

Timothy D Raub

List of Publications by Year in descending order

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35
papers

1,980
citations

218677

26
h-index

377865

34
g-index

35
all docs

35
docs citations

35
times ranked

2274
citing authors

#	ARTICLE	IF	CITATIONS
1	Dodging snowballs: Geochronology of the Gaskiers glaciation and the first appearance of the Ediacaran biota. <i>Geology</i> , 2016, 44, 955-958.	4.4	241
2	Rapid, precise, and high-sensitivity acquisition of paleomagnetic and rock-magnetic data: Development of a low-noise automatic sample changing system for superconducting rock magnetometers. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	115
3	Proterozoic onset of crustal reworking and collisional tectonics: Reappraisal of the zircon oxygen isotope record. <i>Geology</i> , 2014, 42, 451-454.	4.4	110
4	Zn isotope evidence for immediate resumption of primary productivity after snowball Earth. <i>Geology</i> , 2013, 41, 27-30.	4.4	98
5	Extinction patterns, $\delta^{18}\text{O}$ trends, and magnetostratigraphy from a southern high-latitude Cretaceous-Paleogene section: Links with Deccan volcanism. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 350-352, 180-188.	2.3	96
6	Paleomagnetism of the late Cryogenian Nantuo Formation and paleogeographic implications for the South China Block. <i>Journal of Asian Earth Sciences</i> , 2013, 72, 164-177.	2.3	96
7	Unique Neoproterozoic carbon isotope excursions sustained by coupled evaporite dissolution and pyrite burial. <i>Nature Geoscience</i> , 2019, 12, 823-827.	12.9	87
8	An Appalachian Amazon? Magnetofossil evidence for the development of a tropical river-like system in the mid-Atlantic United States during the Paleocene-Eocene thermal maximum. <i>Paleoceanography</i> , 2009, 24, .	3.0	84
9	Evidence for melting mud in Earth's mantle from extreme oxygen isotope signatures in zircon. <i>Geology</i> , 2017, 45, 975-978.	4.4	81
10	Magnetofossil spike during the Paleocene-Eocene thermal maximum: Ferromagnetic resonance, rock magnetic, and electron microscopy evidence from Ancora, New Jersey, United States. <i>Paleoceanography</i> , 2007, 22, .	3.0	72
11	Neoproterozoic cap-dolostone deposition in stratified glacial meltwater plume. <i>Earth and Planetary Science Letters</i> , 2014, 404, 22-32.	4.4	71
12	Gigantism in unique biogenic magnetite at the Paleocene-Eocene Thermal Maximum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17648-17653.	7.1	69
13	Geology and geochronology of the Tana Basin, Ethiopia: LIP volcanism, super eruptions and Eocene-Oligocene environmental change. <i>Earth and Planetary Science Letters</i> , 2016, 443, 1-8.	4.4	68
14	A methane fuse for the Cambrian explosion: carbon cycles and true polar wander. <i>Comptes Rendus - Geoscience</i> , 2003, 335, 65-78.	1.2	65
15	Correlation of Sturtian diamictite successions in southern Australia and northwestern Tasmania by Re-Os black shale geochronology and the ambiguity of Sturtian-type diamictite cap carbonate pairs as chronostratigraphic marker horizons. <i>Precambrian Research</i> , 2009, 172, 301-310.	2.7	65
16	SQUID-SIMS is a useful approach to uncover primary signals in the Archean sulfur cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5468-5473.	7.1	62
17	Triple oxygen isotope variations in sedimentary rocks. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 139, 173-189.	3.9	60
18	Geochemical constraints on the origin of Marinoan cap dolostones from Nuccaleena Formation, South Australia. <i>Chemical Geology</i> , 2013, 351, 95-104.	3.3	52

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19	Sutton hotspot: Resolving Ediacaran-Cambrian Tectonics and true polar wander for Laurentia. <i>Numerische Mathematik</i> , 2011, 311, 651-663.	1.4	49
20	Reexamination of 2.5-Ga $\delta^{18}O$ of oxygen interval points to anoxic ocean before GOE. <i>Science Advances</i> , 2022, 8, eabj7190.	10.3	42
21	Paleoproterozoic increase in zircon $\delta^{18}O$ driven by rapid emergence of continental crust. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 257, 16-25.	3.9	41
22	Searching for Biosignatures Using Electron Paramagnetic Resonance (EPR) Analysis of Manganese Oxides. <i>Astrobiology</i> , 2011, 11, 775-786.	3.0	37
23	Origin of giant wave ripples in snowball Earth cap carbonate. <i>Geology</i> , 2012, 40, 827-830.	4.4	35
24	Pseudofossils in relict methane seep carbonates resemble endemic microbial consortia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 285, 131-142.	2.3	34
25	Chapter 7 Neoproterozoic glacial palaeolatitudes: a global update. <i>Geological Society Memoir</i> , 2011, 36, 93-112.	1.7	33
26	Challenging the sensitivity limits of Paleomagnetism: Magnetostratigraphy of weakly magnetized Guadalupian $\delta^{18}O$ Lopingian (Permian) Limestone from Kyushu, Japan. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 418, 75-89.	2.3	29
27	Molluscan biostratigraphy and paleomagnetism of Campanian strata, Queen Charlotte Islands, British Columbia: implications for Pacific coast North America biochronology. <i>Cretaceous Research</i> , 2009, 30, 939-951.	1.4	19
28	Was the Cambrian explosion both an effect and an artifact of true polar wander?. <i>Numerische Mathematik</i> , 2015, 315, 945-957.	1.4	15
29	A marine origin for the late Mesoproterozoic Copper Harbor and Nonesuch Formations of the Midcontinent Rift of Laurentia. <i>Precambrian Research</i> , 2020, 336, 105510.	2.7	14
30	Siliciclastic prelude to Elatina $\delta^{18}O$ Nuccaleena deglaciation: lithostratigraphy and rock magnetism of the base of the Ediacaran system. <i>Geological Society Special Publication</i> , 2007, 286, 53-76.	1.3	13
31	Geochemical fingerprints of seawater in the Late Mesoproterozoic Midcontinent Rift, North America: Life at the marine-land divide. <i>Chemical Geology</i> , 2020, 553, 119812.	3.3	11
32	Detailed internal structure and along-strike variability of the core of a plate boundary fault: the Highland Boundary fault, Scotland. <i>Journal of the Geological Society</i> , 2020, 177, 283-296.	2.1	6
33	Geophysical Investigation of the Neolithic Calanais Landscape. <i>Remote Sensing</i> , 2019, 11, 2975.	4.0	4
34	Grand Canyon provenance for orthoquartzite clasts in the lower Miocene of coastal southern California. , 2019, 15, 1973-1998.		3
35	High-Resolution Late Devonian Magnetostratigraphy From the Canning Basin, Western Australia: A Re-Evaluation. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	3