

Simon C Brewer

List of Publications by Year in descending order

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Version: 2024-02-01

107
papers

10,790
citations

53660

45
h-index

32761

100
g-index

115
all docs

115
docs citations

115
times ranked

13818
citing authors

#	ARTICLE	IF	CITATIONS
1	Glacial Refugia: Hotspots But Not Melting Pots of Genetic Diversity. <i>Science</i> , 2003, 300, 1563-1565.	6.0	1,569
2	Large wildfire trends in the western United States, 1984–2011. <i>Geophysical Research Letters</i> , 2014, 41, 2928-2933.	1.5	940
3	The temperature of Europe during the Holocene reconstructed from pollen data. <i>Quaternary Science Reviews</i> , 2003, 22, 1701-1716.	1.4	850
4	Identification of refugia and post-glacial colonisation routes of European white oaks based on chloroplast DNA and fossil pollen evidence. <i>Forest Ecology and Management</i> , 2002, 156, 49-74.	1.4	577
5	Global climate evolution during the last deglaciation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E1134-42.	3.3	422
6	The spread of deciduous <i>Quercus</i> throughout Europe since the last glacial period. <i>Forest Ecology and Management</i> , 2002, 156, 27-48.	1.4	308
7	Past and future global transformation of terrestrial ecosystems under climate change. <i>Science</i> , 2018, 361, 920-923.	6.0	307
8	Climate-related changes in peatland carbon accumulation during the last millennium. <i>Biogeosciences</i> , 2013, 10, 929-944.	1.3	257
9	Reconciling divergent trends and millennial variations in Holocene temperatures. <i>Nature</i> , 2018, 554, 92-96.	13.7	251
10	Climatic changes in Eurasia and Africa at the last glacial maximum and mid-Holocene: reconstruction from pollen data using inverse vegetation modelling. <i>Climate Dynamics</i> , 2007, 29, 211-229.	1.7	233
11	Murine Gut Microbiota Is Defined by Host Genetics and Modulates Variation of Metabolic Traits. <i>PLoS ONE</i> , 2012, 7, e39191.	1.1	198
12	A late Pleistocene long pollen record from Lake Urmia, Nw Iran. <i>Quaternary Research</i> , 2008, 69, 413-420.	1.0	197
13	Latitudinal limits to the predicted increase of the peatland carbon sink with warming. <i>Nature Climate Change</i> , 2018, 8, 907-913.	8.1	188
14	Climate model benchmarking with glacial and mid-Holocene climates. <i>Climate Dynamics</i> , 2014, 43, 671-688.	1.7	172
15	Orbital forcing and role of the latitudinal insolation/temperature gradient. <i>Climate Dynamics</i> , 2009, 32, 143-165.	1.7	144
16	Reconstructions of biomass burning from sediment-charcoal records to improve data–model comparisons. <i>Biogeosciences</i> , 2016, 13, 3225-3244.	1.3	142
17	Last Glacial Maximum climate of the former Soviet Union and Mongolia reconstructed from pollen and plant macrofossil data. <i>Climate Dynamics</i> , 1999, 15, 227-240.	1.7	140
18	Pollen-inferred Late-Glacial and Holocene climate in southern Balkans (Lake Maliq). <i>Quaternary International</i> , 2009, 200, 19-30.	0.7	136

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19	Patterns and dynamics of European vegetation change over the last 15,000 years. <i>Journal of Biogeography</i> , 2017, 44, 1441-1456.	1.4	134
20	Mediterranean drought fluctuation during the last 500 years based on tree-ring data. <i>Climate Dynamics</i> , 2008, 31, 227-245.	1.7	131
21	The climate in Europe during the Eemian: a multi-method approach using pollen data. <i>Quaternary Science Reviews</i> , 2008, 27, 2303-2315.	1.4	126
22	Climatic determinism in phytogeographic regionalization: A test from the Irano-Turanian region, SW and Central Asia. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2012, 207, 237-249.	0.6	113
23	paleofire: An R package to analyse sedimentary charcoal records from the Global Charcoal Database to reconstruct past biomass burning. <i>Computers and Geosciences</i> , 2014, 72, 255-261.	2.0	113
24	Late-Glacial climatic changes in Eastern France (Lake Lautrey) from pollen, lake-levels, and chironomids. <i>Quaternary Research</i> , 2005, 64, 197-211.	1.0	112
25	The European Pollen Database: past efforts and current activities. <i>Vegetation History and Archaeobotany</i> , 2009, 18, 417-424.	1.0	106
26	Towards mapping the late Quaternary vegetation change of Europe. <i>Vegetation History and Archaeobotany</i> , 2014, 23, 75-86.	1.0	105
27	The European Modern Pollen Database (EMPD) project. <i>Vegetation History and Archaeobotany</i> , 2013, 22, 521-530.	1.0	101
28	Paleoecoinformatics: applying geohistorical data to ecological questions. <i>Trends in Ecology and Evolution</i> , 2012, 27, 104-112.	4.2	96
29	Ecological implications of <i>Cousinia</i> Cass. (Asteraceae) persistence through the last two glacial-interglacial cycles in the continental Middle East for the Irano-Turanian flora. <i>Review of Palaeobotany and Palynology</i> , 2012, 172, 10-20.	0.8	92
30	Phenotypic clusters within sepsis-associated multiple organ dysfunction syndrome. <i>Intensive Care Medicine</i> , 2015, 41, 814-822.	3.9	92
31	A method to determine warm and cool steppe biomes from pollen data; application to the Mediterranean and Kazakhstan regions. , 1998, 13, 335-344.		90
32	Quantitative reconstruction of the last interglacial vegetation and climate based on the pollen record from Lake Baikal, Russia. <i>Climate Dynamics</i> , 2005, 25, 625-637.	1.7	88
33	Dominant factors controlling glacial and interglacial variations in the treeline elevation in tropical Africa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 9720-9724.	3.3	69
34	Eastern boreal North American wildfire risk of the past 7000 years: A model-data comparison. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	66
35	European Forest Cover During the Past 12,000 Years: A Palynological Reconstruction Based on Modern Analogs and Remote Sensing. <i>Frontiers in Plant Science</i> , 2018, 9, 253.	1.7	65
36	Chloroplast DNA variation of white oaks in northern Balkans and in the Carpathian Basin. <i>Forest Ecology and Management</i> , 2002, 156, 197-209.	1.4	60

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37	Developing an Integrated History and future of People on Earth (IHOPE). <i>Current Opinion in Environmental Sustainability</i> , 2012, 4, 106-114.	3.1	59
38	Impact of Earth's orbit and freshwater fluxes on Holocene climate mean seasonal cycle and ENSO characteristics. <i>Climate Dynamics</i> , 2012, 38, 1081-1092.	1.7	59
39	Toward an Integrated History to Guide the Future. <i>Ecology and Society</i> , 2011, 16, .	1.0	58
40	Climate or migration: what limited European beech post-glacial colonization?. <i>Global Ecology and Biogeography</i> , 2013, 22, 1217-1227.	2.7	56
41	Tap water isotope ratios reflect urban water system structure and dynamics across a semiarid metropolitan area. <i>Water Resources Research</i> , 2016, 52, 5891-5910.	1.7	56
42	Pollen-inferred palaeoclimate reconstructions in mountain areas: problems and perspectives. <i>Journal of Quaternary Science</i> , 2006, 21, 615-627.	1.1	55
43	Moisture and temperature changes associated with the mid-Holocene <i>Tsuga</i> decline in the northeastern United States. <i>Quaternary Science Reviews</i> , 2013, 80, 129-142.	1.4	52
44	Late-glacial and Holocene European pollen data. <i>Journal of Maps</i> , 2017, 13, 921-928.	1.0	52
45	Postglacial change of the floristic diversity gradient in Europe. <i>Nature Communications</i> , 2019, 10, 5422.	5.8	52
46	The Earth as an extrasolar planet: the vegetation spectral signature today and during the last Quaternary climatic extrema. <i>International Journal of Astrobiology</i> , 2009, 8, 81-94.	0.9	48
47	Comment on "A Semi-Empirical Approach to Projecting Future Sea-Level Rise". <i>Science</i> , 2007, 317, 1866-1866.	6.0	45
48	Lateglacial climate development in NW Romania – Comparative results from three quantitative pollen-based methods. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008, 265, 121-133.	1.0	45
49	Fire history reconstruction in grassland ecosystems: amount of charcoal reflects local area burned. <i>Environmental Research Letters</i> , 2015, 10, 114009.	2.2	43
50	Holocene vegetation history in Romanian Subcarpathians. <i>Quaternary Research</i> , 2009, 72, 164-173.	1.0	41
51	Late Quaternary variations in tree cover at the northern forest-tundra ecotone. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	41
52	Decomposing the mid-Holocene <i>Tsuga</i> decline in eastern North America. <i>Ecology</i> , 2012, 93, 1841-1852.	1.5	40
53	Modern pollen-based biome reconstructions in East Africa expanded to southern Tanzania. <i>Review of Palaeobotany and Palynology</i> , 2006, 140, 187-212.	0.8	39
54	A method for climate and vegetation reconstruction through the inversion of a dynamic vegetation model. <i>Climate Dynamics</i> , 2010, 35, 371-389.	1.7	39

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55	Preserving long-term fluctuations in standardisation of tree-ring series by the adaptative regional growth curve (ARGC). <i>Dendrochronologia</i> , 2010, 28, 1-12.	1.0	39
56	Large historical carbon emissions from cultivated northern peatlands. <i>Science Advances</i> , 2021, 7, .	4.7	37
57	Qualitative assessment of PMIP3 rainfall simulations across the eastern African monsoon domains during the mid-Holocene and the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2017, 156, 107-120.	1.4	36
58	Spectroscopic analysis of seasonal changes in live fuel moisture content and leaf dry mass. <i>Remote Sensing of Environment</i> , 2014, 150, 198-206.	4.6	35
59	Scaled biomass estimation in woodland ecosystems: Testing the individual and combined capacities of satellite multispectral and lidar data. <i>Remote Sensing of Environment</i> , 2021, 262, 112511.	4.6	33
60	Emergence patterns of novelty in European vegetation assemblages over the past 15,000 years. <i>Ecology Letters</i> , 2017, 20, 336-346.	3.0	32
61	Exploring the relationship between ride-sourcing services and vehicle ownership, using both inferential and machine learning approaches. <i>Landscape and Urban Planning</i> , 2020, 198, 103797.	3.4	32
62	Solar and anthropogenic imprints on Lake Masoko (southern Tanzania) during the last 500 years. <i>Journal of Paleolimnology</i> , 2007, 37, 475-490.	0.8	31
63	Advancing predictive modeling in archaeology: An evaluation of regression and machine learning methods on the Grand Staircase-Escalante National Monument. <i>PLoS ONE</i> , 2020, 15, e0239424.	1.1	31
64	Amplified plant turnover in response to climate change forecast by Late Quaternary records. <i>Nature Climate Change</i> , 2016, 6, 1115-1119.	8.1	30
65	Active Transportation on a Complete Street: Perceived and Audited Walkability Correlates. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1014.	1.2	28
66	First evidence of Eemian sediments on the high plateau of Evian (Northern Alps, France): implications for the chronology of the Last Glaciation. <i>Quaternary Science Reviews</i> , 2005, 24, 35-47.	1.4	27
67	Exploring the safety in numbers effect for vulnerable road users on a macroscopic scale. <i>Accident Analysis and Prevention</i> , 2017, 109, 36-46.	3.0	26
68	Notes on the postglacial spread of abundant European tree taxa. <i>Vegetation History and Archaeobotany</i> , 2018, 27, 337-349.	1.0	26
69	Community-level functional interactions with fire track long-term structural development and fire adaptation. <i>Journal of Vegetation Science</i> , 2018, 29, 450-458.	1.1	24
70	Last Glacial Maximum dune activity in the Kalahari Desert of southern Africa: observations and simulations. <i>Quaternary Science Reviews</i> , 2009, 28, 301-307.	1.4	23
71	Modeling Climate-Fire Connections within the Great Basin and Upper Colorado River Basin, Western United States. <i>Fire Ecology</i> , 2014, 10, 64-75.	1.1	22
72	Geographies of Organized Hate in America: A Regional Analysis. <i>Annals of the American Association of Geographers</i> , 2018, 108, 1006-1021.	1.5	21

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73	A probabilistic approach to the use of pollen indicators for plant attributes and biomes: an application to European vegetation at 0 and 6 Åka. <i>Global Ecology and Biogeography</i> , 2003, 12, 103-118.	2.7	19
74	A multiproxy record of late Holocene natural and anthropogenic environmental change from the Sphagnum peat bog DÄ¼rres Maar, Germany: implications for quantitative climate reconstructions based on pollen. <i>Journal of Quaternary Science</i> , 2010, 25, 675-688.	1.1	19
75	A unified approach to orbital, solar, and lunar forcing based on the Earthâ€™s latitudinal insolation/temperature gradient. <i>Quaternary Science Reviews</i> , 2011, 30, 1861-1874.	1.4	18
76	Temporal density of pollen sampling affects age determination of the mid-Holocene hemlock (<i>Tsuga</i>) decline. <i>Quaternary Science Reviews</i> , 2012, 45, 54-59.	1.4	18
77	Isotopic reconnaissance of urban water supply system dynamics. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 6109-6125.	1.9	18
78	Housing inequalities: Eviction patterns in Salt Lake County, Utah. <i>Cities</i> , 2020, 104, 102804.	2.7	18
79	Climate variability and fire effects on quaking aspen in the central Rocky Mountains, <scp>USA</scp>. <i>Journal of Biogeography</i> , 2017, 44, 1280-1293.	1.4	17
80	Legacies of Indigenous land use shaped past wildfire regimes in the Basin-Plateau Region, USA. <i>Communications Earth & Environment</i> , 2021, 2, .	2.6	17
81	Using High-Resolution Reanalysis Data to Explore Localized Western North America Hydroclimate Relationships with ENSO. <i>Journal of Climate</i> , 2017, 30, 5395-5417.	1.2	16
82	Differing climatic mechanisms control transient and accumulated vegetation novelty in Europe and eastern North America. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20190218.	1.8	16
83	Transit to parks: An environmental justice study of transit access to large parks in the U.S. West. <i>Urban Forestry and Urban Greening</i> , 2021, 60, 127055.	2.3	16
84	Stable or seral? Fire-driven alternative states in aspen forests of western North America. <i>Biology Letters</i> , 2019, 15, 20190011.	1.0	15
85	A strong mitigation scenario maintains climate neutrality of northern peatlands. <i>One Earth</i> , 2022, 5, 86-97.	3.6	14
86	Impacts of land surface properties and atmospheric CO<sub>2</sub> on the Last Glacial Maximum climate: a factor separation analysis. <i>Climate of the Past</i> , 2009, 5, 183-202.	1.3	13
87	Route, speed and mode of oak postglacial colonisation across the British Isles: Integrating molecular ecology, palaeoecology and modelling approaches. <i>Botanical Journal of Scotland</i> , 2005, 57, 59-81.	0.3	12
88	Causes and consequences of the late Holocene extinction of the marine flightless duck (<i>Chendytes</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.4	12
89	Postglacial history of Atlantic oakwoods: Context, dynamics and controlling factors. <i>Botanical Journal of Scotland</i> , 2005, 57, 41-57.	0.3	11
90	Climate and demography drive 7000Âyears of dietary change in the Central Andes. <i>Scientific Reports</i> , 2022, 12, 2026.	1.6	11

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91	Last interglacial vegetation and climate history from the Portuguese coast. <i>Journal of Quaternary Science</i> , 2015, 30, 59-69.	1.1	9
92	Is Clustering Time-Series Water Depth Useful? An Exploratory Study for Flooding Detection in Urban Drainage Systems. <i>Water (Switzerland)</i> , 2020, 12, 2433.	1.2	9
93	Decomposing Habitat Suitability Across the Forager to Farmer Transition. <i>Environmental Archaeology</i> , 2020, , 1-14.	0.6	8
94	Modeling Wildland Firefighter Travel Rates by Terrain Slope: Results from GPS-Tracking of Type 1 Crew Movement. <i>Fire</i> , 2020, 3, 52.	1.2	7
95	Socioecological Dynamics Structuring the Spread of Farming in the North American Basin-Plateau Region. <i>Environmental Archaeology</i> , 2022, 27, 434-446.	0.6	6
96	Spatial Relationship Between Eviction Filings, Neighborhood Characteristics, and Proximity to the Central Business District: A Case Study of Salt Lake County, Utah. <i>Housing Policy Debate</i> , 2021, 31, 601-626.	1.6	6
97	Holocene deforestation: a history of human“environmental interactions, climate change, and extinction. , 2009, , 213-234.		6
98	Statistical Modeling to Predict Climate Change Effects on Watershed Scale Evapotranspiration. <i>Atmosphere</i> , 2021, 12, 1565.	1.0	4
99	Applications of Generalized Additive and Bayesian Hierarchical Models for Areal Safety Analysis: Case Study of an Urban Multimodal Transportation System in Chicago, Illinois. <i>Transportation Research Record</i> , 2016, 2601, 99-109.	1.0	3
100	Pedestrians and the Built Environment during the COVID-19 Pandemic: Changing Relationships by the Pandemic Phases in Salt Lake County, Utah, U.S.A.. <i>Transportation Research Record</i> , 2023, 2677, 448-462.	1.0	3
101	A Geographical Analysis of Socioeconomic and Ideological Drivers of Hate Crime in the United States. <i>International Journal of Applied Geospatial Research</i> , 2021, 12, 39-56.	0.2	2
102	How sampling affects estimates of demographic parameters. <i>Journal of Vegetation Science</i> , 2012, 23, 1170-1179.	1.1	1
103	Introducing a Dataset of Multi-Scale Geographies of ISIS Ideology from ISIS Sources. <i>Terrorism and Political Violence</i> , 2022, 34, 817-834.	1.3	1
104	Analyzing Change in Business Activity before, during, and after Autonomous Shuttle Bus Service in the Old Las Vegas Downtown Area. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2022, 148, .	0.8	1
105	Statistical Modeling of the PM2.5-Albedo-Streamflow Relationship in Parley“s Creek, Utah, Using MODIS Albedo Data. , 2015, , .		0
106	Evidence for Transgenerational Effects on Autism Spectrum Disorder Using Multigenerational Space-time Cluster Detection. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
107	Perceived Recovery Trajectories in Post-Earthquake Nepal “ A Visual Exploration With Self Organizing Maps. <i>IEEE Open Journal of the Computer Society</i> , 2022, 3, 111-121.	5.2	0