>2009</b> , 286, 467-478	5.3	37
129	Detrital zircon geochronology: enhancing the quality of sedimentary source information through improved methodology and combined U/Pb and fission-track techniques. <i>Basin Research</i> , <b>2000</b> , 12, 47-57	3.2	37
128	Geochemical and Nd isotope composition of detrital sediments on the north margin of the South China Sea: provenance and tectonic implications. <i>Sedimentology</i> , <b>2007</b> , 54, 1-17	3.3	36
127	Helium trapping in apatite damage: Insights from (U-Th-Sm)/He dating of different granitoid lithologies. <i>Chemical Geology</i> , <b>2017</b> , 470, 116-131	4.2	35
126	Thermal history of Australian passive margin cover sequences accreted to Timor during Late Neogene arc-continent collision, Indonesia. <i>Journal of Asian Earth Sciences</i> , <b>2000</b> , 18, 47-69	2.8	35
125	The role of fission track dating in discrimination of provenance. <i>Geological Society Special Publication</i> , <b>1991</b> , 57, 67-78	1.7	35
124	Controls on modern erosion and the development of the Pearl River drainage in the late Paleogene. <i>Marine Geology</i> , <b>2017</b> , 394, 52-68	3.3	34
123	Locating earliest records of orogenesis in western Himalaya: Evidence from Paleogene sediments in the Iranian Makran region and Pakistan Katawaz basin. <i>Geology</i> , <b>2010</b> , 38, 807-810	5	34
122	Indentation of the Pamirs with respect to the northern margin of Tibet: Constraints from the Tarim basin sedimentary record. <i>Tectonics</i> , <b>2016</b> , 35, 2345-2369	4.3	33
121	Monsoon control over erosion patterns in the Western Himalaya: possible feed-back into the tectonic evolution. <i>Geological Society Special Publication</i> , <b>2010</b> , 342, 185-218	1.7	32
120	Constraints for timing of extensional tectonics in the western margin of the Red Sea in Eritrea. <i>Earth and Planetary Science Letters</i> , <b>2002</b> , 200, 107-119	5.3	32
119	Inter-laboratory comparison of fission track confined length and etch figure measurements in apatite. <i>American Mineralogist</i> , <b>2015</b> , 100, 1452-1468	2.9	31
118	Fluvial-Eolian Interactions In Sediment Routing and Sedimentary Signal Buffering: An Example From the Indus Basin and Thar Desert. <i>Journal of Sedimentary Research</i> , <b>2015</b> , 85, 715-728	2.1	30
117	Thermochronology of the modern Indus River bedload: New insight into the controls on the marine stratigraphic record. <i>Tectonics</i> , <b>2004</b> , 23, n/a-n/a	4.3	30
116	Late Cretaceous-Earliest Paleogene deformation in the Longmen Shan fold-and-thrust belt, eastern Tibetan Plateau margin: Pre-Cenozoic thickened crust?. <i>Tectonics</i> , <b>2016</b> , 35, 2293-2312	4.3	28
115	Mid-Cretaceous uplift and erosion on the northern margin of the Ligurian Tethys deduced from thermal history reconstruction. <i>International Journal of Earth Sciences</i> , <b>2005</b> , 94, 462-474	2.2	28
114	A Late Oligocene tectono-volcanic event in East Kalimantan and the implications for tectonics and sedimentation in Borneo. <i>Journal of the Geological Society</i> , <b>1998</b> , 155, 177-192	2.7	27

113	Fission-track evidence for the thermotectonic evolution of a Mesozoic-Cenozoic fore-arc, Antarctica. <i>Journal of the Geological Society</i> , <b>1996</b> , 153, 65-82	2.7	27
112	Mid-Cretaceous inversion in the Northern Khorat Plateau of Lao PDR and Thailand. <i>Geological Society Special Publication</i> , <b>1996</b> , 106, 233-247	1.7	27
111	Detrital U-Pb zircon dating of lower Ordovician syn-arc-continent collision conglomerates in the Irish Caledonides. <i>Tectonophysics</i> , <b>2009</b> , 479, 165-174	3.1	26
110	Transform tectonics and thermal rejuvenation on the Cote d'Ivoire-Ghana margin, west Africa. <i>Journal of the Geological Society</i> , <b>1997</b> , 154, 483-489	2.7	26
109	Tectonic response of the central Chilean margin (35°S) to the collision and subduction of heterogeneous oceanic crust: a thermochronological study. <i>Journal of the Geological Society</i> , <b>2008</b> , 165, 941-953	2.7	26
108	Constraints on brittle field exhumation of the Everest-Makalu section of the Greater Himalayan Sequence: Implications for models of crustal flow. <i>Tectonics</i> , <b>2012</b> , 31, n/a-n/a	4.3	25
107	Pliocene onset of rapid exhumation in Taiwan during arc-continent collision: new insights from detrital thermochronometry. <i>Basin Research</i> , <b>2010</b> , 22, 270-285	3.2	25
106	New constraints on the sedimentation and uplift history of the Andaman-Nicobar accretionary prism, South Andaman Island <b>2008</b> , 223-255		25
105	Evolution of deformation styles at a major restraining bend, constraints from cooling histories, Mae Ping fault zone, western Thailand. <i>Geological Society Special Publication</i> , <b>2007</b> , 290, 325-349	1.7	25
104	Measuring the Great Unconformity on the North China Craton using new detrital zircon age data. <i>Geological Society Special Publication</i> , <b>2017</b> , 448, 145-159	1.7	24
103	Cenozoic tectonic history of the South Georgia microcontinent and potential as a barrier to Pacific-Atlantic through flow. <i>Geology</i> , <b>2014</b> , 42, 299-302	5	24
102	Exhumation history of the NW Indian Himalaya revealed by fission track and <sup>40</sup> Ar/ <sup>39</sup> Ar ages. <i>Journal of Asian Earth Sciences</i> , <b>2011</b> , 40, 334-350	2.8	24
101	Contrasting Mesozoic evolution across the boundary between on and off craton regions of the South African plateau inferred from apatite fission track and (U-Th-Sm)/He thermochronology. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2017</b> , 122, 1517-1547	3.6	23
100	A simple method for in-situ U-Th/He dating. <i>Geochimica Et Cosmochimica Acta</i> , <b>2012</b> , 79, 140-147	5.5	23
99	Low-temperature thermochronology in the Peruvian Central Andes: implications for long-term continental denudation, timing of plateau uplift, canyon incision and lithosphere dynamics. <i>Journal of the Geological Society</i> , <b>2010</b> , 167, 803-815	2.7	23
98	The effect of chemical etching on LA-ICP-MS analysis in determining uranium concentration for fission-track chronometry. <i>Geological Society Special Publication</i> , <b>2009</b> , 324, 37-46	1.7	23
97	A fission-track and (U-Th)/He thermochronometric study of the northern margin of the South China Sea: An example of a complex passive margin. <i>Tectonophysics</i> , <b>2009</b> , 474, 584-594	3.1	23
96	Late- and post-Variscan cooling and exhumation history of the northern Rhenish massif and the southern Ruhr Basin: new constraints from fission-track analysis. <i>International Journal of Earth Sciences</i> , <b>2005</b> , 94, 180-192	2.2	23

95	Constraints on provenance of the central European Triassic using detrital zircon fission track data. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2000</b> , 161, 193-204	2.9	22
94	Rift flank uplift at the Gulf of California: No requirement for asthenospheric upwelling. <i>Geology</i> , <b>2014</b> , 42, 259-262	5	21
93	Zircon fission track thermochronology constraints on mineralization epochs in Altai Mountains, northern Xinjiang, China. <i>Radiation Measurements</i> , <b>2009</b> , 44, 950-954	1.5	21
92	U-Pb dating of detrital zircon grains in the Paleocene Stumpata Formation, Tethyan Himalaya, Zaskar, India. <i>Journal of Asian Earth Sciences</i> , <b>2014</b> , 82, 80-89	2.8	20
91	New observations on the sedimentary and tectonic evolution of the Tertiary Kutai Basin, East Kalimantan. <i>Geological Society Special Publication</i> , <b>1997</b> , 126, 395-416	1.7	19
90	Controls on erosion patterns and sediment transport in a monsoonal, tectonically quiescent drainage, Song Gianh, central Vietnam. <i>Basin Research</i> , <b>2017</b> , 29, 659-683	3.2	18
89	Constraints on the evolution of the East Greenland Margin: Evidence from detrital apatite in offshore sediments. <i>Geology</i> , <b>1996</b> , 24, 1013	5	18
88	Isotopic and thermochronologic evidence of extremely cold lithosphere associated with a slab flattening in the Central Andes of Argentina. <i>Basin Research</i> , <b>2017</b> , 29, 16-40	3.2	17
87	Spatial and temporal trends in exhumation of the Eastern Himalaya and syntaxis as determined from a multitechnique detrital thermochronological study of the Bengal Fan. <i>Bulletin of the Geological Society of America</i> , <b>2019</b> , 131, 1607-1622	3.9	17
86	Thermotectonic history of SE China since the Late Mesozoic: insights from detailed thermochronological studies of Hong Kong. <i>Journal of the Geological Society</i> , <b>2014</b> , 171, 591-604	2.7	17
85	The thermal history and annealing effects in zircons from the Ordovician of North Wales. <i>International Journal of Radiation Applications and Instrumentation Part D, Nuclear Tracks and Radiation Measurements</i> , <b>1990</b> , 17, 309-313		17
84	A Late Eocene-Oligocene Through-Flowing River Between the Upper Yangtze and South China Sea. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2020</b> , 21, e2020GC009046	3.6	16
83	Tracking sediment provenance and erosional evolution of the western Greater Caucasus. <i>Earth Surface Processes and Landforms</i> , <b>2014</b> , 39, 1101-1114	3.7	16
82	Spatial variation in exhumation rates across Ladakh and the Karakoram: New apatite fission track data from the Eastern Karakoram, NW India. <i>Tectonics</i> , <b>2016</b> , 35, 704-721	4.3	16
81	Quantifying episodic erosion and transient storage on the western margin of the Tibetan Plateau, upper Indus River. <i>Quaternary Research</i> , <b>2018</b> , 89, 281-306	1.9	16
80	Climatic and glacial impact on erosion patterns and sediment provenance in the Himalayan rain shadow, Zaskar River, NW India. <i>Bulletin of the Geological Society of America</i> , <b>2017</b> , 129, 820-836	3.9	15
79	Late Miocene Hinterland Crustal Shortening in the Longmen Shan Thrust Belt, the Eastern Margin of the Tibetan Plateau. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2019</b> , 124, 11972-11991	3.6	15
78	Post-rift seaward downwarping at passive margins: New insights from southern Oman using stratigraphy to constrain apatite fission-track and (U-Th)/He dating. <i>Geology</i> , <b>2007</b> , 35, 647	5	15



77	Chapter 33 Heavy Minerals and Detrital Fission-Track Thermochronology. <i>Developments in Sedimentology</i> , <b>2007</b> , 58, 851-868		15
76	Chapter 6 Geological framework of the Andaman-Nicobar Islands. <i>Geological Society Memoir</i> , <b>2017</b> , 47, 75-93	0.4	14
75	Links between climate, erosion, uplift, and topography during intracontinental mountain building of the Hangay Dome, Mongolia. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2013</b> , 14, 5171-5193	3.6	14
74	Testing inferences from palaeocurrents: application of zircon double-dating to Miocene sediments from the Hengchun Peninsula, Taiwan. <i>Terra Nova</i> , <b>2010</b> , 22, 483-493	3	14
73	The application of fission track analysis to the dating of barren sequences: examples from red beds in Scotland and Thailand. <i>Geological Society Special Publication</i> , <b>1995</b> , 89, 57-68	1.7	14
72	Controls on erosion in the western Tarim Basin: Implications for the uplift of northwest Tibet and the Pamir <b>2017</b> , 13, 1747-1765		14
71	Deciphering relationships between the Nicobar and Bengal submarine fans, Indian Ocean. <i>Earth and Planetary Science Letters</i> , <b>2020</b> , 544, 116329	5.3	13
70	Exhumation controlled by transcurrent tectonics: the Argentera-Mercantour massif (SW Alps). <i>Terra Nova</i> , <b>2011</b> , 23, no-no	3	13
69	Modelling the formation of fission tracks in apatite minerals using molecular dynamics simulations. <i>Physics and Chemistry of Minerals</i> , <b>2008</b> , 35, 583-596	1.6	13
68	Raman microspectroscopy: A non-destructive tool for routine calibration of apatite crystallographic structure for fission-track analyses. <i>Chemical Geology</i> , <b>2007</b> , 240, 197-204	4.2	13
67	Geochronological constraints on the evolution of the Nanga Parbat syntaxis, Pakistan Himalaya. <i>Geological Society Special Publication</i> , <b>2000</b> , 170, 137-162	1.7	13
66	Chapter 2 Introduction to the geography and geomorphology of the Andaman-Nicobar Islands. <i>Geological Society Memoir</i> , <b>2017</b> , 47, 9-18	0.4	12
65	Reconstructing Palaeozoic and Mesozoic tectonic evolution of Novaya Zemlya: combining geochronology and thermochronology. <i>Geological Society Special Publication</i> , <b>2018</b> , 460, 335-353	1.7	12
64	Erosion rates in the source region of an ancient sediment routing system: comparison of depositional volumes with thermochronometric estimates. <i>Journal of the Geological Society</i> , <b>2014</b> , 171, 401-412	2.7	12
63	Low-temperature effects of the Skye Tertiary intrusions on Mesozoic sediments in the Sea of Hebrides Basin. <i>Geological Society Special Publication</i> , <b>1992</b> , 62, 175-188	1.7	12
62	Evidence for post-early Eocene tectonic activity in southeastern Ireland. <i>Geological Magazine</i> , <b>2003</b> , 140, 101-118	2	11
61	The post-Variscan thermal and denudational history of Ireland. <i>Geological Society Special Publication</i> , <b>2002</b> , 196, 371-399	1.7	11
60	Testing Models of Cenozoic Exhumation in the Western Greater Caucasus. <i>Tectonics</i> , <b>2020</b> , 39, e2018TC005451	1.5	11

59	Thermochronology on Sand and Sandstones for Stratigraphic and Provenance Studies. <i>Springer Textbooks in Earth Sciences, Geography and Environment</i> , <b>2019</b> , 259-268	0.5	10
58	Geochronology and geochemistry of the northern Scotia Sea: A revised interpretation of the North and West Scotia ridge junction. <i>Earth and Planetary Science Letters</i> , <b>2019</b> , 518, 136-147	5.3	9
57	Timing of exhumation and deformation across the Taimyr fold-thrust belt: insights from apatite fission track dating and balanced cross-sections. <i>Geological Society Special Publication</i> , <b>2018</b> , 460, 315-333	1.7	9
56	Insights into the evolution of the Hindu Kush-Kohistan-Karakoram from modern river sand detrital geo- and thermochronological studies. <i>Journal of the Geological Society</i> , <b>2018</b> , 175, 934-948	2.7	9
55	Late Triassic tectonic inversion in the upper Yangtze Block: Insights from detrital zircon U-Pb geochronology from south-western Sichuan Basin. <i>Basin Research</i> , <b>2019</b> , 31, 92-113	3.2	9
54	U-Pb Detrital Zircon Geochronology of the Lower Danube and Its Tributaries: Implications for the Geology of the Carpathians. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2018</b> , 19, 3208-3223	3.6	9
53	Provenance, routing and weathering history of heavy minerals from coastal placer deposits of southern Vietnam. <i>Sedimentary Geology</i> , <b>2018</b> , 373, 228-238	2.8	9
52	Badly Behaved Detrital (U-Th)/He Ages: Problems With He Diffusion Models or Geological Models?. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2019</b> , 20, 2418	3.6	8
51	Impacts of arc collision on small orogens: new insights from the Coastal Range detrital record, Taiwan. <i>Journal of the Geological Society</i> , <b>2014</b> , 171, 5-8	2.7	8
50	Middle Jurassic collision of an exotic microcontinental fragment: Implications for magmatism across the Southeast China continental margin. <i>Gondwana Research</i> , <b>2016</b> , 38, 304-312	5.1	7
49	Improving constraints on apatite provenance: Nd measurement on fission-track-dated grains. <i>Geological Society Special Publication</i> , <b>2009</b> , 324, 57-72	1.7	7
48	Reply to comment on "Compositional and structural control of fission-track annealing in apatite" by J. Barbarand, A. Carter, I. Wood and A.J. Hurford, <i>Chemical Geology</i> 198, 107-137, 2003. <i>Chemical Geology</i> , <b>2005</b> , 214, 359-361	4.2	7
47	Characterizing the significance of provenance on the inference of thermal history models from apatite fission-track data: a synthetic data study <b>2004</b> ,		7
46	Drainage evolution and exhumation history of the eastern Himalaya: Insights from the Nicobar Fan, northeastern Indian Ocean. <i>Earth and Planetary Science Letters</i> , <b>2020</b> , 548, 116472	5.3	7
45	Discovery of a meteoritic ejecta layer containing unmelted impactor fragments at the base of Paleocene lavas, Isle of Skye, Scotland. <i>Geology</i> , <b>2018</b> , 46, 171-174	5	7
44	Detrital zircon geochronology of the Cretaceous succession from the Iberian Atlantic Margin: palaeogeographic implications. <i>International Journal of Earth Sciences</i> , <b>2016</b> , 105, 727-745	2.2	6
43	Heated Topics in Thermochronology and Paths towards Resolution. <i>Geosciences (Switzerland)</i> , <b>2020</b> , 10, 375	2.7	6
42	Evolution of a cratonic basin: insights from the stratal architecture and provenance history of the Parnaíba Basin. <i>Geological Society Special Publication</i> , <b>2018</b> , 472, 157-179	1.7	5

41	Cenozoic landforms and post-orogenic landscape evolution of the Balkanide orogen: Evidence for alternatives to the tectonic denudation narrative in southern Bulgaria. <i>Geomorphology</i> , <b>2017</b> , 276, 203-221	4.3	5
40	Lower crustal zircons reveal Neogene metamorphism beneath the Pannonian Basin (Hungary). <i>Open Geosciences</i> , <b>2015</b> , 7,	1.3	5
39	Post-collisional collapse in the wake of migrating arc-continent collision in the Ilan Basin, Taiwan <b>2008</b> , 257-278		5
38	The Forties and Brimmond Fields, Blocks 21/10, 22/6a, UK North Sea. <i>Geological Society Memoir</i> , <b>2003</b> , 20, 557-561	0.4	5
37	Thermal histories of Permian and Triassic basins in Britain derived from fission track analysis. <i>Geological Society Special Publication</i> , <b>1995</b> , 91, 41-56	1.7	5
36	Thermal histories of Tertiary sediments in western central Sumatra, Indonesia. <i>Journal of Southeast Asian Earth Sciences</i> , <b>1996</b> , 14, 351-371		5
35	Discussion on the erosional and uplift history of NE Atlantic passive margins: constraints on a passing plume. <i>Journal of the Geological Society</i> , <b>1999</b> , 156, 653-656	2.7	5
34	Chapter 10 Provenance of Oligocene Andaman sandstones (Andaman-Nicobar Islands): Ganga-Brahmaputra or Irrawaddy derived?. <i>Geological Society Memoir</i> , <b>2017</b> , 47, 141-152	0.4	4
33	Chapter 14 Seismicity of the Andaman-Nicobar Islands and Andaman Sea. <i>Geological Society Memoir</i> , <b>2017</b> , 47, 205-213	0.4	4
32	Zircon fission track and U-Pb dating methods applied to São Paulo and Taubaté Basins located in the southeast Brazil. <i>Radiation Measurements</i> , <b>2013</b> , 50, 172-180	1.5	4
31	Granitoid zircon forms the nucleus for minerals precipitated by carbonate-derived metasomatic fluids at Chilwa Island, Malawi. <i>Gondwana Research</i> , <b>2017</b> , 51, 64-77	5.1	4
30	Evidence for the Unroofing History of Hercynian Granitoids in Central Portugal Derived from Late Palaeozoic and Mesozoic Sedimentary Zircons <b>1998</b> , 173-186		4
29	Chapter 8 Mithakhari deposits. <i>Geological Society Memoir</i> , <b>2017</b> , 47, 111-132	0.4	3
28	Chapter 9 Submarine fan deposits: petrography and geochemistry of the Andaman Flysch. <i>Geological Society Memoir</i> , <b>2017</b> , 47, 133-140	0.4	3
27	Observations on three-dimensional measurement of confined fission track lengths in apatite using digital imagery. <i>American Mineralogist</i> , <b>2018</b> , 103, 430-440	2.9	3
26	Handling of counting data for fission track dating. <i>International Journal of Radiation Applications and Instrumentation Part D, Nuclear Tracks and Radiation Measurements</i> , <b>1987</b> , 13, 105-110		3
25	Apatite fission track analysis of Sites 959 and 960 on the Transform Continental Margin of Ghana, West Africa		3
24	Slowing rates of regional exhumation in the western Himalaya: fission track evidence from the Indus Fan. <i>Geological Magazine</i> , <b>2020</b> , 157, 848-863	2	3

23	Stratigraphy and Provenance of the Paleogene Syn-Rift Sediments in Central-Southern Palawan: Paleogeographic Significance for the South China Margin. <i>Tectonics</i> , <b>2021</b> , 40, e2021TC006753	4.3	3
22	Chapter 11 The Archipelago Group: current understanding. <i>Geological Society Memoir</i> , <b>2017</b> , 47, 153-166	0.4	2
21	Chapter 12 Inner-arc volcanism: Barren and Narcondam islands. <i>Geological Society Memoir</i> , <b>2017</b> , 47, 167-192	1.2	2
20	Fission-track analysis of samples from the Alboran Sea basement		2
19	Cenozoic tectonic evolution of southeastern Thailand derived from low-temperature thermochronology. <i>Journal of the Geological Society</i> , <b>2020</b> , 177, 395-411	2.7	2
18	Cenozoic Dynamic Topography of Madagascar. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2021</b> , 22, e2020GC009624	3.0	2
17	South Atlantic passive margin evolution: A thermochronology case study from the Rio de Janeiro-Três Rios section, SE Brazil. <i>Journal of South American Earth Sciences</i> , <b>2021</b> , 106, 103051	2	2
16	Provenance study of the Lubok Antu Mlange from the Lupar valley, West Sarawak, Borneo: Implications for the closure of eastern Meso-Tethys?. <i>Chemical Geology</i> , <b>2021</b> , 581, 120415	4.2	2
15	A large West Antarctic Ice Sheet explains early Neogene sea-level amplitude.. <i>Nature</i> , <b>2021</b> , 600, 450-455	5.0.4	2
14	Chapter 15 The 26 December 2004 earthquake and tsunami. <i>Geological Society Memoir</i> , <b>2017</b> , 47, 215-224	4.4	1
13	Chapter 16 Natural resources. <i>Geological Society Memoir</i> , <b>2017</b> , 47, 225-232	0.4	1
12	Unravelling an allochthonous, subaqueously deposited volcaniclastic to subaerial andesitic lava assemblage in Hong Kong: age, stratigraphy and provenance studies of the Middle Jurassic Tuen Mun Formation. <i>Journal of the Geological Society</i> , <b>2017</b> , 174, 913-928	2.7	1
11	The exhumation of the western Greater Caucasus: thermochronometric study [Erratum]. <i>Geological Magazine</i> , <b>2011</b> , 148, 21-21	2	1
10	Discussion of exhumation history of eastern Ladakh revealed by <sup>40</sup> Ar/ <sup>39</sup> Ar and fission track ages: the Indus River–So Morari transect, NW Himalaya. <i>Journal of the Geological Society</i> , <b>2004</b> , 161, 893-894	2.7	1
9	Eocene–Recent drainage evolution of the Colorado River and its precursor: an integrated provenance perspective from SW California. <i>Geological Society Special Publication</i> , <b>2019</b> , 488, 47-72	1.7	1
8	From sink to source: Using offshore thermochronometric data to extract onshore erosion signals in Namibia. <i>Basin Research</i> , <b>2021</b> , 33, 1580-1602	3.2	1
7	Low-Temperature Thermochronology of the Indus Basin in Central Ladakh, Northwest India: Implications of Miocene-Pliocene Cooling in the India-Asia Collision Zone. <i>Tectonics</i> , <b>2020</b> , 39, e2020TC006333	4.3	0
6	No modern Irrawaddy River until the late Miocene-Pliocene. <i>Earth and Planetary Science Letters</i> , <b>2022</b> , 584, 117516	5.3	0

- 5 Chapter 1 Introduction and history of mapping and research. *Geological Society Memoir*, **2017**, 47, 1-7 0.4
- 4 Paleogene Tectonic and Sedimentation History of the Andaman-Nicobar Accretionary Arc, Northeast Indian Ocean. *Society of Earth Scientists Series*, **2018**, 91-112 0.6
- 3 R. S. Anderson & S. P. Anderson 2010. *Geomorphology: The Mechanics and Chemistry of Landscapes*. xvi + 637pp. Cambridge University Press. Price £40.00, US\$75.00 (PB). ISBN 978 0 521 51978 6.. *Geological Magazine*, **2011**, 148, 348-348 2
- 2 Reply to Comment on Detrital U-Pb zircon dating of lower Ordovician syn-arc continent collision conglomerates in the Irish Caledonides by Peter D. Clift, Andrew Carter, Amy E. Draut, Hoang Van Long, David M. Chew, Hans A. Schouten, *Tectonophysics* 479 (2009), 165-174 (doi:10.1016/j.tecto.2008.07.018). *Tectonophysics*, **2010**, 490, 138-139 3.1
- 1 Geochemistry and paleogeography of the Rajang Group, Northwest Borneo, Malaysia. *Marine and Petroleum Geology*, **2022**, 137, 105500 4.7