

Jaime L Toney

List of Publications by Year in descending order

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43
papers

2,149
citations

279798

23
h-index

243625

44
g-index

53
all docs

53
docs citations

53
times ranked

2663
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in fire regimes since the Last Glacial Maximum: an assessment based on a global synthesis and analysis of charcoal data. <i>Climate Dynamics</i> , 2008, 30, 887-907.	3.8	590
2	Extended megadroughts in the southwestern United States during Pleistocene interglacials. <i>Nature</i> , 2011, 470, 518-521.	27.8	124
3	Phylogenetic diversity and evolutionary relatedness of alkenone-producing haptophyte algae in lakes: Implications for continental paleotemperature reconstructions. <i>Earth and Planetary Science Letters</i> , 2010, 300, 311-320.	4.4	119
4	Mathematical modeling of the aquatic macrophyte inputs of mid-chain n-alkyl lipids to lake sediments: Implications for interpreting compound specific hydrogen isotopic records. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 3781-3791.	3.9	112
5	Polycyclic aromatic hydrocarbons (PAHs) in lake sediments record historic fire events: Validation using HPLC-fluorescence detection. <i>Organic Geochemistry</i> , 2012, 45, 7-17.	1.8	104
6	Climatic and environmental controls on the occurrence and distributions of long chain alkenones in lakes of the interior United States. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 1563-1578.	3.9	92
7	Vegetation and climate changes during the last two glacial-interglacial cycles in the western Mediterranean: A new long pollen record from Padul (southern Iberian Peninsula). <i>Quaternary Science Reviews</i> , 2019, 205, 86-105.	3.0	74
8	Paired charcoal and tree-ring records of high-frequency Holocene fire from two New Mexico bog sites. <i>International Journal of Wildland Fire</i> , 2008, 17, 115.	2.4	62
9	Holocene vegetation and fire regimes in subalpine and mixed conifer forests, southern Rocky Mountains, USA. <i>International Journal of Wildland Fire</i> , 2008, 17, 96.	2.4	58
10	Alpine bogs of southern Spain show human-induced environmental change superimposed on long-term natural variations. <i>Scientific Reports</i> , 2017, 7, 7439.	3.3	57
11	A postglacial palaeoecological record from the San Juan Mountains of Colorado USA: fire, climate and vegetation history. <i>Holocene</i> , 2006, 16, 505-517.	1.7	54
12	Widespread occurrence of distinct alkenones from Group I haptophytes in freshwater lakes: Implications for paleotemperature and paleoenvironmental reconstructions. <i>Earth and Planetary Science Letters</i> , 2018, 492, 239-250.	4.4	53
13	Culturing of the first 37:4 predominant lacustrine haptophyte: Geochemical, biochemical, and genetic implications. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 78, 51-64.	3.9	49
14	Holocene development of Boreal forests and fire regimes on the Kenai Lowlands of Alaska. <i>Holocene</i> , 2006, 16, 791-803.	1.7	47
15	Centennial-scale vegetation and North Atlantic Oscillation changes during the Late Holocene in the southern Iberia. <i>Quaternary Science Reviews</i> , 2016, 143, 84-95.	3.0	47
16	Millennial-scale cyclical environment and climate variability during the Holocene in the western Mediterranean region deduced from a new multi-proxy analysis from the Padul record (Sierra Nevada), Tj ETQq0 0 Org BT /Overd 10 Tt		
17	Development of the mixed conifer forest in northern New Mexico and its relationship to Holocene environmental change. <i>Quaternary Research</i> , 2008, 69, 263-275.	1.7	38
18	Production and temperature sensitivity of long chain alkenones in the cultured haptophyte <i>Pseudoisochrysis paradoxa</i> . <i>Organic Geochemistry</i> , 2013, 62, 68-73.	1.8	37

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19	Orbital-scale environmental and climatic changes recorded in a new \sim 200,000-year-long multiproxy sedimentary record from Padul, southern Iberian Peninsula. <i>Quaternary Science Reviews</i> , 2018, 198, 91-114.	3.0	35
20	Novel alkenone-producing strains of genus <i>Isochrysis</i> (Haptophyta) isolated from Canadian saline lakes show temperature sensitivity of alkenones and alkenoates. <i>Organic Geochemistry</i> , 2018, 121, 89-103.	1.8	31
21	New insights into Holocene hydrology and temperature from lipid biomarkers in western Mediterranean alpine wetlands. <i>Quaternary Science Reviews</i> , 2020, 240, 106395.	3.0	28
22	Chronological control and centennial-scale climatic subdivisions of the Last Glacial Termination in the western Mediterranean region. <i>Quaternary Science Reviews</i> , 2021, 255, 106814.	3.0	25
23	Indian Summer Monsoon variations and competing influences between hemispheres since \sim 35 ka recorded in Tengchongqinghai Lake, southwestern China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 516, 113-125.	2.3	24
24	Alkenones are common in prairie lakes of interior Canada. <i>Organic Geochemistry</i> , 2011, 42, 707-712.	1.8	22
25	Revealing invisible brews: A new approach to the chemical identification of ancient beer. <i>Journal of Archaeological Science</i> , 2018, 100, 176-190.	2.4	22
26	Assessing environmental controls on the distribution of long-chain alkenones in the Canadian Prairies. <i>Organic Geochemistry</i> , 2018, 117, 43-55.	1.8	19
27	A palaeoecological approach to understanding the past and present of Sierra Nevada, a Southwestern European biodiversity hotspot. <i>Global and Planetary Change</i> , 2019, 175, 238-250.	3.5	19
28	Paleohydrological dynamics in the Western Mediterranean during the last glacial cycle. <i>Global and Planetary Change</i> , 2021, 202, 103527.	3.5	19
29	Ecosystem Responses to Climate-Related Changes in a Mediterranean Alpine Environment Over the Last \sim 180 Years. <i>Ecosystems</i> , 2019, 22, 563-577.	3.4	16
30	Holocene geochemical footprint from Semi-arid alpine wetlands in southern Spain. <i>Scientific Data</i> , 2018, 5, 180024.	5.3	14
31	Next-Generation Sequencing to Identify Lacustrine Haptophytes in the Canadian Prairies: Significance for Temperature Proxy Applications. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 2144-2158.	3.0	14
32	Successional blooms of alkenone-producing haptophytes in Lake George, North Dakota: Implications for continental paleoclimate reconstructions. <i>Limnology and Oceanography</i> , 2020, 65, 413-425.	3.1	13
33	Sedimentologic and palynologic records of the last deglaciation and Holocene from Ballston Lake, New York. <i>Quaternary Research</i> , 2003, 60, 189-199.	1.7	12
34	Genomic identification of the long-chain alkenone producer in freshwater Lake Toyoni, Japan: implications for temperature reconstructions. <i>Organic Geochemistry</i> , 2018, 125, 189-195.	1.8	12
35	Algal lipids reveal unprecedented warming rates in alpine areas of SW Europe during the industrial period. <i>Climate of the Past</i> , 2020, 16, 245-263.	3.4	11
36	Paleoclimate reconstruction of the last 36 kyr based on branched glycerol dialkyl glycerol tetraethers in the Padul palaeolake record (Sierra Nevada, southern Iberian Peninsula). <i>Quaternary Science Reviews</i> , 2022, 281, 107434.	3.0	9

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37	Increased pCO ₂ changes the lipid production in important aquacultural feedstock algae <i>Isochrysis galbana</i> , but not in <i>Tetraselmis suecica</i> . <i>Aquaculture and Fisheries</i> , 2019, 4, 142-148.	2.2	8
38	Latest Holocene paleoenvironmental and paleoclimate reconstruction from an alpine bog in the Western Mediterranean region: The Borreguil de los Lavaderos de la Reina record (Sierra Nevada). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 573, 110434.	2.3	8
39	Assessing the strength of the monsoon during the late Pleistocene in southwestern United States. <i>Quaternary Science Reviews</i> , 2014, 103, 81-90.	3.0	6
40	How to Deal With Multi-Proxy Data for Paleoenvironmental Reconstructions: Applications to a Holocene Lake Sediment Record From the Tian Shan, Central Asia. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	6
41	Humidity variations spanning the "Little Ice Age"™ from an upland lake in southwestern China. <i>Holocene</i> , 2020, 30, 289-299.	1.7	4
42	Enhanced Terrestrial Carbon Export From East Antarctica During the Early Eocene. <i>Paleoceanography and Paleoclimatology</i> , 2022, 37, .	2.9	3
43	Paleosecular Variations During the Last Glacial Period From Tengchong Qinghai Lake, Yunnan Province, China. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	2