

Brad E Rosenheim

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

2,338
citations

218592

26
h-index

233338

45
g-index

72
all docs

72
docs citations

72
times ranked

2967
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping spatial and temporal variation of seafloor organic matter $\delta^{14}\text{C}$ and $\delta^{13}\text{C}$ in the Northern Gulf of Mexico following the Deepwater Horizon Oil Spill. <i>Marine Pollution Bulletin</i> , 2021, 164, 112076.	2.3	2
2	Engineered Continental-Scale Rivers Can Drive Changes in the Carbon Cycle. <i>AGU Advances</i> , 2021, 2, e2020AV000273.	2.3	6
3	Reply to Comment by R. Parkinson on "Increasing Rates of Carbon Burial in Southwest Florida Coastal Wetlands" by J. Breithaupt et al.. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006245.	1.3	0
4	History of the Larsen C Ice Shelf reconstructed from sub-ice shelf and offshore sediments. <i>Geology</i> , 2021, 49, 978-982.	2.0	11
5	Scientific access into Mercer Subglacial Lake: scientific objectives, drilling operations and initial observations. <i>Annals of Glaciology</i> , 2021, 62, 340-352.	2.8	29
6	New radiocarbon estimation method for carbonate-poor sediments: A case study of ramped pyrolysis ^{14}C dating of postglacial deposits from the Alaskan margin, Arctic Ocean. <i>Quaternary Geochronology</i> , 2021, 66, 101215.	0.6	4
7	Mapping Isotopic and Dissolved Organic Matter Baselines in Waters and Sediments of the Gulf of Mexico. , 2020, , 160-181.		2
8	Mid-Holocene Grounding Line Retreat and Readvance at Whillans Ice Stream, West Antarctica. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088476.	1.5	28
9	Composition and lability of riverine dissolved organic matter: Insights from thermal slicing ramped pyrolysis GC-MS, amino acid, and stable isotope analyses. <i>Organic Geochemistry</i> , 2020, 149, 104100.	0.9	10
10	Stylasterid corals: A new paleotemperature archive. <i>Earth and Planetary Science Letters</i> , 2020, 545, 116407.	1.8	8
11	Increasing Rates of Carbon Burial in Southwest Florida Coastal Wetlands. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005349.	1.3	32
12	Effects of Improved ^{17}O Correction on Interlaboratory Agreement in Clumped Isotope Calibrations, Estimates of Mineral-Specific Offsets, and Temperature Dependence of Acid Digestion Fractionation. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 3495-3519.	1.0	134
13	Petrocarbon evolution: Ramped pyrolysis/oxidation and isotopic studies of contaminated oil sediments from the Deepwater Horizon oil spill in the Gulf of Mexico. <i>PLoS ONE</i> , 2019, 14, e0212433.	1.1	8
14	Microbial Fe(III) reduction as a potential iron source from Holocene sediments beneath Larsen Ice Shelf. <i>Nature Communications</i> , 2019, 10, 5786.	5.8	11
15	Compositional and beam-size-dependent effects on pressure baseline in clumped isotope mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 140-148.	0.7	1
16	A centuries-long delay between a paleo-ice-shelf collapse and grounding-line retreat in the Whales Deep Basin, eastern Ross Sea, Antarctica. <i>Scientific Reports</i> , 2018, 8, 12392.	1.6	41
17	Large-Scale Intrusion of Circumpolar Deep Water on Antarctic Margin Recorded by Stylasterid Corals. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 1306-1321.	1.3	8
18	Hydrocarbon degradation and response of seafloor sediment bacterial community in the northern Gulf of Mexico to light Louisiana sweet crude oil. <i>ISME Journal</i> , 2018, 12, 2532-2543.	4.4	115

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19	Environmental petroleum pollution analysis using ramped pyrolysis-gas chromatography-mass spectrometry. <i>Organic Geochemistry</i> , 2018, 124, 180-189.	0.9	29
20	Mangrove sediment carbon stocks along an elevation gradient: Influence of the late Holocene marine regression (New Caledonia). <i>Marine Geology</i> , 2018, 404, 60-70.	0.9	18
21	Improved calibration of the Sr/Ca-temperature relationship in the sclerosponge <i>Ceratoporella nicholsoni</i> : Re-evaluating Sr/Ca derived records of post-industrial era warming. <i>Chemical Geology</i> , 2018, 488, 56-61.	1.4	6
22	Environmental controls on the geochemistry of <i>Globorotalia truncatulinoides</i> in the Gulf of Mexico: Implications for paleoceanographic reconstructions. <i>Marine Micropaleontology</i> , 2018, 142, 92-104.	0.5	11
23	Short organic carbon turnover time and narrow ¹⁴ C age spectra in early Holocene wetland paleosols. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 142-155.	1.0	9
24	Sub-ice shelf sediment geochronology utilizing novel radiocarbon methodology for highly detrital sediments. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 1404-1418.	1.0	15
25	Stable and radiocarbon isotopic composition of dissolved organic matter in the Gulf of Mexico. <i>Geophysical Research Letters</i> , 2017, 44, 8424-8434.	1.5	21
26	Permafrost Organic Carbon Mobilization From the Watershed to the Colville River Delta: Evidence From ¹⁴ C Ramped Pyrolysis and Lignin Biomarkers. <i>Geophysical Research Letters</i> , 2017, 44, 11,491.	1.5	23
27	Petroleum hydrocarbon persistence following the Deepwater Horizon oil spill as a function of shoreline energy. <i>Marine Pollution Bulletin</i> , 2017, 115, 47-56.	2.3	25
28	Saving Our Marine Archives. <i>Eos</i> , 2017, , .	0.1	3
29	Employing extant stable carbon isotope data in Gulf of Mexico sedimentary organic matter for oil spill studies. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 129, 249-258.	0.6	15
30	Sediment Core Extrusion Method at Millimeter Resolution Using a Calibrated, Threaded-rod. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	13
31	Distributions and accumulation rates of polycyclic aromatic hydrocarbons in the northern Gulf of Mexico sediments. <i>Environmental Pollution</i> , 2016, 212, 413-423.	3.7	74
32	Clumped isotope composition of cold-water corals: A role for vital effects?. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 179, 123-141.	1.6	66
33	Sediment chronology in Antarctic deglacial sediments: Reconciling organic carbon ¹⁴ C ages to carbonate ¹⁴ C ages using Ramped PyrOx. <i>Holocene</i> , 2016, 26, 265-273.	0.9	21
34	Ventilation time scales of the North Atlantic subtropical cell revealed by coral radiocarbon from the Cape Verde Islands. <i>Paleoceanography</i> , 2015, 30, 938-948.	3.0	5
35	What happens to soil organic carbon as coastal marsh ecosystems change in response to increasing salinity? An exploration using ramped pyrolysis. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 2322-2335.	1.0	30
36	Paleoreconstruction of organic carbon inputs to an oxbow lake in the Mississippi River watershed: Effects of dam construction and land use change on regional inputs. <i>Geophysical Research Letters</i> , 2015, 42, 7983-7991.	1.5	19

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37	Using Natural Abundance Radiocarbon To Trace the Flux of Petrocarbon to the Seafloor Following the Deepwater Horizon Oil Spill. <i>Environmental Science & Technology</i> , 2015, 49, 847-854.	4.6	199
38	Quantification of refractory organic material in Amazon mudbanks of the French Guiana Coast. <i>Marine Geology</i> , 2015, 363, 93-101.	0.9	11
39	Evidence for permafrost thaw and transport from an Alaskan North Slope watershed. <i>Geophysical Research Letters</i> , 2014, 41, 3117-3126.	1.5	39
40	Linking rainforest ecophysiology and microclimate through fusion of airborne LiDAR and hyperspectral imagery. <i>Ecosphere</i> , 2014, 5, 1-37.	1.0	11
41	Blank Corrections for Ramped Pyrolysis Radiocarbon Dating of Sedimentary and Soil Organic Carbon. <i>Analytical Chemistry</i> , 2014, 86, 12085-12092.	3.2	27
42	Siderite $\delta^{13}C$ clumped isotope thermometry: A new paleoclimate proxy for humid continental environments. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 126, 411-421.	1.6	72
43	Charring and non-additive chemical reactions during ramped pyrolysis: Applications to the characterization of sedimentary and soil organic material. <i>Organic Geochemistry</i> , 2014, 77, 106-114.	0.9	30
44	Varying Relative Degradation Rates of Oil in Different Forms and Environments Revealed by Ramped Pyrolysis. <i>Environmental Science & Technology</i> , 2014, 48, 10966-10974.	4.6	27
45	Evaluation of kinetic effects on clumped isotope fractionation ($\delta^{13}C$) during inorganic calcite precipitation. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 134, 120-136.	1.6	118
46	Rare Earth Elements in Stromatolites—1. Evidence that Modern Terrestrial Stromatolites Fractionate Rare Earth Elements During Incorporation from Ambient Waters. <i>Modern Approaches in Solid Earth Sciences</i> , 2014, , 385-411.	0.1	15
47	Research Overview of the Consortium for Advanced Research on Transport of Hydrocarbon in the Environment (CARTHE). <i>International Oil Spill Conference Proceedings</i> , 2014, 2014, 544-560.	0.1	3
48	Measurement of multiply substituted isotopologues ('clumped isotopes') of CO ₂ using a 5 eV compact isotope ratio mass spectrometer: Performance, reference frame, and carbonate paleothermometry. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 1847-1857.	0.7	16
49	Linking ramped pyrolysis isotope data to oil content through PAH analysis. <i>Environmental Research Letters</i> , 2013, 8, 044038.	2.2	22
50	Improving Antarctic Sediment ¹⁴ C Dating Using Ramped Pyrolysis: An Example from the Hugo Island Trough. <i>Radiocarbon</i> , 2013, 55, 115-126.	0.8	37
51	River discharge influences on particulate organic carbon age structure in the Mississippi/Atchafalaya River System. <i>Global Biogeochemical Cycles</i> , 2013, 27, 154-166.	1.9	66
52	Improving Antarctic Sediment ¹⁴ C Dating Using Ramped Pyrolysis: An Example from the Hugo Island Trough. <i>Radiocarbon</i> , 2013, 55, 115-126.	0.8	27
53	Sediment, organic carbon, nutrients, and trace elements: sources, transport, and biogeochemical cycles in the lowermost Mississippi River. , 2013, , 397-420.		4
54	Direct measurement of riverine particulate organic carbon age structure. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	67

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55	Perennial ponds are not an important source of water or dissolved organic matter to groundwaters with high arsenic concentrations in West Bengal, India. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	77
56	A High-Performance ¹⁴ C Accelerator Mass Spectrometry System. <i>Radiocarbon</i> , 2010, 52, 228-235.	0.8	54
57	The ¹³ C Suess effect in scleractinian corals mirror changes in the anthropogenic CO ₂ inventory of the surface oceans. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	120
58	Calibration of sclerosponge oxygen isotope records to temperature using high-resolution $\delta^{18}O$ data. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 5308-5319.	1.6	19
59	Accelerator mass spectrometry ¹⁴ C determination in CO ₂ produced from laser decomposition of aragonite. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 3443-3449.	0.7	12
60	Software development for continuous-gas-flow AMS. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 2233-2237.	0.6	13
61	Antarctic sediment chronology by programmed δ temperature pyrolysis: Methodology and data treatment. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	1.0	121
62	Constraining initial ²³⁰ Th activity in incrementally deposited, biogenic aragonite from the Bahamas. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 4025-4035.	1.6	8
63	Progress on a gas-accepting ion source for continuous-flow accelerator mass spectrometry. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 259, 83-87.	0.6	31
64	Caribbean sclerosponge radiocarbon measurements re-interpreted in terms of U/Th age models. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 259, 474-478.	0.6	8
65	Evidence of multidecadal salinity variability in the eastern tropical North Atlantic. <i>Paleoceanography</i> , 2006, 21, .	3.0	17
66	Minor and trace elements in sclerosponge <i>Ceratoporella nicholsoni</i> : Biogenic aragonite near the inorganic endmember?. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005, 228, 109-129.	1.0	41
67	Salinity change in the subtropical Atlantic: Secular increase and teleconnections to the North Atlantic Oscillation. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	33
68	High-resolution Sr/Ca records in sclerosponges calibrated to temperature in situ. <i>Geology</i> , 2004, 32, 145.	2.0	65
69	Intra-annual variation in the stable oxygen and carbon and trace element composition of sclerosponges. <i>Paleoceanography</i> , 2002, 17, 17-1-17-12.	3.0	43
70	Reef morphology and sediment attributes, Roatan, Bay Islands, Honduras. <i>Carbonates and Evaporites</i> , 2001, 16, 131-140.	0.4	14
71	A FRAMEWORK FOR TRANSDISCIPLINARY RADIOCARBON RESEARCH: USE OF NATURAL-LEVEL AND ELEVATED-LEVEL ¹⁴ C IN ANTARCTIC FIELD RESEARCH. <i>Radiocarbon</i> , 0, , 1-14.	0.8	3