Glenn A Milne

List of Publications by Year
in descending order

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68	6,499	87888 38	98798 67
papers	citations	h-index	g-index

71	71	71	5412
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Revised chronology of northwest Laurentide ice-sheet deglaciation from 10Be exposure ages on boulder erratics. Quaternary Science Reviews, 2022, 277, 107369.	3.0	6
2	The age of the opening of the Ice-Free Corridor and implications for the peopling of the Americas. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2118558119.	7.1	13
3	Glacial isostatic adjustment of the Pacific Coast of North America: the influence of lateral Earth structure. Geophysical Journal International, 2021, 226, 91-113.	2.4	7
4	Modelling sea-level fingerprints of glaciated regions with low mantle viscosity. Earth System Dynamics, 2021, 12, 783-795.	7.1	1
5	Early Holocene Greenland-ice mass loss likely triggered earthquakes and tsunami. Earth and Planetary Science Letters, 2020, 546, 116443.	4.4	15
6	Development of anchialine cave habitats and karst subterranean estuaries since the last ice age. Scientific Reports, 2019, 9, 11907.	3.3	23
7	Sensitivity of glacial isostatic adjustment to a partially molten layer at 410Âkm depth. Geophysical Journal International, 2019, 216, 1538-1548.	2.4	2
8	PALeo constraints on SEA level rise (PALSEA): Ice-sheet and sea-level responses to past climate warming. Quaternary Science Reviews, 2019, 212, 28-32.	3.0	5
9	Opening of glacial Lake Agassizâ€™s eastern outlets by the start of the Younger Dryas cold period. Geology, 2018, 46, 155-158.	4.4	67
10	The influence of lateral Earth structure on glacial isostatic adjustment in Greenland. Geophysical Journal International, 2018, 214, 1252-1266.	2.4	24
11	Glacial isostatic adjustment along the Pacific coast of central North America. Quaternary Science Reviews, 2018, 193, 288-311.	3.0	22
12	High Arctic Holocene temperature record from the Agassiz ice cap and Greenland ice sheet evolution. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5952-5957.	7.1	163
13	Final deglaciation of the Scandinavian Ice Sheet and implications for the Holocene global sea-level budget. Earth and Planetary Science Letters, 2016, 448, 34-41.	4.4	66
14	Final Laurentide ice-sheet deglaciation and Holocene climate-sea level change. Quaternary Science Reviews, 2016, 152, 49-59.	3.0	110
15	The contribution of glacial isostatic adjustment to projections of seaâ€level change along the Atlantic and Gulf coasts of North America. Earth's Future, 2016, 4, 440-464.	6.3	58
16	Modelling sea level data from China and Malay-Thailand to estimate Holocene ice-volume equivalent sea level change. Quaternary Science Reviews, 2016, 137, 54-68.	3.0	66
17	Consequences of twenty-first-century policy for multi-millennial climate and sea-level change. Nature Climate Change, 2016, 6, 360-369.	18.8	442
18	Sea-level constraints on the amplitude and source distribution of Meltwater Pulse 1A. Nature Geoscience, 2016, 9, 130-134.	12.9	83

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19	The influence of viscosity structure in the lithosphere on predictions from models of glacial isostatic adjustment. Journal of Geodynamics, 2015, 86, 1-9.	1.6	9
20	New constraints on late Holocene eustatic sea-level changes from MahÃ©, Seychelles. Quaternary Science Reviews, 2015, 115, 1-16.	3.0	35
21	Late Quaternary evolution and sea-level history of a glaciated marine embayment, Bantry Bay, SW Ireland. Marine Geology, 2015, 369, 251-272.	2.1	11
22	A model of Greenland ice sheet deglaciation constrained by observations of relative sea level and ice extent. Quaternary Science Reviews, 2014, 102, 54-84.	3.0	171
23	Understanding subsidence in the Mississippi Delta region due to sediment, ice, and ocean loading: Insights from geophysical modeling. Journal of Geophysical Research: Solid Earth, 2014, 119, 3838-3856.	3.4	60
24	Using relative sea-level data to constrain the deglacial and Holocene history of southern Greenland. Quaternary Science Reviews, 2014, 92, 345-356.	3.0	19
25	Revised estimates of Greenland ice sheet thinning histories based on ice-core records. Quaternary Science Reviews, 2013, 63, 73-82.	3.0	25
26	Radiocarbon Dating of Basal Peats Supports Separation of Lake Superior from Lakes Michigan-Huron about 1250 years ago. Earth and Planetary Science Letters, 2013, 375, 319-325.	4.4	0
27	Dataâ€“model comparison of Holocene sea-level change in the circum-Caribbean region. Global and Planetary Change, 2013, 107, 119-131.	3.5	67
28	Isolation basin records of late Quaternary sea-level change, central mainland British Columbia, Canada. Quaternary International, 2013, 310, 181-198.	1.5	10
29	Barbados-based estimate of ice volume at Last Glacial Maximum affected by subducted plate. Nature Geoscience, 2013, 6, 553-557.	12.9	143
30	The multimillennial sea-level commitment of global warming. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13745-13750.	7.1	227
31	Lower satellite-gravimetry estimates of Antarctic sea-level contribution. Nature, 2012, 491, 586-589.	27.8	159
32	Uncertainties in elevation changes and their impact on Antarctic temperature records since the end of the last glacial period. Earth and Planetary Science Letters, 2012, 315-316, 12-23.	4.4	21
33	Relative sea-level change in Greenland during the last 700 yrs and ice sheet response to the Little Ice Age. Earth and Planetary Science Letters, 2012, 315-316, 76-85.	4.4	30
34	A new glacial isostatic adjustment model for Antarctica: calibrated and tested using observations of relative sea-level change and present-day uplift rates. Geophysical Journal International, 2012, 190, 1464-1482.	2.4	227
35	The influence of decadal- to millennial-scale ice mass changes on present-day vertical land motion in Greenland: Implications for the interpretation of GPS observations. Journal of Geophysical Research, 2011, 116, .	3.3	22
36	Ecosystem Resilience and Threshold Response in the GalÃ¡pagos Coastal Zone. PLoS ONE, 2011, 6, e22376.	2.5	26

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37	An improved glacial isostatic adjustment model for the British Isles. Journal of Quaternary Science, 2011, 26, 541-552.	2.1	190
38	Freshwater Outburst from Lake Superior as a Trigger for the Cold Event 9300 Years Ago. Science, 2010, 328, 1262-1266.	12.6	107
39	Recent results based on continuous GPS observations of the GIA process in Fennoscandia from BIFROST. Journal of Geodynamics, 2010, 50, 8-18.	1.6	108
40	Relative sea level change in west Greenland during the last millennium. Quaternary Science Reviews, 2010, 29, 367-383.	3.0	26
41	Identifying the causes of sea-level change. Nature Geoscience, 2009, 2, 471-478.	12.9	429
42	Calibrating a glaciological model of the Greenland ice sheet from the Last Glacial Maximum to present-day using field observations of relative sea level and ice extent. Quaternary Science Reviews, 2009, 28, 1631-1657.	3.0	175
43	Postglacial relative seaâ€level observations from Ireland and their role in glacial rebound modelling. Journal of Quaternary Science, 2008, 23, 175-192.	2.1	110
44	On the factors behind large Labrador Sea tides during the last glacial cycle and the potential implications for Heinrich events. Paleoceanography, 2008, 23, .	3.0	56
45	Searching for eustasy in deglacial sea-level histories. Quaternary Science Reviews, 2008, 27, 2292-2302.	3.0	227
46	Late Weichselian relative sea-level changes and ice sheet history in southeast Greenland. Earth and Planetary Science Letters, 2008, 272, 8-18.	4.4	50
47	Glacial isostatic adjustment as a control on coastal processes: An example from the Siberian Arctic. Geology, 2007, 35, 747.	4.4	29
48	Did the last sea level lowstand always lead to cross-shelf valley formation and source-to-sink sediment flux?. Journal of Geophysical Research, 2006, 111, .	3.3	33
49	Impact of 3-D Earth structure on Fennoscandian glacial isostatic adjustment: Implications for space-geodetic estimates of present-day crustal deformations. Geophysical Research Letters, 2006, 33, .	4.0	41
50	Angular variation of the magnetic properties and reversal mode of aligned single-domain iron nanoparticles. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	6
51	On post-glacial sea level - II. Numerical formulation and comparative results on spherically symmetric models. Geophysical Journal International, 2005, 161, 679-706.	2.4	306
52	Upper mantle viscosity from continuous GPS baselines in Fennoscandia. Journal of Geodynamics, 2005, 39, 91-109.	1.6	10
53	Modelling Holocene relative sea-level observations from the Caribbean and South America. Quaternary Science Reviews, 2005, 24, 1183-1202.	3.0	298
54	Ice Sheet and Solid Earth Influences on Far-Field Sea-Level Histories. Science, 2005, 309, 925-928.	12.6	155

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55	Ocean tides and Heinrich events. Nature, 2004, 432, 460-460.	27.8	57
56	Continuous GPS measurements of postglacial adjustment in Fennoscandia: 2. Modeling results. Journal of Geophysical Research, 2004, 109, .	3.3	99
57	Late Holocene sea-level changes and isostatic crustal movements in Atlantic Canada. Quaternary International, 2004, 120, 79-89.	1.5	58
58	On post-glacial sea level: I. General theory. Geophysical Journal International, 2003, 154, 253-267.	2.4	292
59	Estimating past continental ice volume from sea-level data. Quaternary Science Reviews, 2002, 21, 361-376.	3.0	90
60	Recent advances in predicting glaciation-induced sea-level changes and their impact on model applications. Geodynamic Series, 2002, , 157-176.	0.1	4
61	BIFROST project: 3-D crustal deformation rates derived from GPS confirm postglacial rebound in Fennoscandia. Earth, Planets and Space, 2001, 53, 703-708.	2.5	20
62	Glacial isostatic adjustment on a rotating earth. Geophysical Journal International, 2001, 147, 562-578.	2.4	88
63	Recent mass balance of polar ice sheets inferred from patterns of global sea-level change. Nature, 2001, 409, 1026-1029.	27.8	479
64	Postglacial sea-level change on a rotating Earth. Geophysical Journal International, 1998, 133, 1-19.	2.4	288
65	The sensitivity of glacial isostatic adjustment predictions to a low-viscosity layer at the base of the upper mantle. Earth and Planetary Science Letters, 1998, 154, 265-278.	4.4	16
66	Glaciation-induced perturbations in the Earth's rotation: A new appraisal. Journal of Geophysical Research, 1998, 103, 985-1005.	3.3	75
67	The influence of time-dependent ocean-continent geometry on predictions of post-glacial sea level change in Australia and New Zealand. Geophysical Research Letters, 1998, 25, 793-796.	4.0	22
68	Postglacial sea-level change on a rotating Earth: first results from a gravitationally self-consistent sea-level equation. Geophysical Journal International, 1996, 126, F13-F20.	2.4	107