Geoffrey E Batt

List of Publications by Year
in descending order

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30 papers	1,674 citations	361413 20 h-index	454955 30 g-index
32 all docs	32 docs citations	32 times ranked	1655 citing authors

#	Article	IF	Citations
1	A zero-damage model for fission-track annealing in zircon. American Mineralogist, 2004, 89, 473-484.	1.9	185
2	Variations in exhumation level and uplift rate along the obliqu-slip Alpine fault, central Southern Alps, New Zealand. Bulletin of the Geological Society of America, 2005, 117, 707.	3.3	154
3	Permian flood basalts from the Tarim Basin, Northwest China: SHRIMP zircon Uâ€“Pb dating and geochemical characteristics. Gondwana Research, 2011, 20, 485-497.	6.0	135
4	On the thermomechanical evolution of compressional orogens. Geophysical Journal International, 1997, 128, 364-382.	2.4	131
5	Early Cretaceous volcanism in the northern Songliao Basin, NE China, and its geodynamic implication. Gondwana Research, 2011, 19, 163-176.	6.0	123
6	The tectonic evolution of the Southern Alps, New Zealand: insights from fully thermally coupled dynamical modelling. Geophysical Journal International, 1999, 136, 403-420.	2.4	120
7	Tectonic synthesis of the Olympic Mountains segment of the Cascadia wedge, using two-dimensional thermal and kinematic modeling of thermochronological ages. Journal of Geophysical Research, 2001, 106, 26731-26746.	3.3	76
8	The Uplift History of the Haiyuan-Liupan Shan Region Northeast of the Present Tibetan Plateau: Integrated Constraint from Stratigraphy and Thermochronology. Journal of Geology, 2011, 119, 372-393.	1.4	62
9	Lateral thinking: 2-D interpretation of thermochronology in convergent orogenic settings. Tectonophysics, 2002, 349, 185-201.	2.2	58
10	Late Mesozoicâ€“Cenozoic evolution of the Sanjiang Basin in NE China and its tectonic implications for the West Pacific continental margin. Journal of Asian Earth Sciences, 2012, 49, 287-299.	2.3	56
11	Slip localization on the southern Alpine Fault, New Zealand. Tectonics, 2013, 32, 620-640.	2.8	55
12	Neogene rock uplift and erosion in northern Borneo: evidence from the Kinabalu granite, Mount Kinabalu. Journal of the Geological Society, 2013, 170, 805-816.	2.1	49
13	Cenozoic plate boundary evolution in the South Island of New Zealand: New thermochronological constraints. Tectonics, 2004, 23, n/a-n/a.	2.8	46
14	Early Cretaceous provenance change in the southern Hailar Basin, northeastern China and its implication for basin evolution. Cretaceous Research, 2013, 40, 21-42.	1.4	45
15	Geological and thermochronological studies of the Dashui gold deposit, West Qinling Orogen, Central China. Mineralium Deposita, 2013, 48, 397-412.	4.1	32
16	Detrital zircon Uâ€“Pb geochronology and stratigraphy of the Cretaceous Sanjiang Basin in NE China: Provenance record of an abrupt tectonic switch in the mode and nature of the NE Asian continental margin evolution. Tectonophysics, 2015, 665, 58-78.	2.2	31
17	Thermochronological record of Middleâ€“Late Jurassic magmatic reheating to Eocene rift-related rapid cooling in the SE South China Block. Gondwana Research, 2017, 46, 191-203.	6.0	24
18	Cooling and exhumation of the mid-Jurassic porphyry copper systems in Dexing City, SE China: insights from geo- and thermochronology. Mineralium Deposita, 2014, 49, 809-819.	4.1	23

#	Article	IF	Citations
19	Tectonothermal history of the NE Jiangshanâ€“Shaoxing suture zone: Evidence from 40Ar/39Ar and fission-track thermochronology in the Chencai region. Precambrian Research, 2015, 264, 192-203.	2.7	22
20	Post-250â€¯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.	6.0	22
21	Subduction zone retreat and recent tectonics of the South Island of New Zealand. Tectonics, 1998, 17, 267-284.	2.8	21
22	Exhumation and relief development in the Pelvoux and Doraâ€Maira massifs (western Alps) assessed by spectral analysis and inversion of thermochronological age transects. Journal of Geophysical Research, 2012, 117, .	3.3	20
23	Zircon (U-Th)/He thermochronometric constraints on the mineralization of the giant Xikuangshan Sb deposit in central Hunan, South China. Mineralium Deposita, 2020, 55, 901-912.	4.1	20
24	A simple kinematic model for crustal deformation along two- and three-dimensional listric normal faults derived from scaled laboratory experiments. Journal of Structural Geology, 1994, 16, 1477-1490.	2.3	17
25	New insight into the dynamic development of the Southern Alps, New Zealand, from detailed thermochronological investigation of the Mataketake Range pegmatites. Geological Society Special Publication, 1999, 154, 261-282.	1.3	17
26	The approach to steady-state thermochronological distribution following orogenic development in the Southern Alps of New Zealand. Numerische Mathematik, 2001, 301, 374-384.	1.4	15
27	Effect of strain-weakening on Oligoceneâ€“Miocene self-organization of the Australian-Pacific plate boundary fault in southern New Zealand: Insights from numerical modelling. Journal of Geodynamics, 2016, 100, 130-143.	1.6	12
28	Kinematic strain localization. Earth and Planetary Science Letters, 2010, 300, 197-204.	4.4	8
29	Cretaceous sedimentary blanketing and tectonic rejuvenation in the Western Klamath moutains: Insights from thermochronology. Open Geosciences, 2010, 2, 138-151.	1.7	3
30	Correction to â€œTectonic synthesis of the Olympic Mountains segment of the Cascadia wedge, using two-dimensional thermal and kinematic modeling of thermochronological agesâ€• Journal of Geophysical Research, 2004, 109, .	3.3	1