

Kerrylee Rogers

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

5,789
citations

117619

34
h-index

82542

72
g-index

95
all docs

95
docs citations

95
times ranked

4478
citing authors

#	ARTICLE	IF	CITATIONS
1	An Australian blue carbon method to estimate climate change mitigation benefits of coastal wetland restoration. <i>Restoration Ecology</i> , 2023, 31, .	2.9	25
2	Australian forested wetlands under climate change: collapse or proliferation?. <i>Marine and Freshwater Research</i> , 2022, 73, 1255-1262.	1.3	10
3	Carbon storage in coastal wetlands is related to elevation and how it changes over time. <i>Estuarine, Coastal and Shelf Science</i> , 2022, 267, 107775.	2.1	5
4	Coastal Wetland Surface Elevation Change Is Dynamically Related to Accommodation Space and Influenced by Sedimentation and Sea-Level Rise Over Decadal Timescales. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	6
5	An Eco-Morphodynamic Modelling Approach to Estuarine Hydrodynamics & Wetlands in Response to Sea-Level Rise. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	7
6	Operationalizing marketable blue carbon. <i>One Earth</i> , 2022, 5, 485-492.	6.8	34
7	Estuaries and coastal wetlands of the southern hemisphere – An overview. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 250, 107125.	2.1	5
8	Australian mangroves through the Holocene: interactions between sea level, mangrove extent, and carbon sequestration. , 2021, , 217-234.		0
9	Accommodation space as a framework for assessing the response of mangroves to relative sea-level rise. <i>Singapore Journal of Tropical Geography</i> , 2021, 42, 163-183.	0.9	35
10	The geomorphic impact of mangrove encroachment in an Australian salt marsh. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 251, 107238.	2.1	3
11	Planning for current and future needs of mangroves and their accommodation space. Response to Ken Krauss and Catherine Lovelock.. <i>Singapore Journal of Tropical Geography</i> , 2021, 42, 194-196.	0.9	0
12	Mangrove sinkholes (cenotes) of the Yucatan Peninsula, a global hotspot of carbon sequestration. <i>Biology Letters</i> , 2021, 17, 20210037.	2.3	15
13	A Validated and Accurate Method for Quantifying and Extrapolating Mangrove Above-Ground Biomass Using LiDAR Data. <i>Remote Sensing</i> , 2021, 13, 2763.	4.0	2
14	Processes Influencing Autocompaction Modulate Coastal Wetland Surface Elevation Adjustment With Sea-Level Rise. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	8
15	Coastal flood risk within a peri-urban area: Sussex Inlet district, SE Australia. <i>Natural Hazards</i> , 2021, 109, 999-1026.	3.4	7
16	Inundation characteristics of mangrove and saltmarsh in micro-tidal estuaries. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 261, 107553.	2.1	14
17	Conceptualizing ecosystem degradation using mangrove forests as a model system. <i>Biological Conservation</i> , 2021, 263, 109355.	4.1	17
18	Temperate coastal wetland near-surface carbon storage: Spatial patterns and variability. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 235, 106584.	2.1	21

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19	Sandy beaches can survive sea-level rise. <i>Nature Climate Change</i> , 2020, 10, 993-995.	18.8	136
20	Contemporary distribution of benthic foraminiferal assemblages in coastal wetlands of south-eastern Australia. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 245, 106949.	2.1	6
21	Thresholds of mangrove survival under rapid sea level rise. <i>Science</i> , 2020, 368, 1118-1121.	12.6	227
22	Mangroves give cause for conservation optimism, for now. <i>Current Biology</i> , 2020, 30, R153-R154.	3.9	127
23	Improving mangrove above-ground biomass estimates using LiDAR. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 236, 106585.	2.1	33
24	Use of airborne Lidar to investigate mangrove accommodation space in macrotidal estuaries of northern Australia. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 245, 106988.	2.1	2
25	Moving from Generalisations to Specificity about Mangrove "Saltmarsh Dynamics. <i>Wetlands</i> , 2019, 39, 1155-1178.	1.5	29
26	Blue carbon in coastal landscapes: a spatial framework for assessment of stocks and additionality. <i>Sustainability Science</i> , 2019, 14, 453-467.	4.9	37
27	The State of the World's Mangrove Forests: Past, Present, and Future. <i>Annual Review of Environment and Resources</i> , 2019, 44, 89-115.	13.4	386
28	Redating the earliest evidence of the mid-Holocene relative sea-level highstand in Australia and implications for global sea-level rise. <i>PLoS ONE</i> , 2019, 14, e0218430.	2.5	29
29	Saline wetland extents and tidal inundation regimes on a micro-tidal coast, New South Wales, Australia. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 227, 106297.	2.1	16
30	Assessing the distribution and drivers of mangrove dieback in Kakadu National Park, northern Australia. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 228, 106353.	2.1	39
31	A methodological framework for reconstructing historical delta front morphology: case study at Macquarie rivulet delta within Lake Illawarra, Australia. <i>Journal of Coastal Conservation</i> , 2019, 23, 717-726.	1.6	2
32	Wetland carbon storage controlled by millennial-scale variation in relative sea-level rise. <i>Nature</i> , 2019, 567, 91-95.	27.8	293
33	Mangrove dynamics and blue carbon sequestration. <i>Biology Letters</i> , 2019, 15, 20180471.	2.3	20
34	Impacts of land reclamation on tidal marsh "blue carbon"™ stocks. <i>Science of the Total Environment</i> , 2019, 672, 427-437.	8.0	35
35	The Shifting Saltmarsh-Mangrove Ecotone in Australasia and the Americas. , 2019, , 915-945.		16
36	Impacts and adaptation options for estuarine vegetation in a large city. <i>Landscape and Urban Planning</i> , 2019, 182, 1-11.	7.5	18

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37	Climate Change Impacts on the Coastal Wetlands of Australia. <i>Wetlands</i> , 2019, 39, 1145-1154.	1.5	58
38	Terrestrial laser scanning to quantify above-ground biomass of structurally complex coastal wetland vegetation. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 204, 164-176.	2.1	27
39	Validation and Comparison of a Model of the Effect of Sea-Level Rise on Coastal Wetlands. <i>Scientific Reports</i> , 2018, 8, 1369.	3.3	49
40	The extent of mangrove change and potential for recovery following severe Tropical Cyclone Yasi, Hinchinbrook Island, Queensland, Australia. <i>Ecology and Evolution</i> , 2018, 8, 10416-10434.	1.9	45
41	Historical perspectives on the mangroves of Kakadu National Park. <i>Marine and Freshwater Research</i> , 2018, 69, 1047.	1.3	26
42	Wind influence on the orientation of estuarine landforms: An example from Lake Illawarra in southeastern Australia. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 2915-2925.	2.5	7
43	Spatial variation of above-ground carbon storage in temperate coastal wetlands. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 210, 55-67.	2.1	47
44	Mapping of mangrove extent and zonation using high and low tide composites of Landsat data. <i>Hydrobiologia</i> , 2017, 803, 49-68.	2.0	39
45	Review of the ecosystem service implications of mangrove encroachment into salt marshes. <i>Global Change Biology</i> , 2017, 23, 3967-3983.	9.5	183
46	Morphogenetic modelling of coastal and estuarine evolution. <i>Earth-Science Reviews</i> , 2017, 171, 254-271.	9.1	21
47	Climatic controls on the global distribution, abundance, and species richness of mangrove forests. <i>Ecological Monographs</i> , 2017, 87, 341-359.	5.4	228
48	Linear and nonlinear effects of temperature and precipitation on ecosystem properties in tidal saline wetlands. <i>Ecosphere</i> , 2017, 8, e01956.	2.2	85
49	Productivity influences trophic structure in a temporally forced aquatic ecosystem. <i>Freshwater Biology</i> , 2017, 62, 1528-1538.	2.4	10
50	Intermittent Estuaries: Linking Hydro-geomorphic Context to Climate Change Resilience. <i>Journal of Coastal Research</i> , 2016, 75, 133-137.	0.3	10
51	Geomorphology as an indicator of the biophysical vulnerability of estuaries to coastal and flood hazards in a changing climate. <i>Journal of Coastal Conservation</i> , 2016, 20, 127-144.	1.6	19
52	Opportunities and challenges for mangrove carbon sequestration in the Mekong River Delta in Vietnam. <i>Sustainability Science</i> , 2016, 11, 661-677.	4.9	21
53	Identifying spatial variability and complexity in wetland vegetation using an object-based approach. <i>International Journal of Remote Sensing</i> , 2016, 37, 4296-4316.	2.9	24
54	Spatial Variation in Carbon Storage: A Case Study for Currumbene Creek, NSW, Australia. <i>Journal of Coastal Research</i> , 2016, 75, 1297-1301.	0.3	17

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55	The state of legislation and policy protecting Australia's mangrove and salt marsh and their ecosystem services. <i>Marine Policy</i> , 2016, 72, 139-155.	3.2	83
56	Quantifying changes to historic fish habitat extent on north coast NSW floodplains, Australia. <i>Regional Environmental Change</i> , 2016, 16, 1469-1479.	2.9	17
57	Indicator-based assessment of climate-change impacts on coasts: A review of concepts, methodological approaches and vulnerability indices. <i>Ocean and Coastal Management</i> , 2016, 123, 18-43.	4.4	197
58	Mangrove Sedimentation and Response to Relative Sea-Level Rise. <i>Annual Review of Marine Science</i> , 2016, 8, 243-266.	11.6	310
59	Vegetation persistence and carbon storage: Implications for environmental water management for <i>Spartina australis</i> . <i>Water Resources Research</i> , 2015, 51, 5284-5300.	4.2	17
60	Woody plant encroachment of grasslands: a comparison of terrestrial and wetland settings. <i>New Phytologist</i> , 2015, 205, 1062-1070.	7.3	111
61	The vulnerability of Indo-Pacific mangrove forests to sea-level rise. <i>Nature</i> , 2015, 526, 559-563.	27.8	606
62	Moving from deterministic towards probabilistic coastal hazard and risk assessment: Development of a modelling framework and application to Narrabeen Beach, New South Wales, Australia. <i>Coastal Engineering</i> , 2015, 96, 92-99.	4.0	45
63	Modelling the Local Ecological Outcomes of Basin Scale Water Planning. <i>Australian Journal of Water Resources</i> , 2014, 18, 133-150.	2.7	0
64	Mangrove expansion and salt marsh decline at mangrove poleward limits. <i>Global Change Biology</i> , 2014, 20, 147-157.	9.5	478
65	Modelling the local ecological outcomes of basin scale water planning. <i>Australian Journal of Water Resources</i> , 2014, 18, .	2.7	1
66	Managed Retreat of Saline Coastal Wetlands: Challenges and Opportunities Identified from the Hunter River Estuary, Australia. <i>Estuaries and Coasts</i> , 2014, 37, 67-78.	2.2	70
67	Surface elevation change and vegetation distribution dynamics in a subtropical coastal wetland: Implications for coastal wetland response to climate change. <i>Estuarine, Coastal and Shelf Science</i> , 2014, 149, 46-56.	2.1	70
68	An argument for probabilistic coastal hazard assessment: Retrospective examination of practice in New South Wales, Australia. <i>Ocean and Coastal Management</i> , 2014, 95, 147-155.	4.4	10
69	Allochthonous and autochthonous contributions to carbon accumulation and carbon store in southeastern Australian coastal wetlands. <i>Estuarine, Coastal and Shelf Science</i> , 2013, 128, 84-92.	2.1	197
70	Sedimentation, elevation and marsh evolution in a southeastern Australian estuary during changing climatic conditions. <i>Estuarine, Coastal and Shelf Science</i> , 2013, 133, 172-181.	2.1	46
71	Reprint of Modelling wetland surface elevation dynamics and its application to forecasting the effects of sea-level rise on estuarine wetlands. <i>Ecological Modelling</i> , 2013, 264, 27-36.	2.5	6
72	Matching research and policy tools to scales of climate-change adaptation in the Murray-Darling, a large Australian river basin: a review. <i>Hydrobiologia</i> , 2013, 708, 97-109.	2.0	12

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73	Application of thresholds of potential concern and limits of acceptable change in the condition assessment of a significant wetland. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 8583-8600.	2.7	26
74	The significance and vulnerability of Australian saltmarshes: implications for management in a changing climate. <i>Marine and Freshwater Research</i> , 2013, 64, 66.	1.3	57
75	Carbon farming could restore Australia. <i>Ecos</i> , 2013, , .	0.0	0
76	Measuring, mapping and modelling: an integrated approach to the management of mangrove and saltmarsh in the Minnamurra River estuary, southeast Australia. <i>Wetlands Ecology and Management</i> , 2012, 20, 353-371.	1.5	39
77	Modelling wetland surface elevation dynamics and its application to forecasting the effects of sea-level rise on estuarine wetlands. <i>Ecological Modelling</i> , 2012, 244, 148-157.	2.5	78
78	The Use of Representative Species as Surrogates for Wetland Inundation. <i>Wetlands</i> , 2012, 32, 249-256.	1.5	11
79	Response of Salt Marsh and Mangrove Wetlands to Changes in Atmospheric CO ₂ , Climate, and Sea Level. , 2012, , 63-96.		89
80	The impacts of river regulation and water diversion on the hydrological drought characteristics in the Lower Murrumbidgee River, Australia. <i>Journal of Hydrology</i> , 2011, 405, 382-391.	5.4	80
81	The influences of climate and hydrology on population dynamics of waterbirds in the lower Murrumbidgee River floodplains in Southeast Australia: Implications for environmental water management. <i>Ecological Modelling</i> , 2011, 222, 154-163.	2.5	51
82	Remapping of SEPP 14 wetlands in the Shoalhaven district. <i>Wetlands Australia</i> , 2010, 20, 55.	0.5	3
83	An investigation of the hydrological requirements of River Red Gum (<i>Eucalyptus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 347 143-155.	2.4	55
84	Relationships between Surface Elevation and Groundwater in Mangrove Forests of Southeast Australia. <i>Journal of Coastal Research</i> , 2008, 1, 63-69.	0.3	45
85	Vegetation change and surface elevation dynamics in estuarine wetlands of southeast Australia. <i>Estuarine, Coastal and Shelf Science</i> , 2006, 66, 559-569.	2.1	150
86	Recent Storm Boulder Deposits on the Beecroft Peninsula, New South Wales, Australia. <i>Geographical Research</i> , 2005, 43, 429-432.	1.8	25
87	Mangrove encroachment of salt marsh in Western Port Bay, Victoria: The role of sedimentation, subsidence, and sea level rise. <i>Estuaries and Coasts</i> , 2005, 28, 551-559.	1.7	128
88	Surface Elevation Dynamics in a Regenerating Mangrove Forest at Homebush Bay, Australia. <i>Wetlands Ecology and Management</i> , 2005, 13, 587-598.	1.5	77