

Jody M Webster

List of Publications by Year in descending order

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83
papers

3,098
citations

172207

29
h-index

174990

52
g-index

85
all docs

85
docs citations

85
times ranked

2616
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid glaciation and a two-step sea level plunge into the Last Glacial Maximum. <i>Nature</i> , 2018, 559, 603-607.	13.7	172
2	Ice sheet collapse following a prolonged period of stable sea level during the last interglacial. <i>Nature Geoscience</i> , 2013, 6, 796-800.	5.4	158
3	Coral reefs and sea-level change. <i>Marine Geology</i> , 2014, 352, 248-267.	0.9	158
4	Coral reef structural complexity provides important coastal protection from waves under rising sea levels. <i>Science Advances</i> , 2018, 4, eaao4350.	4.7	145
5	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.	1.0	114
6	Mid- to Late Holocene sea-level variability in eastern Australia. <i>Terra Nova</i> , 2008, 20, 74-81.	0.9	111
7	Drowning of the ~150 m reef off Hawaii: A casualty of global meltwater pulse 1A?. <i>Geology</i> , 2004, 32, 249.	2.0	102
8	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.	1.4	94
9	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.	5.4	94
10	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.	1.6	91
11	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.	2.0	87
12	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.	1.2	80
13	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.	0.9	79
14	New evidence for drowned shelf edge reefs in the Great Barrier Reef, Australia. <i>Marine Geology</i> , 2008, 247, 17-34.	0.9	73
15	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.	0.9	73
16	Intensification of the meridional temperature gradient in the Great Barrier Reef following the Last Glacial Maximum. <i>Nature Communications</i> , 2014, 5, 4102.	5.8	72
17	Coral reef response to Quaternary sea-level and environmental changes: State of the science. <i>Sedimentology</i> , 2015, 62, 401-428.	1.6	71
18	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.	1.1	69

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19	Coral reef evolution on rapidly subsiding margins. <i>Global and Planetary Change</i> , 2009, 66, 129-148.	1.6	63
20	Variation in deglacial corallgal assemblages and their paleoenvironmental significance: IODP Expedition 310, "Tahiti Sea Level". <i>Global and Planetary Change</i> , 2011, 76, 1-15.	1.6	51
21	Sediment transport and mixing depth on a coral reef sand apron. <i>Geomorphology</i> , 2014, 222, 143-150.	1.1	49
22	Are coral reefs victims of their own past success?. <i>Science Advances</i> , 2016, 2, e1500850.	4.7	49
23	Holocene "turn-on" and evolution of the Southern Great Barrier Reef: Revisiting reef cores from the Capricorn Bunker Group. <i>Marine Geology</i> , 2015, 363, 174-190.	0.9	44
24	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.	1.0	36
25	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.	0.8	35
26	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.	2.0	34
27	Seismic stratigraphy and development of the shelf-edge reefs of the Great Barrier Reef, Australia. <i>Marine Geology</i> , 2014, 353, 1-20.	0.9	33
28	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.	1.0	33
29	From Corals to Canyons: The Great Barrier Reef Margin. <i>Eos</i> , 2008, 89, 217-218.	0.1	31
30	Geomorphology and sediment transport on a submerged back-reef sand apron: One Tree Reef, Great Barrier Reef. <i>Geomorphology</i> , 2014, 222, 132-142.	1.1	31
31	The evolution of the Great Barrier Reef during the Last Interglacial Period. <i>Global and Planetary Change</i> , 2017, 149, 53-71.	1.6	31
32	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.	0.9	30
33	Numerical modeling of the growth and drowning of Hawaiian coral reefs during the last two glacial cycles (0-250 kyr). <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, n/a-n/a.	1.0	28
34	Holocene evolution of the Great Barrier Reef: Insights from 3D numerical modelling. <i>Sedimentary Geology</i> , 2012, 265-266, 56-71.	1.0	28
35	IODP Expedition 325: Great Barrier Reefs Reveals Past Sea-Level, Climate and Environmental Changes Since the Last Ice Age. <i>Scientific Drilling</i> , 0, 12, 32-45.	1.0	28
36	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.	1.5	27

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37	Evolution of Coral Rubble Deposits on a Reef Platform as Detected by Remote Sensing. <i>Remote Sensing</i> , 2013, 5, 1-18.	1.8	26
38	Postglacial Fringing-Reef to Barrier-Reef conversion on Tahiti links Darwin's reef types. <i>Scientific Reports</i> , 2014, 4, 4997.	1.6	26
39	Influence of hydrodynamic energy on Holocene reef flat accretion, Great Barrier Reef. <i>Quaternary Research</i> , 2016, 85, 44-53.	1.0	26
40	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.	0.9	26
41	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.	0.9	23
42	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.	0.5	23
43	Rapid relative sea-level fall along north-eastern Australia between 1200 and 800cal.yrBP: An appraisal of the oyster evidence. <i>Marine Geology</i> , 2015, 370, 20-30.	0.9	23
44	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.	1.6	21
45	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.	1.0	20
46	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.	0.9	20
47	Geomorphic changes of a coral shingle cay measured using Kite Aerial Photography. <i>Geomorphology</i> , 2016, 270, 1-8.	1.1	19
48	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.	0.9	19
49	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.	1.4	17
50	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.	0.1	16
51	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.	1.6	15
52	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.	1.0	15
53	New evidence of Hawaiian coral reef drowning in response to meltwater pulse-1A. <i>Quaternary Science Reviews</i> , 2017, 175, 60-72.	1.4	15
54	Geology and Geomorphology. <i>Coral Reefs of the World</i> , 2019, , 849-878.	0.3	15

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55	Spatio-temporal patterns in the postglacial flooding of the Great Barrier Reef shelf, Australia. <i>Continental Shelf Research</i> , 2019, 173, 13-26.	0.9	15
56	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.	1.0	15
57	Variability of depth-limited waves in coral reef surf zones. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 211, 36-44.	0.9	14
58	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.	0.1	13
59	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.	0.9	13
60	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.	0.5	13
61	Mechanisms of spur and groove development and implications for reef platform evolution. <i>Quaternary Science Reviews</i> , 2020, 231, 106155.	1.4	13
62	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.	1.9	12
63	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.	1.3	11
64	Large-scale margin collapses along a partly drowned, isolated carbonate platform (Lansdowne Bank,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	11
65	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.	1.0	10
66	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.	0.4	9
67	Morphodynamic Controls for Growth and Evolution of a Rubble Coral Island. <i>Remote Sensing</i> , 2021, 13, 1582.	1.8	9
68	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.	0.9	8
69	Morphotype differentiation in the Great Barrier Reef <i><i>Halimeda</i></i> bioherm carbonate factory: Internal architecture and surface geomorphometrics. <i>Depositional Record</i> , 2021, 7, 176-199.	0.8	7
70	Submarine Landslides and Incised Canyons of the Southeast Queensland Continental Margin. <i>Advances in Natural and Technological Hazards Research</i> , 2016, , 125-134.	1.1	7
71	Submarine landslide morphometrics and slope failure dynamics along a mixed carbonate-siliciclastic margin, north-eastern Australia. <i>Geomorphology</i> , 2022, 403, 108179.	1.1	6
72	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.	1.0	5

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73	Coral Record of Younger Dryas Chronozone Warmth on the Great Barrier Reef. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2020PA003962.	1.3	5
74	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.	1.0	5
75	New constraints on the postglacial shallow-water carbonate accumulation in the Great Barrier Reef. <i>Scientific Reports</i> , 2022, 12, 924.	1.6	5
76	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.	1.0	4
77	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.	1.4	4
78	Role of the Deglacial Buildup of the Great Barrier Reef for the Global Carbon Cycle. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	4
79	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.	0.9	3
80	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.	3.4	3
81	Bioerosion traces in the Great Barrier Reef over the past 10 to 30 kyr. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 542, 109503.	1.0	2
82	Examining the impact of the Great Barrier Reef on tsunami propagation using numerical simulations. <i>Natural Hazards</i> , 2021, 108, 347-388.	1.6	2
83	Variations in Mid- to Late Holocene Nitrogen Supply to Northern Great Barrier Reef Halimeda Macroalgal Bioherms. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA003871.	1.3	1