

# Edward Castaeda-Moya

## List of Publications by Citations

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45  
papers

2,333  
citations

20  
h-index

48  
g-index

48  
ext. papers

2,860  
ext. citations

5.7  
avg, IF

4.73  
L-index

#	Paper	IF	Citations
45	Mangrove production and carbon sinks: A revision of global budget estimates. <i>Global Biogeochemical Cycles</i> , <b>2008</b> , 22, n/a-n/a	5.9	624
44	Mapping Height and Biomass of Mangrove Forests in Everglades National Park with SRTM Elevation Data. <i>Photogrammetric Engineering and Remote Sensing</i> , <b>2006</b> , 72, 299-311	1.6	199
43	Mangrove canopy height globally related to precipitation, temperature and cyclone frequency. <i>Nature Geoscience</i> , <b>2019</b> , 12, 40-45	18.3	159
42	BioTIME: A database of biodiversity time series for the Anthropocene. <i>Global Ecology and Biogeography</i> , <b>2018</b> , 27, 760-786	6.1	153
41	Global controls on carbon storage in mangrove soils. <i>Nature Climate Change</i> , <b>2018</b> , 8, 534-538	21.4	132
40	Patterns of Root Dynamics in Mangrove Forests Along Environmental Gradients in the Florida Coastal Everglades, USA. <i>Ecosystems</i> , <b>2011</b> , 14, 1178-1195	3.9	123
39	Allocation of biomass and net primary productivity of mangrove forests along environmental gradients in the Florida Coastal Everglades, USA. <i>Forest Ecology and Management</i> , <b>2013</b> , 307, 226-241	3.9	114
38	A systematic method for 3D mapping of mangrove forests based on Shuttle Radar Topography Mission elevation data, ICESat/GLAS waveforms and field data: Application to Ciénaga Grande de Santa Marta, Colombia. <i>Remote Sensing of Environment</i> , <b>2008</b> , 112, 2131-2144	13.2	113
37	Sediment and Nutrient Deposition Associated with Hurricane Wilma in Mangroves of the Florida Coastal Everglades. <i>Estuaries and Coasts</i> , <b>2010</b> , 33, 45-58	2.8	102
36	Scaling mangrove aboveground biomass from site-level to continental-scale. <i>Global Ecology and Biogeography</i> , <b>2016</b> , 25, 286-298	6.1	59
35	The role of economic, policy, and ecological factors in estimating the value of carbon stocks in Everglades mangrove forests, South Florida, USA. <i>Environmental Science and Policy</i> , <b>2016</b> , 66, 160-169	6.2	57
34	The Role of the Everglades Mangrove Ecotone Region (EMER) in Regulating Nutrient Cycling and Wetland Productivity in South Florida. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2011</b> , 41, 633-669	11.1	55
33	Denitrification in coastal Louisiana: A spatial assessment and research needs. <i>Journal of Sea Research</i> , <b>2010</b> , 63, 157-172	1.9	45
32	Mangrove zonation in the dry life zone of the Gulf of Fonseca, Honduras. <i>Estuaries and Coasts</i> , <b>2006</b> , 29, 751-764	2.8	41
31	Assessment of Everglades mangrove forest resilience: Implications for above-ground net primary productivity and carbon dynamics. <i>Forest Ecology and Management</i> , <b>2017</b> , 404, 115-125	3.9	38
30	Partitioning the relative contributions of organic matter and mineral sediment to accretion rates in carbonate platform mangrove soils. <i>Marine Geology</i> , <b>2017</b> , 390, 170-180	3.3	33
29	Channel-Island Connectivity Affects Water Exposure Time Distributions in a Coastal River Delta. <i>Water Resources Research</i> , <b>2018</b> , 54, 2212-2232	5.4	28

28	Hurricanes fertilize mangrove forests in the Gulf of Mexico (Florida Everglades, USA). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 4831-4841	11.5	27
27	Salinity and Chlorophyll a as Performance Measures to Rehabilitate a Mangrove-Dominated Deltaic Coastal Region: the Ciénaga Grande de Santa Marta/Pajarales Lagoon Complex, Colombia. <i>Estuaries and Coasts</i> , <b>2011</b> , 34, 1-19	2.8	27
26	Ecogeomorphology of coastal deltaic floodplains and estuaries in an active delta: Insights from the Atchafalaya Coastal Basin. <i>Estuarine, Coastal and Shelf Science</i> , <b>2019</b> , 227, 106341	2.9	21
25	Long-term demography and stem productivity of Everglades mangrove forests (Florida, USA): Resistance to hurricane disturbance. <i>Forest Ecology and Management</i> , <b>2019</b> , 440, 79-91	3.9	17
24	Productivity and Carbon Dynamics in Mangrove Wetlands <b>2017</b> , 113-162		15
23	High-resolution mapping of biomass and distribution of marsh and forested wetlands in southeastern coastal Louisiana. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2019</b> , 80, 257-267	7.3	14
22	Spatial variability of mangrove primary productivity in the neotropics. <i>Ecosphere</i> , <b>2019</b> , 10, e02841	3.1	13
21	Integrating Imaging Spectrometer and Synthetic Aperture Radar Data for Estimating Wetland Vegetation Aboveground Biomass in Coastal Louisiana. <i>Remote Sensing</i> , <b>2019</b> , 11, 2533	5	13
20	Current Methods to Evaluate Net Primary Production and Carbon Budgets in Mangrove Forests. <i>Soil Science Society of America Book Series</i> , <b>2015</b> , 243-288		11
19	Storm surge and ponding explain mangrove dieback in southwest Florida following Hurricane Irma. <i>Nature Communications</i> , <b>2021</b> , 12, 4003	17.4	10
18	Why Do We Need to Document and Conserve Foundation Species in Freshwater Wetlands?. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 265	3	9
17	Macroecological patterns of forest structure and allometric scaling in mangrove forests. <i>Global Ecology and Biogeography</i> , <b>2021</b> , 30, 1000-1013	6.1	9
16	Inter-annual hydroclimatic variability in coastal Tanzania. <i>International Journal of Climatology</i> , <b>2019</b> , 39, 4736-4750	3.5	8
15	Disturbance legacies increase and synchronize nutrient concentrations and bacterial productivity in coastal ecosystems. <i>Ecology</i> , <b>2020</b> , 101, e02988	4.6	8
14	Mangrove Biogeochemistry at Local to Global Scales Using Ecogeomorphic Approaches <b>2019</b> , 717-785		8
13	Episodic disturbances drive nutrient dynamics along freshwater-to-estuary gradients in a subtropical wetland. <i>Ecosphere</i> , <b>2018</b> , 9, e02296	3.1	8
12	New perspectives on an iconic landscape from comparative international long-term ecological research. <i>Ecosphere</i> , <b>2015</b> , 6, art181	3.1	7
11	Modeling soil porewater salinity in mangrove forests (Everglades, Florida, USA) impacted by hydrological restoration and a warming climate. <i>Ecological Modelling</i> , <b>2020</b> , 436, 109292	3	7

10	Storm surge, not wind, caused mangrove dieback in southwest Florida following Hurricane Irma		6
9	Simulating hydrological connectivity and water age within a coastal deltaic floodplain of the Mississippi River Delta. <i>Estuarine, Coastal and Shelf Science</i> , <b>2020</b> , 245, 106995	2.9	6
8	Hydroperiod and Salinity Interactions Control Mangrove Root Dynamics in a Karstic Oceanic Island in the Caribbean Sea (San Andres, Colombia). <i>Frontiers in Marine Science</i> , 7,	4.5	4
7	Time lags: insights from the U.S. Long Term Ecological Research Network. <i>Ecosphere</i> , <b>2021</b> , 12, e03431	3.1	2
6	Biogeochemical and Hydrological Variables Synergistically Influence Nitrate Variability in Coastal Deltaic Wetlands. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2021</b> , 126, e2020JG005737	3.7	2
5	Collaborative Research Across Boundaries: Mangrove Ecosystem Services and Poverty Traps as a Coupled Natural-Human System <b>2019</b> , 115-152		1
4	Using Shuttle Radar Topography Mission Elevation Data to Map Mangrove Forest Height in the Caribbean <b>2006</b> ,		1
3	Dissimilatory nitrate reduction to ammonium (DNRA) is marginal relative to denitrification in emerging-eroding wetlands in a subtropical oligohaline and eutrophic coastal delta.. <i>Science of the Total Environment</i> , <b>2022</b> , 819, 152942	10.2	1
2	Tropical cyclones cumulatively control regional carbon fluxes in Everglades mangrove wetlands (Florida, USA). <i>Scientific Reports</i> , <b>2021</b> , 11, 13927	4.9	1
1	Evaluating a Steady-State Model of Soil Accretion in Everglades Mangroves (Florida, USA). <i>Estuaries and Coasts</i> , <b>2021</b> , 44, 1469-1476	2.8	1