Aaron J Martin

List of Publications by Year
in descending order

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32 papers	2,667 citations	430874 18 h-index	477307 29 g-index
32 all docs	32 docs citations	32 times ranked	2314 citing authors

#	Article	IF	Citations
1	Initiation of the Himalayan Orogen as an Early Paleozoic Thin-skinned Thrust Belt. GSA Today, 2003, 13, 4.	2.0	637
2	Detrital zircon geochronology of preâ€Tertiary strata in the Tibetanâ€Himalayan orogen. Tectonics, 2011, 30, .	2.8	626
3	Detrital geochronology and geochemistry of Cretaceousâ€“Early Miocene strata of Nepal: implications for timing and diachroneity of initial Himalayan orogenesis. Earth and Planetary Science Letters, 2004, 227, 313-330.	4.4	337
4	Isotopic and structural constraints on the location of the Main Central thrust in the Annapurna Range, central Nepal Himalaya. Bulletin of the Geological Society of America, 2005, 117, 926.	3.3	175
5	The tectonic significance of (U,Th)/Pb ages of monazite inclusions in garnet from the Himalaya of central Nepal. Chemical Geology, 2007, 244, 1-24.	3.3	95
6	A review of Himalayan stratigraphy, magmatism, and structure. Gondwana Research, 2017, 49, 42-80.	6.0	82
7	Environmental context for the terminal Ediacaran biomineralization of animals. Geobiology, 2016, 14, 344-363.	2.4	78
8	Extrusion vs. duplexing models of Himalayan mountain building 3: duplexing dominates from the Oligocene to Present. International Geology Review, 2015, 57, 1-27.	2.1	75
9	Reconstructing the Greater Indian margin: A balanced cross section in central Nepal focusing on the Lesser Himalayan duplex. Tectonics, 2014, 33, 2143-2168.	2.8	72
10	Metamorphism of Greater and Lesser Himalayan rocks exposed in the Modi Khola valley, central Nepal. Contributions To Mineralogy and Petrology, 2010, 159, 203-223.	3.1	67
11	A review of definitions of the Himalayan Main Central Thrust. International Journal of Earth Sciences, 2017, 106, 2131-2145.	1.8	67
12	Stratigraphic and tectonic implications of field and isotopic constraints on depositional ages of Proterozoic Lesser Himalayan rocks in central Nepal. Precambrian Research, 2011, 185, 1-17.	2.7	64
13	Flaser and wavy bedding in ephemeral streams: a modern and an ancient example. Sedimentary Geology, 2000, 136, 1-5.	2.1	61
14	Radiometric and stratigraphic constraints on terminal Ediacaran (post-Gaskiers) glaciation and metazoan evolution. Precambrian Research, 2010, 182, 402-412.	2.7	57
15	Correlations of fluvial knickzones with landslide dams, lithologic contacts, and faults in the southwestern Annapurna Range, central Nepalese Himalaya. Journal of Geophysical Research, 2012, 117, .	3.3	38
16	Sub-millimeter Heterogeneity of Yttrium and Chromium during Growth of Semi-pelitic Garnet. Journal of Petrology, 2009, 50, 1713-1727.	2.8	24
17	Muscovite ⁴⁰ Ar/ ³⁹ Ar ages help reveal the Neogene tectonic evolution of the southern Annapurna Range, central Nepal. Geological Society Special Publication, 2015, 412, 199-220.	1.3	23
18	Apatite thermochronometry within a knickzone near the Higher Himalaya front, central Nepal: No resolvable fault motion in the past one million years. Tectonics, 2012, 31, .	2.8	22

#	Article	IF	Citations
19	Wrinkle ridges on Mercury and the Moon within and outside of mascons. Icarus, 2019, 331, 226-237.	2.5	16
20	The Lower Cretaceous King Lear Formation, northwest Nevada: Implications for Mesozoic orogenesis in the western U.S. Cordillera. Bulletin of the Geological Society of America, 2010, 122, 537-562.	3.3	14
21	The Greater Himalayan Thrust Belt: Insight Into the Assembly of the Exhumed Himalayan Metamorphic Core, Modi Khola Valley, Central Nepal. Tectonics, 2020, 39, e2020TC006252.	2.8	9
22	Crustal structure and Curie point depth in central Mexico inferred from the spectral analysis and forward modeling of potential field data. Journal of South American Earth Sciences, 2021, 112, 103565.	1.4	7
23	Laurentian and Amazonian sediment sources to Neoproterozoicâ€“lower Paleozoic Maryland Piedmont rocks. , 2015, 11, 1042-1061.		5
24	Further detrital zircon evidence for peri-Gondwanan blocks in the central Appalachian Piedmont Province, USA. Canadian Journal of Earth Sciences, 2019, 56, 1061-1076.	1.3	3
25	Five hundred million years of punctuated addition of juvenile crust during extension in the Goochland Terrane, central Appalachian Piedmont Province. International Geology Review, 2020, 62, 523-548.	2.1	3
26	Provenance and maximum depositional ages of Upper Triassic and Jurassic sandstone, northâ€eastern Mexico. Basin Research, 2022, 34, 1164-1190.	2.7	3
27	Coulomb stress transfer and modeled permanent vertical surface deformation from the August 2011, Mineral, Virginia, earthquake. , 2015, , .		2
28	Experiments on two techniques for the removal of barite from detrital zircon. American Mineralogist, 2021, 106, 930-943.	1.9	2
29	Cambrian geology of the Salt Range of Pakistan: Linking the Himalayan margin to the Indian craton: Comment. Bulletin of the Geological Society of America, 2020, 132, 444-445.	3.3	1
30	Avances recientes en la comprensiÃ³n del sistema de vida terrestre del EdiacÃ¡rico tardÃo en China meridional y el Ãrtico siberiano. Estudios Geologicos, 2019, 75, 097.	0.2	1
31	Stable isotope compositions of surface water in Mexico between 22â€“26 Â°N. Journal of South American Earth Sciences, 2022, 115, 103723.	1.4	1
32	Removal of barite from zircon using an aqueous solution of diethylenetriaminepentaacetic acid and potassium carbonate. American Mineralogist, 2021, , .	1.9	0