

Edward Castañeda-Moya

List of Publications by Year in descending order

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46
papers

3,387
citations

257357

24
h-index

276775

41
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48
all docs

48
docs citations

48
times ranked

4062
citing authors

#	ARTICLE	IF	CITATIONS
1	Mangrove production and carbon sinks: A revision of global budget estimates. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	1.9	812
2	BioTIME: A database of biodiversity time series for the Anthropocene. <i>Global Ecology and Biogeography</i> , 2018, 27, 760-786.	2.7	289
3	Mangrove canopy height globally related to precipitation, temperature and cyclone frequency. <i>Nature Geoscience</i> , 2019, 12, 40-45.	5.4	279
4	Mapping Height and Biomass of Mangrove Forests in Everglades National Park with SRTM Elevation Data. <i>Photogrammetric Engineering and Remote Sensing</i> , 2006, 72, 299-311.	0.3	240
5	Global controls on carbon storage in mangrove soils. <i>Nature Climate Change</i> , 2018, 8, 534-538.	8.1	216
6	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> , 2013, 307, 226-241.	1.4	157
7	Patterns of Root Dynamics in Mangrove Forests Along Environmental Gradients in the Florida Coastal Everglades, USA. <i>Ecosystems</i> , 2011, 14, 1178-1195.	1.6	145
8	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> , 2008, 112, 2131-2144.	4.6	139
9	Sediment and Nutrient Deposition Associated with Hurricane Wilma in Mangroves of the Florida Coastal Everglades. <i>Estuaries and Coasts</i> , 2010, 33, 45-58.	1.0	127
10	Scaling mangrove aboveground biomass from site-level to continental-scale. <i>Global Ecology and Biogeography</i> , 2016, 25, 286-298.	2.7	73
11	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> , 2016, 66, 160-169.	2.4	72
12	Storm surge and ponding explain mangrove dieback in southwest Florida following Hurricane Irma. <i>Nature Communications</i> , 2021, 12, 4003.	5.8	66
13	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> , 2011, 41, 633-669.	6.6	64
14	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> , 2020, 117, 4831-4841.	3.3	61
15	Denitrification in coastal Louisiana: A spatial assessment and research needs. <i>Journal of Sea Research</i> , 2010, 63, 157-172.	0.6	51
16	Assessment of Everglades mangrove forest resilience: Implications for above-ground net primary productivity and carbon dynamics. <i>Forest Ecology and Management</i> , 2017, 404, 115-125.	1.4	48
17	Mangrove zonation in the dry life zone of the Gulf of Fonseca, Honduras. <i>Estuaries and Coasts</i> , 2006, 29, 751-764.	1.0	46
18	Partitioning the relative contributions of organic matter and mineral sediment to accretion rates in carbonate platform mangrove soils. <i>Marine Geology</i> , 2017, 390, 170-180.	0.9	46

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19	Channel-Island Connectivity Affects Water Exposure Time Distributions in a Coastal River Delta. <i>Water Resources Research</i> , 2018, 54, 2212-2232.	1.7	43
20	Spatial variability of mangrove primary productivity in the neotropics. <i>Ecosphere</i> , 2019, 10, e02841.	1.0	36
21	Ecogeomorphology of coastal deltaic floodplains and estuaries in an active delta: Insights from the Atchafalaya Coastal Basin. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 227, 106341.	0.9	35
22	Macroecological patterns of forest structure and allometric scaling in mangrove forests. <i>Global Ecology and Biogeography</i> , 2021, 30, 1000-1013.	2.7	32
23	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> , 2011, 34, 1-19.	1.0	30
24	Productivity and Carbon Dynamics in Mangrove Wetlands. , 2017, , 113-162.		28
25	Long-term demography and stem productivity of Everglades mangrove forests (Florida, USA): Resistance to hurricane disturbance. <i>Forest Ecology and Management</i> , 2019, 440, 79-91.	1.4	27
26	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> , 2019, 80, 257-267.	1.4	23
27	Integrating Imaging Spectrometer and Synthetic Aperture Radar Data for Estimating Wetland Vegetation Aboveground Biomass in Coastal Louisiana. <i>Remote Sensing</i> , 2019, 11, 2533.	1.8	20
28	Simulating hydrological connectivity and water age within a coastal deltaic floodplain of the Mississippi River Delta. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 245, 106995.	0.9	16
29	Disturbance legacies increase and synchronize nutrient concentrations and bacterial productivity in coastal ecosystems. <i>Ecology</i> , 2020, 101, e02988.	1.5	16
30	Time lags: insights from the U.S. Long Term Ecological Research Network. <i>Ecosphere</i> , 2021, 12, e03431.	1.0	16
31	Modeling soil porewater salinity in mangrove forests (Everglades, Florida, USA) impacted by hydrological restoration and a warming climate. <i>Ecological Modelling</i> , 2020, 436, 109292.	1.2	15
32	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> , 2021, 7, .	1.2	14
33	Current Methods to Evaluate Net Primary Production and Carbon Budgets in Mangrove Forests. <i>Soil Science Society of America Book Series</i> , 0, , 243-288.	0.3	13
34	Inter-annual hydroclimatic variability in coastal Tanzania. <i>International Journal of Climatology</i> , 2019, 39, 4736-4750.	1.5	11
35	Mangrove Biogeochemistry at Local to Global Scales Using Ecogeomorphic Approaches. , 2019, , 717-785.		11
36	Why Do We Need to Document and Conserve Foundation Species in Freshwater Wetlands?. <i>Water (Switzerland)</i> , 2019, 11, 265.	1.2	10

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37	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> , 2022, 819, 152942.	3.9	10
38	New perspectives on an iconic landscape from comparative international long-term ecological research. <i>Ecosphere</i> , 2015, 6, 1-18.	1.0	9
39	Episodic disturbances drive nutrient dynamics along freshwater-estuary gradients in a subtropical wetland. <i>Ecosphere</i> , 2018, 9, e02296.	1.0	9
40	Tropical cyclones cumulatively control regional carbon fluxes in Everglades mangrove wetlands (Florida, USA). <i>Scientific Reports</i> , 2021, 11, 13927.	1.6	9
41	Biogeochemical and Hydrological Variables Synergistically Influence Nitrate Variability in Coastal Deltaic Wetlands. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2021, 126, e2020JG005737.	1.3	5
42	Temperature Across Vegetation Canopy-Water-Soil Interfaces Is Modulated by Hydroperiod and Extreme Weather in Coastal Wetlands. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	4
43	Water levels primarily drive variation in photosynthesis and nutrient use of scrub Red Mangroves in the southeastern Florida Everglades. <i>Tree Physiology</i> , 2022, 42, 797-814.	1.4	3
44	Evaluating a Steady-State Model of Soil Accretion in Everglades Mangroves (Florida, USA). <i>Estuaries and Coasts</i> , 2021, 44, 1469-1476.	1.0	2
45	Collaborative Research Across Boundaries: Mangrove Ecosystem Services and Poverty Traps as a Coupled Natural-Human System. , 2019, , 115-152.		1
46	Using Shuttle Radar Topography Mission Elevation Data to Map Mangrove Forest Height in the Caribbean. , 2006, , .		1