

Catherine E Lovelock

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3458201/publications.pdf>

Version: 2024-02-01

261
papers

21,049
citations

10351

72
h-index

12558

132
g-index

273
all docs

273
docs citations

273
times ranked

14957
citing authors

#	ARTICLE	IF	CITATIONS
1	A blueprint for blue carbon: toward an improved understanding of the role of vegetated coastal habitats in sequestering CO ₂ . <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 552-560.	1.9	2,354
2	Opportunities for improving phosphorus use efficiency in crop plants. <i>New Phytologist</i> , 2012, 195, 306-320.	3.5	702
3	The vulnerability of Indo-Pacific mangrove forests to sea-level rise. <i>Nature</i> , 2015, 526, 559-563.	13.7	606
4	Environmental drivers in mangrove establishment and early development: A review. <i>Aquatic Botany</i> , 2008, 89, 105-127.	0.8	576
5	Rebuilding marine life. <i>Nature</i> , 2020, 580, 39-51.	13.7	560
6	The cost and feasibility of marine coastal restoration. <i>Ecological Applications</i> , 2016, 26, 1055-1074.	1.8	495
7	How mangrove forests adjust to rising sea level. <i>New Phytologist</i> , 2014, 202, 19-34.	3.5	489
8	Nutrition of mangroves. <i>Tree Physiology</i> , 2010, 30, 1148-1160.	1.4	429
9	Global patterns in mangrove soil carbon stocks and losses. <i>Nature Climate Change</i> , 2017, 7, 523-528.	8.1	412
10	The future of Blue Carbon science. <i>Nature Communications</i> , 2019, 10, 3998.	5.8	406
11	The State of the World's Mangrove Forests: Past, Present, and Future. <i>Annual Review of Environment and Resources</i> , 2019, 44, 89-115.	5.6	386
12	Biocomplexity in Mangrove Ecosystems. <i>Annual Review of Marine Science</i> , 2010, 2, 395-417.	5.1	328
13	Mangrove Sedimentation and Response to Relative Sea-Level Rise. <i>Annual Review of Marine Science</i> , 2016, 8, 243-266.	5.1	310
14	Dimensions of Blue Carbon and emerging perspectives. <i>Biology Letters</i> , 2019, 15, 20180781.	1.0	261
15	Blue carbon as a natural climate solution. <i>Nature Reviews Earth & Environment</i> , 2021, 2, 826-839.	12.2	261
16	Soil stocks of glomalin produced by arbuscular mycorrhizal fungi across a tropical rain forest landscape. <i>Journal of Ecology</i> , 2004, 92, 278-287.	1.9	233
17	Nitrogen limitation of growth and nutrient dynamics in a disturbed mangrove forest, Indian River Lagoon, Florida. <i>Oecologia</i> , 2003, 134, 405-414.	0.9	210
18	The Coral Trait Database, a curated database of trait information for coral species from the global oceans. <i>Scientific Data</i> , 2016, 3, 160017.	2.4	189

#	ARTICLE	IF	CITATIONS
19	Regulation of water balance in mangroves. <i>Annals of Botany</i> , 2015, 115, 385-395.	1.4	182
20	The effect of nutrient enrichment on growth, photosynthesis and hydraulic conductance of dwarf mangroves in Panama. <i>Functional Ecology</i> , 2004, 18, 25-33.	1.7	181
21	Predators help protect carbon stocks in blue carbon ecosystems. <i>Nature Climate Change</i> , 2015, 5, 1038-1045.	8.1	181
22	UN Decade on Ecosystem Restoration 2021â€“2030â€“What Chance for Success in Restoring Coastal Ecosystems?. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	181
23	Soil Respiration and Belowground Carbon Allocation in Mangrove Forests. <i>Ecosystems</i> , 2008, 11, 342-354.	1.6	177
24	Mangrove dieback during fluctuating sea levels. <i>Scientific Reports</i> , 2017, 7, 1680.	1.6	165
25	Nutrient Enrichment Increases Mortality of Mangroves. <i>PLoS ONE</i> , 2009, 4, e5600.	1.1	165
26	Sedimentation within and among mangrove forests along a gradient of geomorphological settings. <i>Estuarine, Coastal and Shelf Science</i> , 2010, 86, 21-30.	0.9	161
27	Mangrove mortality in a changing climate: An overview. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 215, 241-249.	0.9	154
28	Differential effects of tropical arbuscular mycorrhizal fungal inocula on root colonization and tree seedling growth: implications for tropical forest diversity. <i>Ecology Letters</i> , 2000, 3, 106-113.	3.0	153
29	Australian vegetated coastal ecosystems as global hotspots for climate change mitigation. <i>Nature Communications</i> , 2019, 10, 4313.	5.8	150
30	Carbon and nutrient exchange of mangrove forests with the coastal ocean. <i>Hydrobiologia</i> , 2011, 663, 23-50.	1.0	145
31	Assessing the risk of carbon dioxide emissions from blue carbon ecosystems. <i>Frontiers in Ecology and the Environment</i> , 2017, 15, 257-265.	1.9	145
32	Habitat characteristics provide insights of carbon storage in seagrass meadows. <i>Marine Pollution Bulletin</i> , 2018, 134, 106-117.	2.3	145
33	Photoinhibition and recovery in tropical plant species: response to disturbance. <i>Oecologia</i> , 1994, 97, 297-307.	0.9	142
34	Organic carbon in seagrass sediments is influenced by seagrass canopy complexity, turbidity, wave height, and water depth. <i>Limnology and Oceanography</i> , 2016, 61, 938-952.	1.6	139
35	Indonesiaâ€™s blue carbon: a globally significant and vulnerable sink for seagrass and mangrove carbon. <i>Wetlands Ecology and Management</i> , 2016, 24, 3-13.	0.7	138
36	High-resolution mapping of losses and gains of Earthâ€™s tidal wetlands. <i>Science</i> , 2022, 376, 744-749.	6.0	138

#	ARTICLE	IF	CITATIONS
37	Testing the Growth Rate vs. Geochemical Hypothesis for latitudinal variation in plant nutrients. <i>Ecology Letters</i> , 2007, 10, 1154-1163.	3.0	135
38	Arbuscular mycorrhizal communities in tropical forests are affected by host tree species and environment. <i>Oecologia</i> , 2003, 135, 268-279.	0.9	134
39	CO2 Efflux from Cleared Mangrove Peat. <i>PLoS ONE</i> , 2011, 6, e21279.	1.1	131
40	Global ecological impacts of marine exotic species. <i>Nature Ecology and Evolution</i> , 2019, 3, 787-800.	3.4	128
41	Mangrove growth in New Zealand estuaries: the role of nutrient enrichment at sites with contrasting rates of sedimentation. <i>Oecologia</i> , 2007, 153, 633-641.	0.9	125
42	Mangrove Forest and Soil Development on a Rapidly Accreting Shore in New Zealand. <i>Ecosystems</i> , 2010, 13, 437-451.	1.6	124
43	Reviews and syntheses: ^{210}Pb -derived sediment and carbon accumulation rates in vegetated coastal ecosystems "setting the record straight". <i>Biogeosciences</i> , 2018, 15, 6791-6818.	1.3	121
44	The role of socio-economic factors in planning and managing urban ecosystem services. <i>Ecosystem Services</i> , 2018, 31, 102-110.	2.3	119
45	Distribution and accumulation of ultraviolet-radiation-absorbing compounds in leaves of tropical mangroves. <i>Planta</i> , 1992, 188, 143-154.	1.6	118
46	Carbon sequestration by Australian tidal marshes. <i>Scientific Reports</i> , 2017, 7, 44071.	1.6	112
47	Using glomalin as an indicator for arbuscular mycorrhizal hyphal growth: an example from a tropical rain forest soil. <i>Soil Biology and Biochemistry</i> , 2004, 36, 1009-1012.	4.2	109
48	Contemporary Rates of Carbon Sequestration Through Vertical Accretion of Sediments in Mangrove Forests and Saltmarshes of South East Queensland, Australia. <i>Estuaries and Coasts</i> , 2014, 37, 763-771.	1.0	108
49	Nutrient Addition Differentially Affects Ecological Processes of <i>Avicennia germinans</i> in Nitrogen versus Phosphorus Limited Mangrove Ecosystems. <i>Ecosystems</i> , 2007, 10, 347-359.	1.6	106
50	Variable Impacts of Climate Change on Blue Carbon. <i>One Earth</i> , 2020, 3, 195-211.	3.6	106
51	Role of carbonate burial in Blue Carbon budgets. <i>Nature Communications</i> , 2019, 10, 1106.	5.8	105
52	Seagrass meadows as a globally significant carbonate reservoir. <i>Biogeosciences</i> , 2015, 12, 4993-5003.	1.3	104
53	Linking physiological processes with mangrove forest structure: phosphorus deficiency limits canopy development, hydraulic conductivity and photosynthetic carbon gain in dwarf <i>Rhizophora</i> mangle. <i>Plant, Cell and Environment</i> , 2006, 29, 793-802.	2.8	102
54	Vegetation and soil characteristics as indicators of restoration trajectories in restored mangroves. <i>Hydrobiologia</i> , 2013, 720, 1-18.	1.0	101

#	ARTICLE	IF	CITATIONS
55	Selecting cost-effective areas for restoration of ecosystem services. <i>Conservation Biology</i> , 2015, 29, 493-502.	2.4	100
56	Coastal retreat and improved water quality mitigate losses of seagrass from sea level rise. <i>Global Change Biology</i> , 2013, 19, 2569-2583.	4.2	99
57	Photosynthetic performance and resource utilization of two mangrove species coexisting in a hypersaline scrub forest. <i>Oecologia</i> , 2003, 134, 455-462.	0.9	96
58	Surface reflectance properties of Antarctic moss and their relationship to plant species, pigment composition and photosynthetic function. <i>Plant, Cell and Environment</i> , 2002, 25, 1239-1250.	2.8	95
59	A global biophysical typology of mangroves and its relevance for ecosystem structure and deforestation. <i>Scientific Reports</i> , 2020, 10, 14652.	1.6	94
60	The Physiology of Mangrove Trees with Changing Climate. <i>Tree Physiology</i> , 2016, , 149-179.	0.9	93
61	Future carbon emissions from global mangrove forest loss. <i>Global Change Biology</i> , 2021, 27, 2856-2866.	4.2	93
62	Differences in plant function in phosphorus- and nitrogen-limited mangrove ecosystems. <i>New Phytologist</i> , 2006, 172, 514-522.	3.5	92
63	Motivations, success, and cost of coral reef restoration. <i>Restoration Ecology</i> , 2019, 27, 981-991.	1.4	92
64	Modeled CO2 Emissions from Coastal Wetland Transitions to Other Land Uses: Tidal Marshes, Mangrove Forests, and Seagrass Beds. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	85
65	Managing for change: wetland transitions under sea-level rise and outcomes for threatened species. <i>Diversity and Distributions</i> , 2011, 17, 1225-1233.	1.9	84
66	The Role of Surface and Subsurface Processes in Keeping Pace with Sea Level Rise in Intertidal Wetlands of Moreton Bay, Queensland, Australia. <i>Ecosystems</i> , 2011, 14, 745-757.	1.6	84
67	The analysis of photosynthetic performance in leaves under field conditions: A case study using <i>Bruguiera</i> mangroves. <i>Photosynthesis Research</i> , 1991, 29, 11-22.	1.6	84
68	Impact of changes in natural ultraviolet radiation on pigment composition, physiological and morphological characteristics of the Antarctic moss, <i>Grimmia antarctici</i> . <i>Global Change Biology</i> , 2005, 11, 476-489.	4.2	82
69	Synthetic microbe communities provide internal reference standards for metagenome sequencing and analysis. <i>Nature Communications</i> , 2018, 9, 3096.	5.8	81
70	Mangrove blue carbon stocks and dynamics are controlled by hydrogeomorphic settings and land-use change. <i>Global Change Biology</i> , 2020, 26, 3028-3039.	4.2	80
71	Photoinhibition of photosynthesis on a coral reef. <i>Plant, Cell and Environment</i> , 1996, 19, 825-836.	2.8	78
72	Wax as a Mechanism for Protection against Photoinhibition - A Study of <i>Cotyledon orbiculata</i> . <i>Botanica Acta</i> , 1993, 106, 307-312.	1.6	77

#	ARTICLE	IF	CITATIONS
73	Some like it wet “ biological characteristics underpinning tolerance of extreme water stress events in Antarctic bryophytes. <i>Functional Plant Biology</i> , 2006, 33, 443.	1.1	77
74	Mangrove forest evolution in a sediment-rich estuarine system: opportunists or agents of geomorphic change?. <i>Earth Surface Processes and Landforms</i> , 2015, 40, 1672-1687.	1.2	77
75	Oxygen-dependent electron transport and protection from photoinhibition in leaves of tropical tree species. <i>Planta</i> , 1996, 198, 580-587.	1.6	75
76	Interdependency of tropical marine ecosystems in response to climate change. <i>Nature Climate Change</i> , 2014, 4, 724-729.	8.1	75
77	Fingerprinting Blue Carbon: Rationale and Tools to Determine the Source of Organic Carbon in Marine Depositional Environments. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	75
78	Influence of solar radiation and leaf angle on leaf xanthophyll concentrations in mangroves. <i>Oecologia</i> , 1992, 91, 518-525.	0.9	73
79	Sea level and turbidity controls on mangrove soil surface elevation change. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 153, 1-9.	0.9	72
80	The Ecology and Management of Temperate Mangroves. <i>Oceanography and Marine Biology</i> , 2010, , 43-160.	1.0	72
81	CO2 Efflux from Shrimp Ponds in Indonesia. <i>PLoS ONE</i> , 2013, 8, e66329.	1.1	69
82	The use of fresh and saline water sources by the mangrove <i>Avicennia marina</i> . <i>Hydrobiologia</i> , 2015, 745, 59-68.	1.0	69
83	A national approach to greenhouse gas abatement through blue carbon management. <i>Global Environmental Change</i> , 2020, 63, 102083.	3.6	69
84	Variation in hydraulic conductivity of mangroves: influence of species, salinity, and nitrogen and phosphorus availability. <i>Physiologia Plantarum</i> , 2006, 127, 457-464.	2.6	68
85	Dynamics of sediment carbon stocks across intertidal wetland habitats of Moreton Bay, Australia. <i>Global Change Biology</i> , 2017, 23, 4222-4234.	4.2	67
86	Climate change manipulations show Antarctic flora is more strongly affected by elevated nutrients than water. <i>Global Change Biology</i> , 2006, 12, 1800-1812.	4.2	65
87	Light-dependent maintenance of hydraulic function in mangrove branches: do xylary chloroplasts play a role in embolism repair?. <i>New Phytologist</i> , 2012, 195, 40-46.	3.5	63
88	Harnessing Big Data to Support the Conservation and Rehabilitation of Mangrove Forests Globally. <i>One Earth</i> , 2020, 2, 429-443.	3.6	63
89	Direct uptake of canopy rainwater causes turgor-driven growth spurts in the mangrove <i>Avicennia marina</i> . <i>Tree Physiology</i> , 2018, 38, 979-991.	1.4	62
90	Effects of elevated CO2 on foliar chemistry of saplings of nine species of tropical tree. <i>Oecologia</i> , 2002, 133, 62-69.	0.9	61

#	ARTICLE	IF	CITATIONS
91	Reversible Photoinhibition in Antarctic Moss during Freezing and Thawing. <i>Plant Physiology</i> , 1995, 109, 955-961.	2.3	60
92	Intense storms and the delivery of materials that relieve nutrient limitations in mangroves of an arid zone estuary. <i>Functional Plant Biology</i> , 2011, 38, 514.	1.1	60
93	Priorities and Motivations of Marine Coastal Restoration Research. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	58
94	Spatial complexities in aboveground carbon stocks of a semi-arid mangrove community: A remote sensing height-biomass-carbon approach. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 200, 194-201.	0.9	57
95	Growth Responses to Vesicular-Arbuscular Mycorrhizae and Elevated CO ₂ in Seedlings of a Tropical Tree, <i>Beilschmiedia pendula</i> . <i>Functional Ecology</i> , 1996, 10, 662.	1.7	56
96	Terrestrial-marine connectivity: Patterns of terrestrial soil carbon deposition in coastal sediments determined by analysis of glomalalin related soil protein. <i>Limnology and Oceanography</i> , 2012, 57, 1492-1502.	1.6	55
97	Reconsidering Ocean Calamities. <i>BioScience</i> , 2015, 65, 130-139.	2.2	55
98	Nutrient enrichment intensifies hurricane impact in scrub mangrove ecosystems in the Indian River Lagoon, Florida, USA. <i>Ecology</i> , 2015, 96, 2960-2972.	1.5	55
99	Photosynthetic characteristics of dwarf and fringe <i>Rhizophora mangle</i> L. in a Belizean mangrove. <i>Plant, Cell and Environment</i> , 2004, 27, 769-780.	2.8	53
100	Relationships among RNA:fDNA ratio, growth and elemental stoichiometry in mangrove trees. <i>Functional Ecology</i> , 2010, 24, 1064-1072.	1.7	53
101	The importance of small artificial water bodies as sources of methane emissions in Queensland, Australia. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 5281-5298.	1.9	53
102	Effects of elevated CO ₂ concentrations on photosynthesis, growth and reproduction of branches of the tropical canopy tree species, <i>Luehea seemannii</i> Tr. & Planch.. <i>Plant, Cell and Environment</i> , 1999, 22, 49-59.	2.8	52
103	Using eDNA to determine the source of organic carbon in seagrass meadows. <i>Limnology and Oceanography</i> , 2017, 62, 1254-1265.	1.6	52
104	Responses of communities of tropical tree species to elevated CO ₂ in a forest clearing. <i>Oecologia</i> , 1998, 116, 207-218.	0.9	50
105	Links between tree species, symbiotic fungal diversity and ecosystem functioning in simplified tropical ecosystems. <i>New Phytologist</i> , 2005, 167, 219-228.	3.5	50
106	Nitrogen fertilization enhances water-use efficiency in a saline environment. <i>Plant, Cell and Environment</i> , 2010, 33, 344-357.	2.8	50
107	The contrasting effects of nutrient enrichment on growth, biomass allocation and decomposition of plant tissue in coastal wetlands. <i>Plant and Soil</i> , 2017, 416, 193-204.	1.8	49
108	Land tenure considerations are key to successful mangrove restoration. <i>Nature Ecology and Evolution</i> , 2019, 3, 1135-1135.	3.4	49

#	ARTICLE	IF	CITATIONS
109	The effect of atmospheric carbon dioxide concentrations on the performance of the mangrove <i>Avicennia germinans</i> over a range of salinities. <i>Physiologia Plantarum</i> , 2015, 154, 358-368.	2.6	47
110	Photoinhibition in the Antarctic moss <i>Grimmia antarctici</i> Card when exposed to cycles of freezing and thawing. <i>Plant, Cell and Environment</i> , 1995, 18, 1395-1402.	2.8	46
111	Changes in ectomycorrhizal community structure on two containerized oak hosts across an experimental hydrologic gradient. <i>Mycorrhiza</i> , 2009, 19, 133-142.	1.3	46
112	Effect of geomorphological setting and rainfall on nutrient exchange in mangroves during tidal inundation. <i>Marine and Freshwater Research</i> , 2010, 61, 1197.	0.7	44
113	CHARACTER RELEASE FOLLOWING EXTINCTION IN A CARIBBEAN REEF CORAL SPECIES COMPLEX. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 479-501.	1.1	43
114	Fine root respiration in the mangrove <i>Rhizophora mangle</i> over variation in forest stature and nutrient availability. <i>Tree Physiology</i> , 2006, 26, 1601-1606.	1.4	43
115	Reconciling Development and Conservation under Coastal Squeeze from Rising Sea Level. <i>Conservation Letters</i> , 2016, 9, 361-368.	2.8	43
116	Influence of Salinity on Photosynthesis of Halophytes. , 2002, , 315-339.		42
117	Variation in wood density and anatomy in a widespread mangrove species. <i>Trees - Structure and Function</i> , 2012, 26, 1555-1563.	0.9	41
118	Water use patterns of estuarine vegetation in a tidal creek system. <i>Oecologia</i> , 2013, 172, 485-494.	0.9	41
119	Variable effects of nutrient enrichment on soil respiration in mangrove forests. <i>Plant and Soil</i> , 2014, 379, 135-148.	1.8	41
120	The effects of CO ₂ and nutrient fertilisation on the growth and temperature response of the mangrove <i>Avicennia germinans</i> . <i>Photosynthesis Research</i> , 2016, 129, 159-170.	1.6	41
121	Growth responses of seedlings of two neotropical pioneer species to simulated forest gap environments. <i>Journal of Tropical Ecology</i> , 1999, 15, 827-839.	0.5	40
122	Assessment of vegetation and soil conditions in restored mangroves interrupted by severe tropical typhoon "Chan-hom" in the Philippines. <i>Hydrobiologia</i> , 2014, 733, 85-102.	1.0	40
123	Effect of high sedimentation rates on surface sediment dynamics and mangrove growth in the Porong River, Indonesia. <i>Marine Pollution Bulletin</i> , 2016, 107, 355-363.	2.3	39
124	Oxygen Consumption and Sulfate Reduction in Vegetated Coastal Habitats: Effects of Physical Disturbance. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	39
125	Losses of Soil Organic Carbon with Deforestation in Mangroves of Madagascar. <i>Ecosystems</i> , 2021, 24, 1-19.	1.6	39
126	The response of the mangrove <i>Avicennia marina</i> to heterogeneous salinity measured using a split-root approach. <i>Plant and Soil</i> , 2015, 393, 297-305.	1.8	36

#	ARTICLE	IF	CITATIONS
127	Limits to seaward expansion of mangroves: Translating physical disturbance mechanisms into seedling survival gradients. <i>Journal of Experimental Marine Biology and Ecology</i> , 2015, 467, 16-25.	0.7	36
128	Photoinhibition in tropical forest understorey species with short- and long-lived leaves. <i>Functional Ecology</i> , 1998, 12, 553-560.	1.7	35
129	Costs and Opportunities for Preserving Coastal Wetlands under Sea Level Rise. <i>Conservation Letters</i> , 2017, 10, 49-57.	2.8	35
130	Carbon sequestration and fluxes of restored mangroves in abandoned aquaculture ponds. <i>Journal of the Indian Ocean Region</i> , 2019, 15, 177-192.	0.2	35
131	Factors Determining Seagrass Blue Carbon Across Bioregions and Geomorphologies. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2021GB006935.	1.9	34
132	Operationalizing marketable blue carbon. <i>One Earth</i> , 2022, 5, 485-492.	3.6	34
133	Global patterns of tree stem growth and stand aboveground wood production in mangrove forests. <i>Forest Ecology and Management</i> , 2019, 444, 382-392.	1.4	33
134	Vertical accretion and carbon burial rates in subtropical seagrass meadows increased following anthropogenic pressure from European colonisation. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 202, 40-53.	0.9	32
135	Groundwater enhances aboveground growth in mangroves. <i>Journal of Ecology</i> , 2019, 107, 1120-1128.	1.9	32
136	Financial incentives for large-scale wetland restoration: Beyond markets to common asset trusts. <i>One Earth</i> , 2021, 4, 937-950.	3.6	32
137	Integrating Climate and Ocean Change Vulnerability into Conservation Planning. <i>Coastal Management</i> , 2012, 40, 651-672.	1.0	32
138	Desiccation tolerance of three moss species from continental Antarctica. <i>Functional Plant Biology</i> , 2000, 27, 379.	1.1	31
139	Long-term versus daily stem diameter variation in co-occurring mangrove species: Environmental versus ecophysiological drivers. <i>Agricultural and Forest Meteorology</i> , 2014, 192-193, 51-58.	1.9	31
140	Variable nutrient stoichiometry (carbon:nitrogen:phosphorus) across trophic levels determines community and ecosystem properties in an oligotrophic mangrove system. <i>Oecologia</i> , 2015, 179, 863-876.	0.9	31
141	Predators Shape Sedimentary Organic Carbon Storage in a Coral Reef Ecosystem. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	1.1	31
142	March of the mangroves: Drivers of encroachment into southern temperate saltmarsh. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 240, 106776.	0.9	31
143	Estimating blue carbon sequestration under coastal management scenarios. <i>Science of the Total Environment</i> , 2021, 777, 145962.	3.9	31
144	Integration, synthesis and climate change adaptation: a narrative based on coastal wetlands at the regional scale. <i>Regional Environmental Change</i> , 2012, 12, 581-593.	1.4	30

#	ARTICLE	IF	CITATIONS
145	The effect of heterogeneous soil bulk density on root growth of field-grown mangrove species. <i>Plant and Soil</i> , 2018, 432, 91-105.	1.8	30
146	Harvesting water from unsaturated atmospheres: deliquescence of salt secreted onto leaf surfaces drives reverse sap flow in a dominant arid climate mangrove, <i>Avicennia marina</i> . <i>New Phytologist</i> , 2021, 231, 1401-1414.	3.5	30
147	The Ecology and Management of Temperate Mangroves. , 2010, , 43-160.		30
148	Sediment Processes and Mangrove-Habitat Expansion on a Rapidly-Prograding Muddy Coast, New Zealand. , 2007, , .		29
149	Insuring Mangrove Forests for Their Role in Mitigating Coastal Erosion and Storm -Surge: An Australian Case Study. <i>Wetlands</i> , 2013, 33, 279-289.	0.7	29
150	Mangrove forests under climate change in a 2°C world. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2022, 13, .	3.6	29
151	HETEROGENEITY IN INOCULUM POTENTIAL AND EFFECTIVENESS OF ARBUSCULAR MYCORRHIZAL FUNGI. <i>Ecology</i> , 2002, 83, 823-832.	1.5	28
152	The effects of nutrient availability on tolerance to herbivory in a brown seaweed. <i>Journal of Ecology</i> , 2011, 99, 1540-1550.	1.9	28
153	Reducing risk in reserve selection using Modern Portfolio Theory: Coastal planning under sea-level rise. <i>Journal of Applied Ecology</i> , 2018, 55, 2193-2203.	1.9	28
154	Blue Restoration “ Building Confidence and Overcoming Barriers. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	28
155	Growth responses of seedlings of early and late successional tropical forest trees to elevated atmospheric CO ₂ . <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 1999, 194, 221-227.	0.6	27
156	Elemental composition and productivity of cyanobacterial mats in an arid zone estuary in north Western Australia. <i>Wetlands Ecology and Management</i> , 2010, 18, 37-47.	0.7	27
157	The effect of nutrient enrichment on the growth, nucleic acid concentrations, and elemental stoichiometry of coral reef macroalgae. <i>Ecology and Evolution</i> , 2012, 2, 1985-1995.	0.8	27
158	Conservation of Blue Carbon Ecosystems for Climate Change Mitigation and Adaptation. , 2019, , 965-996.		27
159	Responses of model communities of two tropical tree species to elevated atmospheric CO ₂ : growth on unfertilized soil. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2000, 195, 289-302.	0.6	26
160	Novelty Trumps Loss in Global Biodiversity. <i>Science</i> , 2014, 344, 266-267.	6.0	26
161	Historical analysis of mangrove leaf traits throughout the 19th and 20th centuries reveals differential responses to increases in atmospheric CO ₂ . <i>Global Ecology and Biogeography</i> , 2014, 23, 1209-1214.	2.7	26
162	Moving beyond the conceptual: specificity in regional climate change adaptation actions for biodiversity in South East Queensland, Australia. <i>Regional Environmental Change</i> , 2014, 14, 435-447.	1.4	26

#	ARTICLE	IF	CITATIONS
163	Carbon Budgets for Caribbean Mangrove Forests of Varying Structure and with Phosphorus Enrichment. <i>Forests</i> , 2015, 6, 3528-3546.	0.9	26
164	Isotopic signatures of stem water reveal differences in water sources accessed by mangrove tree species. <i>Hydrobiologia</i> , 2017, 803, 133-145.	1.0	26
165	Natural and Regenerated Saltmarshes Exhibit Similar Soil and Belowground Organic Carbon Stocks, Root Production and Soil Respiration. <i>Ecosystems</i> , 2019, 22, 1803-1822.	1.6	25
166	Major drivers of coastal aquaculture expansion in Southeast Asia. <i>Ocean and Coastal Management</i> , 2020, 198, 105364.	2.0	25
167	An Australian blue carbon method to estimate climate change mitigation benefits of coastal wetland restoration. <i>Restoration Ecology</i> , 2023, 31, .	1.4	25
168	Effects of Elevated CO ₂ and Defoliation on Compensatory Growth and Photosynthesis of Seedlings in a Tropical Tree, <i>Copaifera aromatica</i> L. <i>Biotropica</i> , 1999, 31, 279-287.	0.8	24
169	Latitudinal Patterns of Herbivory in Mangrove Forests: Consequences of Nutrient Over-Enrichment. <i>Ecosystems</i> , 2013, 16, 1203-1215.	1.6	24
170	The effects of elevated CO ₂ and eutrophication on surface elevation gain in a European salt marsh. <i>Global Change Biology</i> , 2017, 23, 881-890.	4.2	24
171	Landscape Evolution of a Fluvial Sediment-Rich <i>Avicennia marina</i> Mangrove Forest: Insights from Seasonal and Inter-annual Surface-Elevation Dynamics. <i>Ecosystems</i> , 2019, 22, 1232-1255.	1.6	24
172	Modelling above ground biomass accumulation of mangrove plantations in Vietnam. <i>Forest Ecology and Management</i> , 2019, 432, 376-386.	1.4	24
173	The interplay between vegetation and water in mangroves: new perspectives for mangrove stand modelling and ecological research. <i>Wetlands Ecology and Management</i> , 2020, 28, 697-712.	0.7	24
174	National scale predictions of contemporary and future blue carbon storage. <i>Science of the Total Environment</i> , 2021, 800, 149573.	3.9	24
175	Maps, laws and planning policy: Working with biophysical and spatial uncertainty in the case of sea level rise. <i>Environmental Science and Policy</i> , 2014, 44, 247-257.	2.4	23
176	Symbiotic Vesicular-Arbuscular Mycorrhizae Influence Maximum Rates of Photosynthesis in Tropical Tree Seedlings Grown Under Elevated CO ₂ . <i>Functional Plant Biology</i> , 1997, 24, 185.	1.1	23
177	Ambitious global targets for mangrove and seagrass recovery. <i>Current Biology</i> , 2022, 32, 1641-1649.e3.	1.8	23
178	Evaluating deep subsidence in a rapidly-accreting mangrove forest using GPS monitoring of surface-elevation benchmarks and sedimentary records. <i>Marine Geology</i> , 2016, 380, 205-218.	0.9	22
179	The effect of structurally complex corals and herbivory on the dynamics of <i>Halimeda</i> . <i>Coral Reefs</i> , 2016, 35, 597-609.	0.9	21
180	Avoided emissions and conservation of scrub mangroves: potential for a Blue Carbon project in the Gulf of California, Mexico. <i>Biology Letters</i> , 2018, 14, 20180400.	1.0	21

#	ARTICLE	IF	CITATIONS
181	THE USE OF NEAR INFRARED REFLECTANCE SPECTROMETRY FOR CHARACTERIZATION OF BROWN ALGAL TISSUE1. <i>Journal of Phycology</i> , 2010, 46, 937-946.	1.0	20
182	Mammalian herbivores in Australia transport nutrients from terrestrial to marine ecosystems via mangroves. <i>Journal of Tropical Ecology</i> , 2014, 30, 179-188.	0.5	20
183	Ecological effects of non-native species in marine ecosystems relate to co-occurring anthropogenic pressures. <i>Global Change Biology</i> , 2020, 26, 1248-1258.	4.2	20
184	Differential responses of the mangrove <i>Avicennia marina</i> to salinity and abscisic acid. <i>Functional Plant Biology</i> , 2012, 39, 1038.	1.1	19
185	Investing in Blue Natural Capital to Secure a Future for the Red Sea Ecosystems. <i>Frontiers in Marine Science</i> , 2021, 7, .	1.2	19
186	Influence of temporospatial variation in sap flux density on estimates of whole-tree water use in <i>Avicennia marina</i> . <i>Trees - Structure and Function</i> , 2015, 29, 215-222.	0.9	18
187	Opportunities for coastal wetland restoration for blue carbon with co-benefits for biodiversity, coastal fisheries, and water quality. <i>Ecosystem Services</i> , 2022, 55, 101423.	2.3	18
188	Legal barriers and enablers for reintroducing tides: An Australian case study in reconvertng ponded pasture for climate change mitigation. <i>Land Use Policy</i> , 2019, 88, 104192.	2.5	17
189	Impact of an extreme monsoon on CO ₂ and CH ₄ fluxes from mangrove soils of the Ayeyarwady Delta, Myanmar. <i>Science of the Total Environment</i> , 2021, 760, 143422.	3.9	17
190	Sensitivity of dissolved organic carbon exchange and sediment bacteria to water quality in mangrove forests. <i>Hydrobiologia</i> , 2012, 691, 239-253.	1.0	16
191	The cost and feasibility of marine coastal restoration. , 0, , .		16
192	Benthic meiofaunal community response to the cascading effects of herbivory within an algal halo system of the Great Barrier Reef. <i>PLoS ONE</i> , 2018, 13, e0193932.	1.1	16
193	Climate-driven impacts of exotic species on marine ecosystems. <i>Global Ecology and Biogeography</i> , 2021, 30, 1043-1055.	2.7	16
194	Policy solutions to facilitate restoration in coastal marine environments. <i>Marine Policy</i> , 2021, 134, 104789.	1.5	16
195	Radiocarbon Dating and Wood Density Chronologies of Mangrove Trees in Arid Western Australia. <i>PLoS ONE</i> , 2013, 8, e80116.	1.1	16
196	Modeled approaches to estimating blue carbon accumulation with mangrove restoration to support a blue carbon accounting method for Australia. <i>Limnology and Oceanography</i> , 2022, 67, .	1.6	16
197	Integrating blue: How do we make nationally determined contributions work for both blue carbon and local coastal communities?. <i>Ambio</i> , 2022, 51, 1978-1993.	2.8	16
198	The anatomical basis of the link between density and mechanical strength in mangrove branches. <i>Functional Plant Biology</i> , 2013, 40, 400.	1.1	15

#	ARTICLE	IF	CITATIONS
199	“Blue carbon”™ projects for the collective good. <i>Carbon Management</i> , 2013, 4, 477-479.	1.2	15
200	Landcover change in mangroves of Fiji: Implications for climate change mitigation and adaptation in the Pacific. <i>Environmental Challenges</i> , 2021, 2, 100018.	2.0	15
201	Spatial and temporal variability of seagrass at Lizard Island, Great Barrier Reef. <i>Botanica Marina</i> , 2015, 58, 35-49.	0.6	14
202	The roots of blue carbon: responses of mangrove stilt roots to variation in soil bulk density. <i>Biology Letters</i> , 2019, 15, 20180866.	1.0	14
203	Regional variation in $\delta^{13}C$ of coral reef macroalgae. <i>Limnology and Oceanography</i> , 2020, 65, 2291-2302.	1.6	14
204	Blue carbon from the past forecasts the future. <i>Science</i> , 2020, 368, 1050-1052.	6.0	14
205	Reconstructing extreme climatic and geochemical conditions during the largest natural mangrove dieback on record. <i>Biogeosciences</i> , 2020, 17, 4707-4726.	1.3	14
206	Ecological development of mangrove plantations in the Bangladesh Delta. <i>Forest Ecology and Management</i> , 2022, 517, 120269.	1.4	14
207	A Guide to International Climate Mitigation Policy and Finance Frameworks Relevant to the Protection and Restoration of Blue Carbon Ecosystems. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	14
208	Short-lived effects of nutrient enrichment on <i>Avicennia germinans</i> decomposition in a saltmarsh-mangrove ecotone. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 235, 106598.	0.9	13
209	Future-proofing conservation priorities for sea level rise in coastal urban ecosystems. <i>Biological Conservation</i> , 2021, 260, 109190.	1.9	13
210	Climate change mitigation and improvement of water quality from the restoration of a subtropical coastal wetland. <i>Ecological Applications</i> , 2022, 32, e2620.	1.8	13
211	Spatial cost-benefit analysis of blue restoration and factors driving net benefits globally. <i>Conservation Biology</i> , 2021, 35, 1850-1860.	2.4	12
212	Current and future carbon stocks in coastal wetlands within the Great Barrier Reef catchments. <i>Global Change Biology</i> , 2021, 27, 3257-3271.	4.2	12
213	Ecosystem type drives tea litter decomposition and associated prokaryotic microbiome communities in freshwater and coastal wetlands at a continental scale. <i>Science of the Total Environment</i> , 2021, 782, 146819.	3.9	12
214	Macroalgal species richness and assemblage composition of the Great Barrier Reef seabed. <i>Marine Ecology - Progress Series</i> , 2013, 492, 69-83.	0.9	12
215	The impact of a locust plague on mangroves of the arid Western Australia coast. <i>Journal of Tropical Ecology</i> , 2012, 28, 307-311.	0.5	11
216	Variation in the elemental stoichiometry of the coral-zooxanthellae symbiosis. <i>Coral Reefs</i> , 2020, 39, 1071-1079.	0.9	11

#	ARTICLE	IF	CITATIONS
217	Contrasting Effects of Local Environmental and Biogeographic Factors on the Composition and Structure of Bacterial Communities in Arid Monospecific Mangrove Soils. <i>Microbiology Spectrum</i> , 2022, 10, e0090321.	1.2	11
218	Soil Structure and Its Relationship to Shallow Soil Subsidence in Coastal Wetlands. <i>Estuaries and Coasts</i> , 2019, 42, 2114-2123.	1.0	10
219	Effects of crab burrows on sediment characteristics in a <i>Cerriops australis</i> -dominated mangrove forest. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 218, 334-339.	0.9	10
220	High variance in community structure and ecosystem carbon stocks of Fijian mangroves driven by differences in geomorphology and climate. <i>Environmental Research</i> , 2021, 192, 110213.	3.7	10
221	Modelling mangrove forest structure and species composition over tidal inundation gradients: The feedback between plant water use and porewater salinity in an arid mangrove ecosystem. <i>Agricultural and Forest Meteorology</i> , 2021, 308-309, 108547.	1.9	10
222	Maximising resilience to sea-level rise in urban coastal ecosystems through systematic conservation planning. <i>Landscape and Urban Planning</i> , 2022, 221, 104374.	3.4	10
223	Growth and physiology of nuisance alga <i>Hinckia sordida</i> during a bloom in South East Queensland, Australia. <i>Journal of Experimental Marine Biology and Ecology</i> , 2008, 363, 84-88.	0.7	9
224	Short-term microbial respiration in an arid zone mangrove soil is limited by availability of gallic acid, phosphorus and ammonium. <i>Soil Biology and Biochemistry</i> , 2017, 115, 73-81.	4.2	9
225	Seagrass Organic Carbon Stocks Show Minimal Variation Over Short Time Scales in a Heterogeneous Subtropical Seascape. <i>Estuaries and Coasts</i> , 2018, 41, 1732-1743.	1.0	9
226	<i>Pandanus</i> nutshell generates a palaeoprecipitation record for human occupation at Madjedbebe, northern Australia. <i>Nature Ecology and Evolution</i> , 2021, 5, 295-303.	3.4	9
227	Nutrient exchange of extensive cyanobacterial mats in an arid subtropical wetland. <i>Marine and Freshwater Research</i> , 2012, 63, 457.	0.7	8
228	Variation in elemental stoichiometry and $\text{RNA}:\text{DNA}$ in four phyla of benthic organisms from coral reefs. <i>Functional Ecology</i> , 2014, 28, 1299-1309.	1.7	8
229	Night and day: Shrinking and swelling of stems of diverse mangrove species growing along environmental gradients. <i>PLoS ONE</i> , 2019, 14, e0221950.	1.1	8
230	SDG 14: Life below Water – Impacts on Mangroves. , 2019, , 445-481.		8
231	Comparison of sediment-plate methods to measure accretion rates in an estuarine mangrove forest (New Zealand). <i>Estuarine, Coastal and Shelf Science</i> , 2020, 236, 106642.	0.9	8
232	Partial canopy loss of mangrove trees: Mitigating water scarcity by physical adaptation and feedback on porewater salinity. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 248, 106797.	0.9	8
233	Modelling blue carbon farming opportunities at different spatial scales. <i>Journal of Environmental Management</i> , 2022, 301, 113813.	3.8	8
234	Plasticity in the Above- and Below-Ground Development of Mangrove Seedlings in Response to Variation in Soil Bulk Density. <i>Estuaries and Coasts</i> , 2020, 43, 111-119.	1.0	7

#	ARTICLE	IF	CITATIONS
235	Organic Carbon Stocks of Mexican Montane Habitats: Variation Among Vegetation Types and Land-Use. <i>Frontiers in Environmental Science</i> , 2020, 8, .	1.5	7
236	Limited relationships between mangrove forest structure and hydro-edaphic conditions in subtropical Queensland, Australia. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 248, 106930.	0.9	7
237	Plantâ€‘soil feedbacks in mangrove ecosystems: establishing links between empirical and modelling studies. <i>Trees - Structure and Function</i> , 2021, 35, 1423-1438.	0.9	7
238	Large conservation opportunities exist in >90% of tropic-subtropic coastal habitats adjacent to cities. <i>One Earth</i> , 2021, 4, 1004-1015.	3.6	7
239	Vulnerability of an arid zone coastal wetland landscape to sea level rise and intense storms. <i>Limnology and Oceanography</i> , 2021, 66, 3976-3989.	1.6	7
240	Rolling covenants to protect coastal ecosystems in the face of seaâ€‘level rise. <i>Conservation Science and Practice</i> , 2022, 4, e593.	0.9	7
241	Interactive effects of climate and nutrient enrichment on patterns of herbivory by different feeding guilds in mangrove forests. <i>Global Ecology and Biogeography</i> , 2017, 26, 1326-1338.	2.7	6
242	Decomposition of mangrove roots depends on the bulk density they grew in. <i>Plant and Soil</i> , 2021, 460, 177-187.	1.8	6
243	Adapting to climate change in South East Queensland, Australia. <i>Regional Environmental Change</i> , 2014, 14, 429-433.	1.4	5
244	Nitrogen sharing and water source partitioning co-occur in estuarine wetlands. <i>Functional Plant Biology</i> , 2015, 42, 410.	1.1	5
245	Are the ecological effects of the â€‘worstâ€‘marine invasive species linked with scientific and media attention?. <i>PLoS ONE</i> , 2019, 14, e0215691.	1.1	5
246	Drivers of bacterial diversity along a natural transect from freshwater to saline subtropical wetlands. <i>Science of the Total Environment</i> , 2021, 759, 143455.	3.9	5
247	Nature-based solutions for atoll habitability. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, 20210124.	1.8	5
248	Seagrass morphometrics at species level in Moreton Bay, Australia from 2012 to 2013. <i>Scientific Data</i> , 2017, 4, 170060.	2.4	4
249	Response to â€‘Rebutting the inclined analyses on the costâ€‘effectiveness and feasibility of coral reef restorationâ€‘. <i>Ecological Applications</i> , 2017, 27, 1974-1980.	1.8	3
250	Decreasing carbonate load of seagrass leaves with increasing latitude. <i>Aquatic Botany</i> , 2019, 159, 103147.	0.8	3
251	Ocean Calamities: Delineating the Boundaries between Scientific Evidence and Belief. <i>BioScience</i> , 2015, 65, 746-747.	2.2	2
252	Factors affecting tolerance to herbivory in a calcifying alga on coral reefs. <i>Marine Biology</i> , 2017, 164, 1.	0.7	2

#	ARTICLE	IF	CITATIONS
253	Drivers of habitat partitioning among three <i>Quercus</i> species along a hydrologic gradient. <i>Tree Physiology</i> , 2020, 40, 142-157.	1.4	2
254	Managing sediment dynamics through reintroduction of tidal flow for mangrove restoration in abandoned aquaculture ponds. , 2021, , 563-582.		2
255	Climate Regulation: Salt Marshes and Blue Carbon. , 2018, , 1185-1196.		2
256	Observations of the Photosynthetic Physiology of Tree Species within the C3 Monocotyledon Genus <i>Pandanus</i> , and Comparison with Dicotyledon C3 Tree Species. <i>Australian Journal of Botany</i> , 1998, 46, 103.	0.3	1
257	CHARACTER RELEASE FOLLOWING EXTINCTION IN A CARIBBEAN REEF CORAL SPECIES COMPLEX. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 479.	1.1	1
258	Reply to: Indiscriminate data aggregation in ecological meta-analysis underestimates impacts of invasive species. <i>Nature Ecology and Evolution</i> , 2020, 4, 315-317.	3.4	1
259	Accommodating complexities: Enhancing understanding of the impacts of sea-level rise. A commentary on Kerrylee Rogers's "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, 190-193.	0.6	1
260	Climate Regulation: Salt Marshes and Blue Carbon. , 2016, , 1-12.		1
261	INFLUENCE OF SPATIAL VARIATION IN SAP FLUX DENSITY ON ESTIMATES OF WHOLE-TREE WATER USE IN <i>AVICENNIA MARINA</i> . <i>Acta Horticulturae</i> , 2013, , 101-106.	0.1	0