

Robert G Hatfield

List of Publications by Year in descending order

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36
papers

1,021
citations

430874

18
h-index

434195

31
g-index

39
all docs

39
docs citations

39
times ranked

1505
citing authors

#	ARTICLE	IF	CITATIONS
1	Sr-Nd-Pb Isotope Evidence for Ice-Sheet Presence on Southern Greenland During the Last Interglacial. <i>Science</i> , 2011, 333, 620-623.	12.6	119
2	Fingerprinting upland sediment sources: particle size-specific magnetic linkages between soils, lake sediments and suspended sediments. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 1359-1373.	2.5	97
3	South Greenland ice-sheet collapse during Marine Isotope Stage 11. <i>Nature</i> , 2014, 510, 525-528.	27.8	86
4	Heat flow in the Lesser Antilles island arc and adjacent back arc Grenada basin. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	80
5	Particle Size-Specific Magnetic Measurements as a Tool for Enhancing Our Understanding of the Bulk Magnetic Properties of Sediments. <i>Minerals (Basel, Switzerland)</i> , 2014, 4, 758-787.	2.0	60
6	Submarine record of volcanic island construction and collapse in the Lesser Antilles arc: First scientific drilling of submarine volcanic island landslides by IODP Expedition 340. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 420-442.	2.5	57
7	Suspended sediment characterization and tracing using a magnetic fingerprinting technique: Bassenthwaite Lake, Cumbria, UK. <i>Holocene</i> , 2008, 18, 105-115.	1.7	50
8	Interglacial responses of the southern Greenland ice sheet over the last 430,000 years determined using particle-size specific magnetic and isotopic tracers. <i>Earth and Planetary Science Letters</i> , 2016, 454, 225-236.	4.4	37
9	Sediment sorting and beach erosion along a coastal foreland: Magnetic measurements in Point Pelee National Park, Ontario, Canada. <i>Sedimentary Geology</i> , 2010, 231, 63-73.	2.1	35
10	Magnetic mineral transport and sorting in the swash zone: northern Lake Erie, Canada. <i>Sedimentology</i> , 2012, 59, 1718-1734.	3.1	32
11	Evolution of the northeast Labrador Sea during the last interglaciation. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	32
12	The relationship between eruptive activity, flank collapse, and sea level at volcanic islands: A long-term (>1 Ma) record offshore Montserrat, Lesser Antilles. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 2591-2611.	2.5	31
13	Source as a controlling factor on the quality and interpretation of sediment magnetic records from the northern North Atlantic. <i>Earth and Planetary Science Letters</i> , 2013, 368, 69-77.	4.4	29
14	Sediment dynamics in an upland temperate catchment: changing sediment sources, rates and deposition. <i>Journal of Paleolimnology</i> , 2008, 40, 1143-1158.	1.6	23
15	Late Pleistocene stratigraphy of IODP Site U1396 and compiled chronology offshore of south and south west Montserrat, Lesser Antilles. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 3000-3020.	2.5	23
16	Holocene break-up and reestablishment of the Petermann Ice Tongue, Northwest Greenland. <i>Quaternary Science Reviews</i> , 2019, 218, 322-342.	3.0	23
17	Grain size dependent magnetic discrimination of Iceland and South Greenland terrestrial sediments in the northern North Atlantic sediment record. <i>Earth and Planetary Science Letters</i> , 2017, 474, 474-489.	4.4	22
18	Holocene sediment dynamics in an upland temperate lake catchment: climatic and land-use impacts in the English Lake District. <i>Holocene</i> , 2009, 19, 427-438.	1.7	20

#	ARTICLE	IF	CITATIONS
19	Southern Greenland glaciation and Western Boundary Undercurrent evolution recorded on Eirik Drift during the late Pliocene intensification of Northern Hemisphere glaciation. <i>Quaternary Science Reviews</i> , 2019, 209, 40-51.	3.0	19
20	Permeability and pressure measurements in Lesser Antilles submarine slides: Evidence for pressure-driven slow-slip failure. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 7986-8011.	3.4	16
21	Identifying cryptotephra units using correlated rapid, nondestructive methods: VSWIR spectroscopy, X-ray fluorescence, and magnetic susceptibility. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 4029-4056.	2.5	15
22	Stratigraphic correlation and splice generation for sediments recovered from a large-lake drilling project: an example from Lake Junçn, Peru. <i>Journal of Paleolimnology</i> , 2020, 63, 83-100.	1.6	13
23	700,000 years of tropical Andean glaciation. <i>Nature</i> , 2022, 607, 301-306.	27.8	13
24	Regionally consistent Western North America paleomagnetic directions from 15 to 35 ka: Assessing chronology and uncertainty with paleosecular variation (PSV) stratigraphy. <i>Quaternary Science Reviews</i> , 2018, 201, 186-205.	3.0	12
25	Particle Size Specific Magnetic Properties Across the Norwegian-Greenland Seas: Insights Into the Influence of Sediment Source and Texture on Bulk Magnetic Records. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 1004-1025.	2.5	12
26	Andean drought and glacial retreat tied to Greenland warming during the last glacial period. <i>Nature Communications</i> , 2020, 11, 5135.	12.8	10
27	U-Th dating of lake sediments: Lessons from the 700 ka sediment record of Lake Junçn, Peru. <i>Quaternary Science Reviews</i> , 2020, 244, 106422.	3.0	10
28	Paleomagnetic Constraint of the Brunhes Age Sedimentary Record From Lake Junçn, Peru. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	10
29	A revised Plio-Pleistocene age model and paleoceanography of the northeastern Caribbean Sea: IODP Site U1396 off Montserrat, Lesser Antilles. <i>Stratigraphy</i> , 2017, 13, 183-203.	0.3	7
30	PALEOCEANOGRAPHY, PHYSICAL AND CHEMICAL PROXIES Magnetic Proxies and Susceptibility. , 2013, , 884-898.		6
31	Recent retreat of Columbia Glacier, Alaska: Millennial context. <i>Geology</i> , 2017, 45, 547-550.	4.4	6
32	Absence of West Antarctic-sourced silt at ODP Site 1096 in the Bellingshausen Sea during the last interglaciation: Support for West Antarctic ice-sheet deglaciation. <i>Quaternary Science Reviews</i> , 2021, 261, 106939.	3.0	4
33	Paleomagnetic observations from lake sediments on Samosir Island, Toba caldera, Indonesia, and its late Pleistocene resurgence. <i>Quaternary Research</i> , 2020, 95, 97-112.	1.7	3
34	A deep-sea agglutinated foraminifer tube constructed with planktonic foraminifer shells of a single species. <i>Journal of Micropalaeontology</i> , 2018, 37, 97-104.	3.6	3
35	Relative Paleointensity Record of Integrated Ocean Drilling Program Site U1396 in the Caribbean Sea: Geomagnetic and Chronostratigraphic Observations in the Pliocene. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009677.	2.5	2
36	Magnetic Fingerprinting of Greenlandic Sediments. <i>Quaternary International</i> , 2012, 279-280, 189.	1.5	0