

Elisabeth L Sikes

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

3,319
citations

218677

26
h-index

265206

42
g-index

45
all docs

45
docs citations

45
times ranked

3502
citing authors

#	ARTICLE	IF	CITATIONS
1	Microalgal biomarkers: A review of recent research developments. <i>Organic Geochemistry</i> , 1998, 29, 1163-1179.	1.8	1,046
2	Alkenones in <i>Gephyrocapsa oceanica</i> : Implications for studies of paleoclimate. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 513-520.	3.9	365
3	Old radiocarbon ages in the southwest Pacific Ocean during the last glacial period and deglaciation. <i>Nature</i> , 2000, 405, 555-559.	27.8	275
4	Calibration of alkenone unsaturation ratios (Uk' ³⁷) for paleotemperature estimation in cold polar waters. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 1883-1889.	3.9	165
5	Alkenones and alkenes in surface waters and sediments of the Southern Ocean: Implications for paleotemperature estimation in polar regions. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 1495-1505.	3.9	160
6	Equatorial Atlantic sea surface temperature for the last 30 kyr: A comparison of U ³⁷ K², $\delta^{18}O$ and foraminiferal assemblage temperature estimates. <i>Paleoceanography</i> , 1994, 9, 31-45.	3.0	121
7	Sources of organic matter in a coastal marine environment: Evidence from n-alkanes and their $\delta^{13}C$ distributions in the Hauraki Gulf, New Zealand. <i>Marine Chemistry</i> , 2009, 113, 149-163.	2.3	114
8	Southern Ocean seasonal temperature and Subtropical Front movement on the South Tasman Rise in the late Quaternary. <i>Paleoceanography</i> , 2009, 24, .	3.0	92
9	Upper-ocean-to-atmosphere radiocarbon offsets imply fast deglacial carbon dioxide release. <i>Nature</i> , 2010, 466, 1093-1097.	27.8	74
10	Delivering Sustained, Coordinated, and Integrated Observations of the Southern Ocean for Global Impact. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	67
11	Precision of the current methods to measure the alkenone proxy U ³⁷ K² and absolute alkenone abundance in sediments: Results of an interlaboratory comparison study. <i>Geochemistry, Geophysics, Geosystems</i> , 2001, 2, n/a-n/a.	2.5	66
12	Tephra beds in deep-sea cores off northern New Zealand: implications for the history of Taupo Volcanic Zone, Mayor Island and White Island volcanoes. <i>Journal of Volcanology and Geothermal Research</i> , 2006, 154, 276-290.	2.1	65
13	Relationship of the tetra-unsaturated C ³⁷ alkenone to salinity and temperature: Implications for paleoproxy applications. <i>Geochemistry, Geophysics, Geosystems</i> , 2002, 3, 1-11.	2.5	63
14	Calibration of the carbon isotope composition ($\delta^{13}C$) of benthic foraminifera. <i>Paleoceanography</i> , 2017, 32, 512-530.	3.0	63
15	Alkenone temperature records and biomarker flux at the subtropical front on the Chatham Rise, SW Pacific Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2005, 52, 721-748.	1.4	61
16	Reduced deep ocean ventilation in the Southern Pacific Ocean during the last glaciation persisted into the deglaciation. <i>Earth and Planetary Science Letters</i> , 2016, 438, 130-138.	4.4	47
17	Status of alkenone paleothermometer calibration: Report from Working Group 3. <i>Geochemistry, Geophysics, Geosystems</i> , 2000, 1, n/a-n/a.	2.5	44
18	Southwest Pacific deep water carbonate chemistry linked to high southern latitude climate and atmospheric CO ₂ during the Last Glacial Termination. <i>Quaternary Science Reviews</i> , 2015, 122, 180-191.	3.0	44

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19	Does the bipolar seesaw extend to the terrestrial southern mid-latitudes?. <i>Quaternary Science Reviews</i> , 2012, 36, 214-222.	3.0	37
20	A reexamination of northeast Atlantic sea surface temperature and salinity over the last 16 kyr. <i>Paleoceanography</i> , 1996, 11, 327-342.	3.0	31
21	Deglacial paleoceanographic history of the Bay of Plenty, New Zealand. <i>Paleoceanography</i> , 2005, 20, n/a-n/a.	3.0	31
22	Glacial water mass structure and rapid $\delta^{18}\text{O}$ and $\delta^{13}\text{C}$ changes during the last glacial termination in the Southwest Pacific. <i>Earth and Planetary Science Letters</i> , 2016, 456, 87-97.	4.4	30
23	Seasonal variations in aridity and temperature characterize changing climate during the last deglaciation in New Zealand. <i>Quaternary Science Reviews</i> , 2013, 74, 245-256.	3.0	28
24	Southwest Pacific Ocean surface reservoir ages since the last glaciation: Circulation insights from multiple ϵ -core studies. <i>Paleoceanography</i> , 2016, 31, 298-310.	3.0	28
25	Enhanced $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ Differences Between the South Atlantic and South Pacific During the Last Glaciation: The Deep Gateway Hypothesis. <i>Paleoceanography</i> , 2017, 32, 1000-1017.	3.0	28
26	Flow discharge influences on input and transport of particulate and sedimentary organic carbon along a small temperate river. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 77, 317-334.	3.9	26
27	Pliocene sea surface temperature changes in ODP Site 1125, Chatham Rise, east of New Zealand. <i>Marine Geology</i> , 2004, 205, 113-125.	2.1	20
28	Bacterial influence on alkenones in live microalgae. <i>Journal of Phycology</i> , 2016, 52, 125-130.	2.3	15
29	Southwest Pacific subtropics responded to last deglacial warming with changes in shallow water sources. <i>Paleoceanography</i> , 2014, 29, 595-611.	3.0	14
30	Deep-sea coral $\delta^{13}\text{C}$: A tool to reconstruct the difference between seawater pH and $\delta^{11}\text{B}$ -derived calcifying fluid pH. <i>Geophysical Research Letters</i> , 2016, 43, 299-308.	4.0	14
31	Particulate organic matter higher concentrations, terrestrial sources and losses in bottom waters of the turbidity maximum, Delaware Estuary, U.S.A.. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 180, 179-189.	2.1	12
32	Southwest Pacific Vertical Structure Influences on Oceanic Carbon Storage Since the Last Glacial Maximum. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 734-754.	2.9	12
33	Sources and diagenetic status of organic matter in the Hauraki Gulf, New Zealand: Evidence from the carbon isotopic composition of d- and l-amino acids. <i>Organic Geochemistry</i> , 2007, 38, 440-457.	1.8	10
34	Assessing modern deep-water ages in the New Zealand region using deep-water corals. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2008, 55, 38-49.	1.4	10
35	Neodymium isotope evidence for coupled Southern Ocean circulation and Antarctic climate throughout the last 118,000 years. <i>Quaternary Science Reviews</i> , 2021, 260, 106915.	3.0	10
36	Rapid Loss of CO_2 From the South Pacific Ocean During the Last Glacial Termination. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003766.	2.9	9

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37	Seasonal and Latitudinal Response of New Zealand Sea Surface Temperature to Warming Climate Since the Last Glaciation: Comparing Alkenones to Mg/Ca Foraminiferal Reconstructions. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1816-1832.	2.9	6
38	Assessing the Spatial Origin of Meltwater Pulse 1A Using Oxygen Isotope Fingerprinting. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 2031-2046.	2.9	5
39	World Atlas of late Quaternary Foraminiferal Oxygen and Carbon Isotope Ratios. <i>Earth System Science Data</i> , 2022, 14, 2553-2611.	9.9	5
40	The Mg/Ca proxy for temperature: A <i>Uvigerina</i> core-top study in the Southwest Pacific. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 309, 299-312.	3.9	2
41	Evolution of the Oceanic ¹³ C Suess Effect in the Southeastern Indian Ocean Between 1994 and 2018. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009402.	2.5	1
42	How the ocean exhales. <i>Nature</i> , 2013, 495, 454-455.	27.8	0
43	Proximity to Undersaturation and the Influences on <i>G. bulloides</i> Area Density in Southern Indian Ocean Marine Sediments. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2021PA004249.	2.9	0
44	Organics: Sources and Depositional Environments. <i>Encyclopedia of Earth Sciences Series</i> , 2018, , 1-6.	0.1	0