

Jody M Webster

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83
papers

2,258
citations

27
h-index

45
g-index

85
ext. papers

2,722
ext. citations

4.8
avg, IF

5.08
L-index

#	Paper	IF	Citations
83	Ice sheet collapse following a prolonged period of stable sea level during the last interglacial. <i>Nature Geoscience</i> , 2013 , 6, 796-800	18.3	126
82	Coral reefs and sea-level change. <i>Marine Geology</i> , 2014 , 352, 248-267	3.3	111
81	Rapid glaciation and a two-step sea level plunge into the Last Glacial Maximum. <i>Nature</i> , 2018 , 559, 603-607	67.4	99
80	Mid-late Holocene sea-level variability in eastern Australia. <i>Terra Nova</i> , 2008 , 20, 74-81	3	97
79	Coral reef structural complexity provides important coastal protection from waves under rising sea levels. <i>Science Advances</i> , 2018 , 4, eaao4350	14.3	92
78	Coral variation in two deep drill cores: significance for the Pleistocene development of the Great Barrier Reef. <i>Sedimentary Geology</i> , 2003 , 159, 61-80	2.8	82
77	Palaeoenvironmental records from fossil corals: The effects of submarine diagenesis on temperature and climate estimates. <i>Geochimica Et Cosmochimica Acta</i> , 2007 , 71, 4693-4703	5.5	80
76	Drowning of the 150 m reef off Hawaii: A casualty of global meltwater pulse 1A?. <i>Geology</i> , 2004 , 32, 249	5	77
75	Reef response to sea-level and environmental changes during the last deglaciation: Integrated Ocean Drilling Program Expedition 310, Tahiti Sea Level. <i>Geology</i> , 2012 , 40, 643-646	5	75
74	Tropical tales of polar ice: evidence of Last Interglacial polar ice sheet retreat recorded by fossil reefs of the granitic Seychelles islands. <i>Quaternary Science Reviews</i> , 2015 , 107, 182-196	3.9	70
73	Submerged banks in the Great Barrier Reef, Australia, greatly increase available coral reef habitat. <i>ICES Journal of Marine Science</i> , 2013 , 70, 284-293	2.7	70
72	Geomorphology of submerged reefs on the shelf edge of the Great Barrier Reef: The influence of oscillating Pleistocene sea-levels. <i>Marine Geology</i> , 2011 , 288, 61-78	3.3	69
71	New evidence for drowned shelf edge reefs in the Great Barrier Reef, Australia. <i>Marine Geology</i> , 2008 , 247, 17-34	3.3	61
70	Response of the Great Barrier Reef to sea-level and environmental changes over the past 30,000 years. <i>Nature Geoscience</i> , 2018 , 11, 426-432	18.3	61
69	Morphology and controls on the evolution of a mixed carbonate-siliciclastic submarine canyon system, Great Barrier Reef margin, north-eastern Australia. <i>Marine Geology</i> , 2011 , 289, 100-116	3.3	55
68	Intensification of the meridional temperature gradient in the Great Barrier Reef following the Last Glacial Maximum. <i>Nature Communications</i> , 2014 , 5, 4102	17.4	52
67	Coral reef response to Quaternary sea-level and environmental changes: State of the science. <i>Sedimentology</i> , 2015 , 62, 401-428	3.3	51

66	Coral reef evolution on rapidly subsiding margins. <i>Global and Planetary Change</i> , 2009 , 66, 129-148	4.2	50
65	Variation in canyon morphology on the Great Barrier Reef margin, north-eastern Australia: The influence of slope and barrier reefs. <i>Geomorphology</i> , 2013 , 191, 35-50	4.3	47
64	Variation in deglacial coralgal assemblages and their paleoenvironmental significance: IODP Expedition 310, Tahiti Sea Level <i>Global and Planetary Change</i> , 2011 , 76, 1-15	4.2	45
63	Are coral reefs victims of their own past success?. <i>Science Advances</i> , 2016 , 2, e1500850	14.3	35
62	Holocene Burn-on-land evolution of the Southern Great Barrier Reef: Revisiting reef cores from the Capricorn Bunker Group. <i>Marine Geology</i> , 2015 , 363, 174-190	3.3	33
61	Sediment transport and mixing depth on a coral reef sand apron. <i>Geomorphology</i> , 2014 , 222, 143-150	4.3	33
60	Seismic stratigraphy and development of the shelf-edge reefs of the Great Barrier Reef, Australia. <i>Marine Geology</i> , 2014 , 353, 1-20	3.3	31
59	Mixed Carbonate-Siliciclastic Sedimentation Along the Great Barrier Reef Upper Slope: A Challenge To the Reciprocal Sedimentation Model. <i>Journal of Sedimentary Research</i> , 2015 , 85, 1019-1036	2.1	29
58	Late Pleistocene history of turbidite sedimentation in a submarine canyon off the northern Great Barrier Reef, Australia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012 , 331-332, 75-89	2.9	29
57	Postglacial sediment deposition along a mixed carbonate-siliciclastic margin: New constraints from the drowned shelf-edge reefs of the Great Barrier Reef, Australia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016 , 446, 168-185	2.9	28
56	Late Holocene sea-level fall and turn-off of reef flat carbonate production: Rethinking bucket fill and coral reef growth models. <i>Geology</i> , 2015 , 43, 175-178	5	27
55	New constraints on the spatial distribution and morphology of the Halimeda bioherms of the Great Barrier Reef, Australia. <i>Coral Reefs</i> , 2016 , 35, 1343-1355	4.2	23
54	Holocene evolution of the Great Barrier Reef: Insights from 3D numerical modelling. <i>Sedimentary Geology</i> , 2012 , 265-266, 56-71	2.8	23
53	From Corals to Canyons: The Great Barrier Reef Margin. <i>Eos</i> , 2008 , 89, 217-218	1.5	23
52	IODP Expedition 325: Great Barrier Reefs Reveals Past Sea-Level, Climate and Environmental Changes Since the Last Ice Age. <i>Scientific Drilling</i> , 12, 32-45		23
51	The evolution of the Great Barrier Reef during the Last Interglacial Period. <i>Global and Planetary Change</i> , 2017 , 149, 53-71	4.2	21
50	Mixing of relict and modern tests of larger benthic foraminifera on the Great Barrier Reef shelf margin. <i>Marine Micropaleontology</i> , 2013 , 101, 68-75	1.7	21
49	Numerical modeling of the growth and drowning of Hawaiian coral reefs during the last two glacial cycles (0-50 kyr). <i>Geochemistry, Geophysics, Geosystems</i> , 2007 , 8, n/a-n/a	3.6	21

48	Submarine landslides on the Great Barrier Reef shelf edge and upper slope: A mechanism for generating tsunamis on the north-east Australian coast?. <i>Marine Geology</i> , 2016 , 371, 120-129	3.3	20
47	Development of an inshore fringing coral reef using textural, compositional and stratigraphic data from Magnetic Island, Great Barrier Reef, Australia. <i>Marine Geology</i> , 2012 , 299-302, 18-32	3.3	20
46	Rapid relative sea-level fall along north-eastern Australia between 1200 and 800 cal. yr BP: An appraisal of the oyster evidence. <i>Marine Geology</i> , 2015 , 370, 20-30	3.3	20
45	Geomorphology and sediment transport on a submerged back-reef sand apron: One Tree Reef, Great Barrier Reef. <i>Geomorphology</i> , 2014 , 222, 132-142	4.3	20
44	Influence of hydrodynamic energy on Holocene reef flat accretion, Great Barrier Reef. <i>Quaternary Research</i> , 2016 , 85, 44-53	1.9	18
43	Filling the gap: A 60ky record of mixed carbonate-siliciclastic turbidite deposition from the Great Barrier Reef. <i>Marine and Petroleum Geology</i> , 2014 , 50, 40-50	4.7	18
42	Postglacial fringing-reef to barrier-reef conversion on Tahiti links Darwin's reef types. <i>Scientific Reports</i> , 2014 , 4, 4997	4.9	16
41	Gloria Knolls Slide: A prominent submarine landslide complex on the Great Barrier Reef margin of north-eastern Australia. <i>Marine Geology</i> , 2017 , 385, 68-83	3.3	15
40	Geomorphic changes of a coral shingle cay measured using Kite Aerial Photography. <i>Geomorphology</i> , 2016 , 270, 1-8	4.3	15
39	Coral community changes in the Great Barrier Reef in response to major environmental changes over glacial-interglacial timescales. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017 , 472, 216-235	2.9	14
38	Potential collapse of the upper slope and tsunami generation on the Great Barrier Reef margin, north-eastern Australia. <i>Natural Hazards</i> , 2013 , 66, 557-575	3	14
37	Coral reef sediment dynamics: evidence of sand-apron evolution on a daily and decadal scale. <i>Journal of Coastal Research</i> , 2013 , 65, 606-611	0.6	14
36	Successive phases of Holocene reef flat development: Evidence from the mid- to outer Great Barrier Reef. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017 , 466, 221-230	2.9	13
35	Spatio-temporal patterns in the postglacial flooding of the Great Barrier Reef shelf, Australia. <i>Continental Shelf Research</i> , 2019 , 173, 13-26	2.4	13
34	Evolution of Coral Rubble Deposits on a Reef Platform as Detected by Remote Sensing. <i>Remote Sensing</i> , 2013 , 5, 1-18	5	12
33	New evidence of Hawaiian coral reef drowning in response to meltwater pulse-1A. <i>Quaternary Science Reviews</i> , 2017 , 175, 60-72	3.9	10
32	Holocene reef growth over irregular Pleistocene karst confirms major influence of hydrodynamic factors on Holocene reef development. <i>Quaternary Science Reviews</i> , 2018 , 180, 157-176	3.9	10
31	A unified framework for modelling sediment fate from source to sink and its interactions with reef systems over geological times. <i>Scientific Reports</i> , 2018 , 8, 5252	4.9	10

30	Episodic reef growth in the granitic Seychelles during the Last Interglacial: Implications for polar ice sheet dynamics. <i>Marine Geology</i> , 2018 , 399, 170-187	3.3	10
29	Reef Sedimentary Accretion Model (ReefSAM): Understanding coral reef evolution on Holocene time scales using 3D stratigraphic forward modelling. <i>Marine Geology</i> , 2017 , 391, 108-126	3.3	8
28	Spur and groove distribution, morphology and relationship to relative wave exposure, Southern Great Barrier Reef, Australia. <i>Journal of Coastal Research</i> , 2014 , 70, 115-120	0.6	8
27	Bayesreef: A Bayesian inference framework for modelling reef growth in response to environmental change and biological dynamics. <i>Environmental Modelling and Software</i> , 2020 , 125, 104610	5.2	7
26	Morphology and evolution of drowned carbonate terraces during the last two interglacial cycles, off Hilo, NE Hawaii. <i>Marine Geology</i> , 2016 , 371, 57-81	3.3	7
25	Variability of depth-limited waves in coral reef surf zones. <i>Estuarine, Coastal and Shelf Science</i> , 2018 , 211, 36-44	2.9	7
24	The impact of the Mid-Pleistocene Transition on the composition of submerged reefs of the Maui Nui Complex, Hawaii. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011 , 299, 493-506	2.9	7
23	Submarine Landslides and Incised Canyons of the Southeast Queensland Continental Margin. <i>Advances in Natural and Technological Hazards Research</i> , 2016 , 125-134	1.8	7
22	A new model of Holocene reef initiation and growth in response to sea-level rise on the Southern Great Barrier Reef. <i>Sedimentary Geology</i> , 2020 , 397, 105556	2.8	6
21	Morphology and sedimentology of the shelf-upper slope transition in the Abrolhos continental shelf (east Brazilian margin). <i>Geo-Marine Letters</i> , 2019 , 39, 117-134	1.9	5
20	Depositional environments beneath the shelf-edge slopes of the Great Barrier Reef, inferred from foraminiferal assemblages: IODP Expedition 325. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019 , 514, 386-397	2.9	5
19	Exploring coral reef responses to millennial-scale climatic forcings: insights from the 1-D numerical tool pyReef-Core v1.0. <i>Geoscientific Model Development</i> , 2018 , 11, 2093-2110	6.3	5
18	Geology and Geomorphology. <i>Coral Reefs of the World</i> , 2019 , 849-878	2.1	4
17	Paleoshorelines and lowstand sedimentation on subtropical shelves: a case study from the Fraser Shelf, Australia. <i>Australian Journal of Earth Sciences</i> , 2019 , 66, 547-565	1.4	4
16	Mechanisms of spur and groove development and implications for reef platform evolution. <i>Quaternary Science Reviews</i> , 2020 , 231, 106155	3.9	4
15	Morphotype differentiation in the Great Barrier Reef Halimeda bioherm carbonate factory: Internal architecture and surface geomorphometrics. <i>Depositional Record</i> , 2021 , 7, 176-199	2	4
14	High-resolution hyperspectral imaging of diagenesis and clays in fossil coral reef material: a nondestructive tool for improving environmental and climate reconstructions. <i>Geochemistry, Geophysics, Geosystems</i> , 2017 , 18, 3209-3230	3.6	3
13	Large-scale margin collapses along a partly drowned, isolated carbonate platform (Lansdowne Bank, SW Pacific Ocean). <i>Marine Geology</i> , 2021 , 436, 106477	3.3	3

12	Role of the Deglacial Buildup of the Great Barrier Reef for the Global Carbon Cycle. <i>Geophysical Research Letters</i> ,	4.9	2
11	Coral Record of Younger Dryas Chronozone Warmth on the Great Barrier Reef. <i>Paleoceanography and Paleoclimatology</i> , 2020 , 35, e2020PA003962	3.3	1
10	The Influence of Carbonate Platforms on the Geomorphological Development of a Mixed Carbonate-Siliciclastic Margin (Great Barrier Reef, Australia). <i>Geochemistry, Geophysics, Geosystems</i> , 2020 , 21, e2020GC008915	3.6	1
9	New constraints on the postglacial shallow-water carbonate accumulation in the Great Barrier Reef.. <i>Scientific Reports</i> , 2022 , 12, 924	4.9	1
8	Evolution of the inter-reef Halimeda carbonate factory in response to Holocene sea-level and environmental change in the Great Barrier Reef. <i>Quaternary Science Reviews</i> , 2022 , 277, 107347	3.9	1
7	Bioerosion traces in the Great Barrier Reef over the past 10 to 30 kyr. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020 , 542, 109503	2.9	1
6	Controls on the spatio-temporal distribution of microbialite crusts on the Great Barrier Reef over the past 30,000 years. <i>Marine Geology</i> , 2020 , 429, 106312	3.3	1
5	Inter-reef Halimeda algal habitats within the Great Barrier Reef support a distinct biotic community and high biodiversity. <i>Nature Ecology and Evolution</i> , 2021 , 5, 647-655	12.3	1
4	Morphodynamic Controls for Growth and Evolution of a Rubble Coral Island. <i>Remote Sensing</i> , 2021 , 13, 1582	5	1
3	Variations in Mid- to Late Holocene Nitrogen Supply to Northern Great Barrier Reef Halimeda Macroalgal Bioherms. <i>Paleoceanography and Paleoclimatology</i> , 2021 , 36, e2020PA003871	3.3	1
2	Submarine landslide morphometrics and slope failure dynamics along a mixed carbonate-siliciclastic margin, north-eastern Australia. <i>Geomorphology</i> , 2022 , 403, 108179	4.3	1
1	Examining the impact of the Great Barrier Reef on tsunami propagation using numerical simulations. <i>Natural Hazards</i> , 2021 , 108, 347-388	3	0