John R Dodson

List of Publications by Year
in descending order

101 papers	3,773 citations	117625 34 h-index	144013 57 g-index
104 all docs	104 docs citations	104 times ranked	3958 citing authors

#	Article	IF	Citations
1	Past and future global transformation of terrestrial ecosystems under climate change. Science, 2018, 361, 920-923.	12.6	307
2	New insights into the origin of perylene in geological samples. Geochimica Et Cosmochimica Acta, 2009, 73, 6531-6543.	3.9	187
3	Evolution of late pleistocene and holocene climates in the circum-south pacific land areas. Climate Dynamics, 1992, 6, 193-211.	3.8	184
4	Origin and spread of wheat in China. Quaternary Science Reviews, 2013, 72, 108-111.	3.0	170
5	Moisture dynamics in central Asia for the last 15Âkyr: new evidence from Yili Valley, Xinjiang, NW China. Quaternary Science Reviews, 2011, 30, 3457-3466.	3.0	139
6	Towards global sustainability: Education on environmentally clean energy technologies. Renewable and Sustainable Energy Reviews, 2018, 81, 2541-2551.	16.4	131
7	The Holocene vegetation cover of Britain and Ireland: overcoming problems of scale and discerning patterns of openness. Quaternary Science Reviews, 2013, 73, 132-148.	3.0	118
8	The origins of wheat in China and potential pathways for its introduction: A review. Quaternary International, 2014, 348, 158-168.	1.5	116
9	Holocene changes in vegetation composition in northern Europe: why quantitative pollen-based vegetation reconstructions matter. Quaternary Science Reviews, 2014, 90, 199-216.	3.0	112
10	Quantifying the effects of land use and climate on Holocene vegetation in Europe. Quaternary Science Reviews, 2017, 171, 20-37.	3.0	97
11	Increases of population and expansion of rice agriculture in Asia, and anthropogenic methane emissions since 5000BP. Quaternary International, 2009, 202, 41-50.	1.5	96
12	Holocene agriculture in the Guanzhong Basin in NW China indicated by pollen and charcoal evidence. Holocene, 2009, 19, 1213-1220.	1.7	87
13	Rapid agricultural transformation in the prehistoric Hexi corridor, China. Quaternary International, 2016, 426, 33-41.	1.5	79
14	Late Quaternary Palaeoecology of Wyrie Swamp, Southeastern South Australia. Quaternary Research, 1977, 8, 97-114.	1.7	75
15	Towards sustainable energy. Generation of hydrogen fuel using nuclear energy. International Journal of Hydrogen Energy, 2016, 41, 12812-12825.	7.1	75
16	Quantitative precipitation estimates for the northeastern Qinghaiâ€Tibetan Plateau over the last 18,000Âyears. Journal of Geophysical Research D: Atmospheres, 2017, 122, 5132-5143.	3.3	63
17	Neolithic agriculture, freshwater resources and rapid environmental changes on the lower Yangtze, China. Quaternary Research, 2011, 75, 55-65.	1.7	62
18	Quantitative Holocene climatic reconstructions for the lower Yangtze region of China. Climate Dynamics, 2018, 50, 1101-1113.	3.8	60

#	Article	IF	Citations
19	Prehistoric trans-continental cultural exchange in the Hexi Corridor, northwest China. Holocene, 2018, 28, 621-628.	1.7	60
20	Subsistence and the isotopic signature of herding in the Bronze Age Hexi Corridor, NW Gansu, China. Journal of Archaeological Science, 2011, 38, 1747-1753.	2.4	55
21	Quantifying climatic variability in monsoonal northern China over the last 2200 years and its role in driving Chinese dynastic changes. Quaternary Science Reviews, 2017, 159, 35-46.	3.0	55
22	Oldest Directly Dated Remains of Sheep in China. Scientific Reports, 2014, 4, 7170.	3.3	49
23	Humans and megafauna in a late Pleistocene environment from Cuddie Springs, north western New South Wales. Archaeology in Oceania, 1993, 28, 94-99.	0.7	48
24	Early bronze in two Holocene archaeological sites in Gansu, NW China. Quaternary Research, 2009, 72, 309-314.	1.7	48
25	Wild and domesticated forms of rice (Oryza sp.) in early agriculture at Qingpu, lower Yangtze, China: evidence from phytoliths. Journal of Archaeological Science, 2007, 34, 2101-2108.	2.4	47
26	Human activity and its impact on the landscape at the Xishanping site in the western Loess Plateau during 4800â€“4300 cal yr BP based on the fossil charcoal record. Journal of Archaeological Science, 2012, 39, 3141-3147.	2.4	47
27	Environmental and cultural changes during the terminal Neolithic: Qingpu, Yangtze delta, eastern China. Holocene, 2007, 17, 875-887.	1.7	43
28	Use of coal in the Bronze Age in China. Holocene, 2014, 24, 525-530.	1.7	40
29	Glacial and Holocene terrestrial temperature variability in subtropical east Australia as inferred from branched GDGT distributions in a sediment core from Lake McKenzie. Quaternary Research, 2014, 82, 132-145.	1.7	40
30	Pollen, biomarker and stable isotope evidence of late Quaternary environmental change at Lake McKenzie, southeast Queensland. Journal of Paleolimnology, 2015, 53, 139-156.	1.6	40
31	Dietary responses of Sahul (Pleistocene Australiaâ€“New Guinea) megafauna to climate and environmental change. Paleobiology, 2017, 43, 181-195.	2.0	40
32	Extreme weather events recorded by daily to hourly resolution biogeochemical proxies of marine giant clam shells. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7038-7043.	7.1	40
33	Early Neolithic diets at Baijia, Wei River valley, China: stable carbon and nitrogen isotope analysis of human and faunal remains. Journal of Archaeological Science, 2011, 38, 2811-2817.	2.4	39
34	Impact of agriculture on an oasis landscape during the late Holocene: Palynological evidence from the Xintala site in Xinjiang, NW China. Quaternary International, 2013, 311, 81-86.	1.5	38
35	Temporal trends in millet consumption in northern China. Journal of Archaeological Science, 2014, 50, 171-177.	2.4	38
36	The 9.2Âka event in Asian summer monsoon area: the strongest millennial scale collapse of the monsoon during the Holocene. Climate Dynamics, 2018, 50, 2767-2782.	3.8	37

#	Article	IF	Citations
37	A sediment-based record of Lateglacial and Holocene environmental changes from Guangfulin, Yangtze delta, eastern China. Holocene, 2007, 17, 1221-1231.	1.7	35
38	Early agricultural development and environmental effects in the Neolithic Longdong basin (eastern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.7	35
39	Land degradation during the Bronze Age in Hexi Corridor (Gansu, China). Quaternary International, 2012, 254, 42-48.	1.5	34
40	Stick-Nest Rat Middens as Sources of Paleoecological Data in Australian Deserts. Quaternary Research, 1993, 39, 347-354.	1.7	33
41	The impact of early smelting on the environment of Huoshiliang in Hexi Corridor, NW China, as recorded by fossil charcoal and chemical elements. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 305, 329-336.	2.3	33
42	Copper content in anthropogenic sediments as a tracer for detecting smelting activities and its impact on environment during prehistoric period in Hexi Corridor, Northwest China. Holocene, 2017, 27, 282-291.	1.7	33
43	Peatland development and climate changes in the Dajiuhu basin, central China, over the last 14,100 years. Quaternary International, 2016, 425, 273-281.	1.5	29
44	Rapid warming has resulted in more wildfires in northeastern Australia. Science of the Total Environment, 2021, 771, 144888.	8.0	29
45	A history of vegetation and fire, 6,600 B.P. to present, County Sligo, western Ireland. Boreas, 1987, 16, 113-123.	2.4	27
46	A reassessment of the early archaeological record at Leang Burung 2, a Late Pleistocene rock-shelter site on the Indonesian island of Sulawesi. PLoS ONE, 2018, 13, e0193025.	2.5	27
47	Climatic variations over the last 4000calyr BP in the western margin of the Tarim Basin, Xinjiang, reconstructed from pollen data. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 321-322, 16-23.	2.3	26
48	Palaeoenvironmental evidence for human settlement of New Caledonia. Archaeology in Oceania, 1995, 30, 36-41.	0.7	25
49	Zonal vegetation change in the Chinese Loess Plateau since MIS 3. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 404, 89-96.	2.3	24
50	Earlyâ€“middle Holocene ecological change and its influence on human subsistence strategies in the Luoyang Basin, north-central China. Quaternary Research, 2018, 89, 446-458.	1.7	24
51	Holocene negative coupling of summer temperature and moisture availability over southeastern arid Central Asia. Climate Dynamics, 2020, 55, 1187-1208.	3.8	23
52	Climate instability during the last deglaciation in central Asia, reconstructed by pollen data from Yili Valley, NW China. Review of Palaeobotany and Palynology, 2013, 189, 8-17.	1.5	20
53	Vegetation characteristics in the western Loess plateau between 5200 and 4300Âcal. b.p. based on fossil charcoal records. Vegetation History and Archaeobotany, 2013, 22, 61-70.	2.1	18
54	Modern pollen assemblages in topsoil and surface sediments of the Xingyun Lake catchment, central Yunnan Plateau, China, and their implications for interpretation of the fossil pollen record. Review of Palaeobotany and Palynology, 2017, 241, 1-12.	1.5	18

#	Article	IF	Citations
55	Evolution of prehistoric dryland agriculture in the arid and semi-arid transition zone in northern China. PLoS ONE, 2018, 13, e0198750.	2.5	18
56	Plant diversity of the Tianshui Basin in the western Loess Plateau during the mid-Holocene â€“ Charcoal records from archaeological sites. Quaternary International, 2013, 308-309, 27-35.	1.5	17
57	Increasing the understanding and use of natural archives of ecosystem services, resilience and thresholds to improve policy, science and practice. Holocene, 2015, 25, 366-378.	1.7	17
58	Pollen preservation and its potential influence on paleoenvironmental reconstruction in Chinese loess deposits. Review of Palaeobotany and Palynology, 2017, 240, 1-10.	1.5	16
59	Mid to late Holocene environmental change and human impact: A view from Central China. Quaternary Science Reviews, 2019, 223, 105953.	3.0	15
60	A Late Pleistocene and Holocene vegetation and environmental record from Shuangchi Maar, Hainan Province, South China. Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 523, 89-96.	2.3	15
61	Comparing interglacials in eastern Australia: A multi-proxy investigation of a new sedimentary record. Quaternary Science Reviews, 2021, 252, 106750.	3.0	14
62	Hydrological changes in Shuangchi Lake, Hainan Island, tropical China, during the Little Ice Age. Quaternary International, 2018, 487, 54-60.	1.5	13
63	Vegetation and climate evolution during the Last Glaciation at Tengchong in Yunnan Province, Southwest China. Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 514, 441-452.	2.3	13
64	Abrupt environmental changes during the last 30 kyr in the southern margin of the Taklimakan Desert, a record from an oasis. Quaternary Science Reviews, 2018, 201, 29-43.	3.0	12
65	Regionalâ€Scale Precipitation Anomalies in Northern China During the Holocene and Possible Impact on Prehistoric Demographic Changes. Geophysical Research Letters, 2018, 45, 12,477.	4.0	12
66	Climate change and tectonic activity during the early Pliocene Warm Period from the ostracod record at Lake Qinghai, northeastern Tibetan Plateau. Journal of Asian Earth Sciences, 2017, 138, 466-476.	2.3	11
67	Increased winter-spring precipitation from the last glaciation to the Holocene inferred from a Î´13Corg record from Yili Basin (Xinjiang, NW China). Science China Earth Sciences, 2019, 62, 1125-1137.	5.2	11
68	Reconstruction of Kuroshio intrusion into the South China Sea over the last 40 kyr. Quaternary Science Reviews, 2022, 290, 107622.	3.0	11
69	Temperature seasonality and ENSO variability in the northern South China Sea during the Medieval Climate Anomaly interval derived from the Sr/Ca ratios of Tridacna shell. Journal of Asian Earth Sciences, 2019, 180, 103880.	2.3	10
70	What do we know about domestication in eastern Asia?. Quaternary International, 2016, 426, 2-9.	1.5	9
71	A carved ivory cylinder from Akchakhan-kala, Uzbekistan: Problems of dating and provenance. Journal of Archaeological Science: Reports, 2016, 5, 190-196.	0.5	8
72	The quantitative reconstruction of temperature and precipitation in the Guanzhong Basin of the southern Loess Plateau between 6200 BP and 5600 BP. Holocene, 2016, 26, 1200-1207.	1.7	8

#	Article	IF	Citations
73	The first detection of the Madden-Julian Oscillation signal in daily to hourly resolution proxy records derived from a natural archive of Giant Clam Shell (Tridacna spp.). Earth and Planetary Science Letters, 2021, 555, 116703.	4.4	8
74	Evidence of Low-Dimensional Surface Structures for Oxide Materials: Impact on Energy Conversion. ACS Applied Energy Materials, 2018, 1, 6469-6476.	5.1	7
75	Sea surface temperature seasonality in the northern South China Sea during the middle Holocene derived from high resolution Sr/Ca ratios of Tridacna shells. Quaternary Research, 2022, 105, 37-48.	1.7	7
76	Evolution and History of Mediterranean Vegetation Types in Australia. Ecological Studies, 1995, , 21-40.	1.2	7
77	Water management and wheat yields in ancient China: Carbon isotope discrimination of archaeological wheat grains. Holocene, 2021, 31, 285-293.	1.7	6
78	Drought. Encyclopedia of Earth Sciences Series, 2013, , 189-197.	0.1	6
79	Scientific drilling workshop on the Weihe Basin Drilling Project (WBDP): Cenozoic tectonicâ€“monsoon interactions. Scientific Drilling, 0, 28, 63-73.	0.6	6
80	What does the occurrence of Sporormiella (Preussia) spores mean in Australian fossil sequences?. Journal of Quaternary Science, 2018, 33, 380-392.	2.1	5
81	The impacts of volcanic eruptions and climate changes on the development of Hani peatland in northeastern China during the Holocene. Journal of Asian Earth Sciences, 2021, 210, 104691.	2.3	5
82	Hydrological Changes Related to ENSOâ€Like States During the Last Deglaciation in Central Eastern China. Paleoceanography and Paleoclimatology, 2021, 36, e2021PA004279.	2.9	5
83	Wrack line signatures of high-magnitude water-level events on the northwest Australian coast. Marine Geology, 2014, 355, 310-317.	2.1	4
84	Soil organic carbon fractions and 14C ages through 70 years of cropland cultivation. Soil and Tillage Research, 2019, 195, 104415.	5.6	4
85	A late Miocene ostracod record from the northeastern Tibetan Plateau. Journal of Paleolimnology, 2019, 61, 297-312.	1.6	3
86	The great arc of human dispersal. Quaternary International, 2009, 202, 1.	1.5	2
87	Climate Change Through Time. , 2012, , 51-62.		2
88	Dynamic of Tridacna spp. population variability in northern SCS over past 4500Âyears derived from AMS 14C dating. Science of the Total Environment, 2020, 748, 141359.	8.0	2
89	Megadrought and cultural exchange along the proto-silk road, in the context of debate over human-environment interactions. Science Bulletin, 2021, 66, 524-526.	9.0	2
90	Nuclear science and the story of a preserved leaf from a copy of the Great Bible. Journal of Archaeological Science, 2013, 40, 1700-1702.	2.4	1

#	Article	IF	Citations
91	Setting the Scene: How Do We Get to a Fitting Future?. , 2010, , 1-4.		1
92	Climate Change, Societal Transitions and Changing Infectious Disease Burdens. , 2010, , 189-199.		1
93	Environmental change and the timing of the settlement of the Bronze Age Andronovo culture, in far northwest Xinjiang, China. Holocene, 0, , 095968362110499.	1.7	1
94	Oxygen isotope temperature calibrations for modern Tridacna shells in western Pacific. Coral Reefs, 2022, 41, 113.	2.2	1
95	PLANT GEOGRAPHY. New Zealand Geographer, 1977, 33, 47-47.	0.9	0
96	Reply to correspondence received from Cheng-Bang An, Ph.D.; Weimiao Dong; Hu Li; Yufeng Chen regarding â€œOrigin and spread of wheat in Chinaâ€•John R. Dodson, Xiaoqiang Li, Xinying Zhou, Keliang Zhao, Nan Sun, Pia Atahan (2013), Quaternary Science Reviews 72, 108â€“111. Quaternary Science Reviews, 2013, 81, 150.	3.0	0
97	Environmentally Clean Energy. , 2018, , .		0
98	Cranial metric, age and isotope analysis of human remains from Huoshiliang, western Gansu, China. , 2012, , .		0
99	CHAPTER 9. Radioactive Carbon in Environmental Science. RSC Detection Science, 2014, , 271-284.	0.0	0
100	Unravelling Farming and Metallurgy in Ancient China with Nuclear Science. , 2019, , 171-180.		0
101	Entilli, Joseph. , 2005, , 384-384.		0