

Mark T Brandon

List of Publications by Year in descending order

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43
papers

5,683
citations

126907

33
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276875

41
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44
all docs

44
docs citations

44
times ranked

4049
citing authors

#	ARTICLE	IF	CITATIONS
1	USING THERMOCHRONOLOGY TO UNDERSTAND OROGENIC EROSION. Annual Review of Earth and Planetary Sciences, 2006, 34, 419-466.	11.0	765
2	Topographic controls on erosion rates in tectonically active mountain ranges. Earth and Planetary Science Letters, 2002, 201, 481-489.	4.4	656
3	Late Cenozoic exhumation of the Cascadia accretionary wedge in the Olympic Mountains, northwest Washington State. Bulletin of the Geological Society of America, 1998, 110, 985-1009.	3.3	647
4	On steady states in mountain belts. Geology, 2002, 30, 175.	4.4	541
5	A Fluvial Record of Long-term Steady-state Uplift and Erosion Across the Cascadia Forearc High, Western Washington State. Numerische Mathematik, 2001, 301, 385-431.	1.4	249
6	Probability density plot for fission-track grain-age samples. Radiation Measurements, 1996, 26, 663-676.	1.4	231
7	Glaciation as a destructive and constructive control on mountain building. Nature, 2010, 467, 313-317.	27.8	219
8	Steady-state exhumation of the European Alps. Geology, 2001, 29, 35.	4.4	171
9	Exhumation processes. Geological Society Special Publication, 1999, 154, 1-27.	1.3	157
10	Exhumation history of orogenic highlands determined by detrital fission-track thermochronology. Geological Society Special Publication, 1999, 154, 283-304.	1.3	152
11	Formation of forearc basins and their influence on subduction zone earthquakes. Geology, 2006, 34, 65.	4.4	138
12	Macrogeomorphic evolution of the post-Triassic Appalachian mountains determined by deconvolution of the offshore basin sedimentary record. Basin Research, 1996, 8, 255-278.	2.7	128
13	Regionally extensive mid-Cretaceous west-vergent thrust system in the northwestern Cordillera: Implications for continent-margin tectonism. Geology, 1990, 18, 276.	4.4	127
14	Quantitative testing of bedrock incision models for the Clearwater River, NW Washington State. Journal of Geophysical Research, 2003, 108, .	3.3	116
15	Leaf wax stable isotopes from Northern Tibetan Plateau: Implications for uplift and climate since 15 Ma. Earth and Planetary Science Letters, 2014, 390, 186-198.	4.4	100
16	Using leaf margin analysis to estimate the mid-Cretaceous (Albian) paleolatitude of the Baja BC block. Earth and Planetary Science Letters, 2006, 245, 95-114.	4.4	89
17	High-pressure metamorphism and uplift of the Olympic subduction complex. Geology, 1990, 18, 1252.	4.4	83
18	Some analytical methods for converting thermochronometric age to erosion rate. Geochemistry, Geophysics, Geosystems, 2013, 14, 209-222.	2.5	81

#	ARTICLE	IF	CITATIONS
19	Tectonic synthesis of the Olympic Mountains segment of the Cascadia wedge, using two-dimensional thermal and kinematic modeling of thermochronological ages. <i>Journal of Geophysical Research</i> , 2001, 106, 26731-26746.	3.3	76
20	Thermochronologic evidence for the exhumational history of the Alpi Apuane metamorphic core complex, northern Apennines, Italy. <i>Tectonics</i> , 2007, 26, .	2.8	76
21	Contribution of ductile flow to exhumation of low-temperature, high-pressure metamorphic rocks: San Juan-Cascade nappes, NW Washington State. <i>Journal of Geophysical Research</i> , 1999, 104, 10883-10902.	3.3	75
22	Tilt and northward offset of Cordilleran batholiths resolved using igneous barometry. <i>Nature</i> , 1992, 360, 146-149.	27.8	71
23	Thermochronologic evidence for orogen-parallel variability in wedge kinematics during extending convergent orogenesis of the northern Apennines, Italy. <i>Bulletin of the Geological Society of America</i> , 2010, 122, 1160-1179.	3.3	67
24	Kinematic data for the Coast Range fault and implications for exhumation of the Franciscan subduction complex. <i>Geology</i> , 1994, 22, 735.	4.4	61
25	Lateral thinking: 2-D interpretation of thermochronology in convergent orogenic settings. <i>Tectonophysics</i> , 2002, 349, 185-201.	2.2	58
26	Erosional denudation of the British Columbia Coast Ranges as determined from fission-track ages of detrital zircon from the Tofino basin, Olympic Peninsula, Washington. <i>Bulletin of the Geological Society of America</i> , 1994, 106, 1398-1412.	3.3	56
27	Fission-track ages of detrital zircons from Cretaceous strata, southern British Columbia: Implications for the Baja BC hypothesis. <i>Tectonics</i> , 1994, 13, 401-420.	2.8	53
28	A generalized power law approximation for fluvial incision of bedrock channels. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	51
29	Cenozoic plate boundary evolution in the South Island of New Zealand: New thermochronological constraints. <i>Tectonics</i> , 2004, 23, n/a-n/a.	2.8	46
30	Deformational styles in a sequence of olistostromal mélanges, Pacific Rim Complex, western Vancouver Island, Canada. <i>Bulletin of the Geological Society of America</i> , 1989, 101, 1520-1542.	3.3	45
31	Using tracer thermochronology to measure modern relief change in the Sierra Nevada, California. <i>Earth and Planetary Science Letters</i> , 2010, 296, 373-383.	4.4	40
32	Ductile deformation and mass loss in the Franciscan Subduction Complex: implications for exhumation processes in accretionary wedges. <i>Geological Society Special Publication</i> , 1999, 154, 55-86.	1.3	38
33	Analysis of geologic strain data in strain-magnitude space. <i>Journal of Structural Geology</i> , 1995, 17, 1375-1385.	2.3	34
34	Solution-mass-transfer deformation adjacent to the Glarus Thrust, with implications for the tectonic evolution of the Alpine wedge in eastern Switzerland. <i>Journal of Structural Geology</i> , 2001, 23, 1491-1505.	2.3	30
35	Fundamentals of detrital zircon fission-track analysis for provenance and exhumation studies with examples from the European Alps. , 2004, , .		30
36	The Late Cretaceous San Juan thrust system, San Juan Islands, Washington. <i>Special Paper of the Geological Society of America</i> , 1988, , 1-83.	0.5	28

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37	Miocene development of alpine glacial relief in the Patagonian Andes, as revealed by low-temperature thermochronometry. <i>Earth and Planetary Science Letters</i> , 2017, 460, 152-163.	4.4	28
38	22. Computational Tools for Low-Temperature Thermochronometer Interpretation. , 2005, , 589-622.		23
39	Critical form and feedbacks in mountain-belt dynamics: Role of rheology as a tectonic governor. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	11
40	Origin of igneous rocks associated with MÃ©langes of the Pacific Rim Complex, western Vancouver Island, Canada. <i>Tectonics</i> , 1989, 8, 1115-1136.	2.8	10
41	Exhumation Settings, Part I: Relatively Simple Cases. <i>International Geology Review</i> , 2008, 50, 97-120.	2.1	10
42	An autocorrelation method for three-dimensional strain analysis. <i>Journal of Structural Geology</i> , 2015, 81, 135-154.	2.3	9
43	On backflow associated with oceanic and continental subduction. <i>Geophysical Journal International</i> , 2021, 227, 576-590.	2.4	1