

# Alex C Copley

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

2,500  
citations

186265

28  
h-index

197818

49  
g-index

59  
all docs

59  
docs citations

59  
times ranked

2697  
citing authors

#	ARTICLE	IF	CITATIONS
1	Corrigendum to: Links between foreland rheology and the growth and evolution of a young mountain belt in New Guinea. <i>Geophysical Journal International</i> , 2022, 229, 719-719.	2.4	0
2	The controls on the thermal evolution of continental mountain ranges. <i>Journal of Metamorphic Geology</i> , 2022, 40, 1235-1270.	3.4	5
3	Lateral Variations in Lower Crustal Strength Control the Temporal Evolution of Mountain Ranges: Examples From South-East Tibet. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009092.	2.5	16
4	Understanding earthquakes using the geological record: an introduction. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20190410.	3.4	1
5	Crustal Deformation and Fault Strength of the Sulawesi Subduction Zone. <i>Tectonics</i> , 2021, 40, e2020TC006573.	2.8	7
6	Indian plate structural inheritance in the Himalayan foreland basin, Nepal. <i>Basin Research</i> , 2021, 33, 2792-2816.	2.7	6
7	Links between foreland rheology and the growth and evolution of a young mountain belt in New Guinea. <i>Geophysical Journal International</i> , 2021, 228, 1684-1712.	2.4	2
8	The metamorphic and magmatic record of collisional orogens. <i>Nature Reviews Earth &amp; Environment</i> , 2021, 2, 781-799.	29.7	34
9	Quantifying Water Diffusivity and Metamorphic Reaction Rates Within Mountain Belts, and Their Implications for the Rheology of Cratons. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009988.	2.5	5
10	The controls on earthquake ground motion in foreland-basin settings: the effects of basin and source geometry. <i>Geophysical Journal International</i> , 2021, 225, 512-529.	2.4	5
11	The exhumation of the Indo-Burman Ranges, Myanmar. <i>Earth and Planetary Science Letters</i> , 2020, 530, 115948.	4.4	26
12	Reconciling Geophysical and Petrological Estimates of the Thermal Structure of Southern Tibet. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008837.	2.5	12
13	Observations and dynamical implications of active normal faulting in South Peru. <i>Geophysical Journal International</i> , 2020, 222, 27-53.	2.4	11
14	The relationship between mantle potential temperature and oceanic lithosphere buoyancy. <i>Earth and Planetary Science Letters</i> , 2019, 518, 86-99.	4.4	41
15	Reconciling the Long-Term Relationship Between Reservoir Pore Pressure Depletion and Compaction in the Groningen Region. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 6165-6178.	3.4	21
16	The decade-long Machaze-Zinave aftershock sequence in the slowly straining Mozambique Rift. <i>Geophysical Journal International</i> , 2019, 217, 504-531.	2.4	9
17	Controls on the geometry and evolution of thin-skinned fold-thrust belts, and applications to the Makran accretionary prism and Indo-Burman Ranges. <i>Geophysical Journal International</i> , 2019, 218, 247-267.	2.4	9
18	Seismological constraints on the down-dip shape of normal faults. <i>Geophysical Journal International</i> , 2018, 213, 534-560.	2.4	3

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19	Unexpected earthquake hazard revealed by Holocene rupture on the Kenchreai Fault (central Greece): Implications for weak sub-fault shear zones. <i>Earth and Planetary Science Letters</i> , 2018, 486, 141-154.	4.4	9
20	Forearc collapse, plate flexure, and seismicity within the downgoing plate along the Sunda Arc west of Sumatra. <i>Earth and Planetary Science Letters</i> , 2018, 484, 81-91.	4.4	9
21	The strength of earthquake-generating faults. <i>Journal of the Geological Society</i> , 2018, 175, 1-12.	2.1	38
22	Extension and Dynamics of the Andes Inferred From the 2016 Parina (Huarichancara) Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 8198-8228.	3.4	21
23	Timing and mechanism of the rise of the Shillong Plateau in the Himalayan foreland. <i>Geology</i> , 2018, 46, 279-282.	4.4	59
24	The Late Eocene–Early Miocene Unconformities of the NW Indian Intraplate Basins and Himalayan Foreland: A Record of Tectonics or Mantle Dynamics?. <i>Tectonics</i> , 2018, 37, 3970-3985.	2.8	9
25	Megathrust and accretionary wedge properties and behaviour in the Makran subduction zone. <i>Geophysical Journal International</i> , 2017, 209, 1800-1830.	2.4	68
26	The 2008 Methoni earthquake sequence: the relationship between the earthquake cycle on the subduction interface and coastal uplift in SW Greece. <i>Geophysical Journal International</i> , 2017, 208, 1592-1610.	2.4	19
27	Blind Thrusting, Surface Folding, and the Development of Geological Structure in the <i>M<sub>w</sub></i> 6.3 2015 Pishan (China) Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 9359-9382.	3.4	33
28	Fault mechanics and post-seismic deformation at Bam, SE Iran. <i>Geophysical Journal International</i> , 2017, 209, 1018-1035.	2.4	27
29	Subduction and vertical coastal motions in the eastern Mediterranean. <i>Geophysical Journal International</i> , 2017, 211, 593-620.	2.4	49
30	Fault rheology in an aseismic fold-thrust belt (Shahdad, eastern Iran). <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 412-431.	3.4	10
31	Estimates of fault strength from the Variscan foreland of the northern UK. <i>Earth and Planetary Science Letters</i> , 2016, 451, 108-113.	4.4	14
32	Evolving strain partitioning in the Eastern Himalaya: The growth of the Shillong Plateau. <i>Earth and Planetary Science Letters</i> , 2016, 433, 1-9.	4.4	87
33	The 2013 <i>M<sub>w</sub></i> 6.2 Khaki–Shonbe (Iran) Earthquake: Insights into seismic and aseismic shortening of the Zagros sedimentary cover. <i>Earth and Space Science</i> , 2015, 2, 435-471.	2.6	38
34	Evolution and dynamics of a fold-thrust belt: the Sulaiman Range of Pakistan. <i>Geophysical Journal International</i> , 2015, 201, 683-710.	2.4	36
35	Seismogenic faulting of the sedimentary sequence and laterally variable material properties in the Zagros Mountains (Iran) revealed by the August 2014 Murmuri (E. Dehloran) earthquake sequence. <i>Geophysical Journal International</i> , 2015, 203, 1436-1459.	2.4	34
36	Subduction tractions and vertical axis rotations in the Zagros–Makran transition zone, SE Iran: the 2013 May 11 <i>M<sub>w</sub></i> 6.1 Minab earthquake. <i>Geophysical Journal International</i> , 2015, 202, 1122-1136.	2.4	16

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37	A reassessment of outer-rise seismicity and its implications for the mechanics of oceanic lithosphere. <i>Geophysical Journal International</i> , 2014, 197, 63-89.	2.4	99
38	Postseismic afterslip 30 years after the 1978 Tabas-e-Golshan (Iran) earthquake: observations and implications for the geological evolution of thrust belts. <i>Geophysical Journal International</i> , 2014, 197, 665-679.	2.4	34
39	Constraining fault friction by re-examining earthquake nodal plane dips. <i>Geophysical Journal International</i> , 2014, 196, 671-680.	2.4	28
40	Imaging topographic growth by long-lived postseismic afterslip at Sefidabeh, east Iran. <i>Tectonics</i> , 2014, 33, 330-345.	2.8	24
41	Active faulting in apparently stable peninsular India: Rift inversion and a Holocene great earthquake on the Tapti Fault. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 6650-6666.	3.4	40
42	The 2012 August 11 Ahar earthquakes: consequences for tectonics and earthquake hazard in the Turkish-Iranian Plateau. <i>Geophysical Journal International</i> , 2014, 196, 15-21.	2.4	35
43	Constraining fault friction in oceanic lithosphere using the dip angles of newly-formed faults at outer rises. <i>Earth and Planetary Science Letters</i> , 2014, 392, 94-99.	4.4	23
44	An explanation for the age independence of oceanic elastic thickness estimates from flexural profiles at subduction zones, and implications for continental rheology. <i>Earth and Planetary Science Letters</i> , 2014, 392, 207-216.	4.4	24
45	The Dzhungarian fault: Late Quaternary tectonics and slip rate of a major right-lateral strike-slip fault in the northern Tien Shan region. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 5681-5698.	3.4	48
46	The 2011 Mw 7.1 Van (Eastern Turkey) earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 1619-1637.	3.4	80
47	The formation of mountain range curvature by gravitational spreading. <i>Earth and Planetary Science Letters</i> , 2012, 351-352, 208-214.	4.4	27
48	Constraints on fault and lithosphere rheology from the coseismic slip and postseismic afterslip of the 2006 Mw 7.0 Mozambique earthquake. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	45
49	Thermal and tectonic consequences of India underthrusting Tibet. <i>Earth and Planetary Science Letters</i> , 2012, 353-354, 231-239.	4.4	97
50	The 2001 Mw 7.6 Bhuj earthquake, low fault friction, and the crustal support of plate driving forces in India. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	65
51	Evidence for mechanical coupling and strong Indian lower crust beneath southern Tibet. <i>Nature</i> , 2011, 472, 79-81.	27.8	144
52	Oroclinal bending, distributed thrust and strike-slip faulting, and the accommodation of Arabia-Eurasia convergence in NE Iran since the Oligocene. <i>Geophysical Journal International</i> , 2010, , no-no.	2.4	22
53	India-Asia collision and the Cenozoic slowdown of the Indian plate: Implications for the forces driving plate motions. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	332
54	Subparallel thrust and normal faulting in Albania and the roles of gravitational potential energy and rheology contrasts in mountain belts. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	37

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55	Kinematics and dynamics of the southeastern margin of the Tibetan Plateau. <i>Geophysical Journal International</i> , 2008, 174, 1081-1100.	2.4	86
56	Models of crustal flow in the India-Asia collision zone. <i>Geophysical Journal International</i> , 2007, 169, 683-698.	2.4	171
57	Active tectonics of the Turkish-Iranian Plateau. <i>Tectonics</i> , 2006, 25, n/a-n/a.	2.8	171
58	The Dahuiyeh (Zarand) earthquake of 2005 February 22 in central Iran: reactivation of an intramountain reverse fault. <i>Geophysical Journal International</i> , 2006, 164, 137-148.	2.4	79