

Neil Ganju

List of Publications by Year in descending order

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83
papers

2,991
citations

186209

28
h-index

197736

49
g-index

112
all docs

112
docs citations

112
times ranked

2749
citing authors

#	ARTICLE	IF	CITATIONS
1	How Much Marsh Restoration Is Enough to Deliver Wave Attenuation Coastal Protection Benefits?. <i>Frontiers in Marine Science</i> , 2022, 8, .	1.2	2
2	Modeling the Dynamics of Salt Marsh Development in Coastal Land Reclamation. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	5
3	Development and Application of Landsat-Based Wetland Vegetation Cover and UnVegetated-Vegetated Marsh Ratio (UVVR) for the Conterminous United States. <i>Estuaries and Coasts</i> , 2022, 45, 1861-1878.	1.0	9
4	Variability in marsh migration potential determined by topographic rather than anthropogenic constraints in the Chesapeake Bay region. <i>Limnology and Oceanography Letters</i> , 2022, 7, 321-331.	1.6	15
5	Sediment Dynamics of a Divergent Bayâ€™Marsh Complex. <i>Estuaries and Coasts</i> , 2021, 44, 1216-1230.	1.0	9
6	Applying cumulative effects to strategically advance largeâ€™scale ecosystem restoration. <i>Frontiers in Ecology and the Environment</i> , 2021, 19, 108-117.	1.9	30
7	Sediment Budget Estimates for a Highly Impacted Embayment with Extensive Wetland Loss. <i>Estuaries and Coasts</i> , 2021, 44, 608-626.	1.0	8
8	Quantifying Slopes as a Driver of Forest to Marsh Conversion Using Geospatial Techniques: Application to Chesapeake Bay Coastal-Plain, United States. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	16
9	Modeling Marsh Dynamics Using a 3-D Coupled Wave-Flow-Sediment Model. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	9
10	A nonlinear relationship between marsh size and sediment trapping capacity compromises salt marshesâ€™ stability. <i>Geology</i> , 2020, 48, 966-970.	2.0	24
11	Sediment Delivery to a Tidal Marsh Platform Is Minimized by Source Decoupling and Flux Convergence. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2020JF005558.	1.0	15
12	Representing the function and sensitivity of coastal interfaces in Earth system models. <i>Nature Communications</i> , 2020, 11, 2458.	5.8	153
13	A geospatially resolved wetland vulnerability index: Synthesis of physical drivers. <i>PLoS ONE</i> , 2020, 15, e0228504.	1.1	23
14	Determining the drivers of suspended sediment dynamics in tidal marsh-influenced estuaries using high-resolution ocean color remote sensing. <i>Remote Sensing of Environment</i> , 2020, 240, 111682.	4.6	45
15	Are Elevation and Openâ€™Water Conversion of Salt Marshes Connected?. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086703.	1.5	26
16	Spatiotemporal variability of light attenuation and net ecosystem metabolism in a back-barrier estuary. <i>Ocean Science</i> , 2020, 16, 593-614.	1.3	16
17	Simulated Estuary-Wide Response of Seagrass (<i>Zostera marina</i>) to Future Scenarios of Temperature and Sea Level. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	12
18	Development of a submerged aquatic vegetation growth model in the Coupled Oceanâ€™Atmosphereâ€™Waveâ€™Sediment Transport (COAWST v3.4) model. <i>Geoscientific Model Development</i> , 2020, 13, 5211-5228.	1.3	0

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19	Identifying Salt Marsh Shorelines from Remotely Sensed Elevation Data and Imagery. <i>Remote Sensing</i> , 2019, 11, 1795.	1.8	25
20	Dataset of numerical modelling results of wave thrust on salt marsh boundaries with different seagrass coverages in a shallow back-barrier estuary. <i>Data in Brief</i> , 2019, 25, 104197.	0.5	1
21	Thin-layer sediment addition to an existing salt marsh to combat sea-level rise and improve endangered species habitat in California, USA. <i>Ecological Engineering</i> , 2019, 136, 197-208.	1.6	21
22	Spatial distribution of water level impacting back-barrier bays. <i>Natural Hazards and Earth System Sciences</i> , 2019, 19, 1823-1838.	1.5	2
23	Simple Metrics Predict Salt Marsh Sediment Fluxes. <i>Geophysical Research Letters</i> , 2019, 46, 12250-12257.	1.5	11
24	Marshes Are the New Beaches: Integrating Sediment Transport into Restoration Planning. <i>Estuaries and Coasts</i> , 2019, 42, 917-926.	1.0	52
25	Role of Tidal Wetland Stability in Lateral Fluxes of Particulate Organic Matter and Carbon. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2019, 124, 1265-1277.	1.3	19
26	Changes in hydrodynamics and wave energy as a result of seagrass decline along the shoreline of a microtidal back-barrier estuary. <i>Advances in Water Resources</i> , 2019, 128, 183-192.	1.7	24
27	Estimating Connectivity of Hard Clam (<i>Mercenaria mercenaria</i>) and Eastern Oyster (<i>Crassostrea</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	10
28	Understanding tidal marsh trajectories: evaluation of multiple indicators of marsh persistence. <i>Environmental Research Letters</i> , 2019, 14, 124073.	2.2	39
29	Hydrodynamic and Morphologic Response of a Back Barrier Estuary to an Extratropical Storm. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 7700-7717.	1.0	6
30	Dynamic interactions between coastal storms and salt marshes: A review. <i>Geomorphology</i> , 2018, 301, 92-107.	1.1	171
31	Hydrologic Controls of Methane Dynamics in Karst Subterranean Estuaries. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1759-1775.	1.9	19
32	Deciphering the dynamics of inorganic carbon export from intertidal salt marshes using high-frequency measurements. <i>Marine Chemistry</i> , 2018, 206, 7-18.	0.9	25
33	Storm impacts on hydrodynamics and suspended-sediment fluxes in a microtidal back-barrier estuary. <i>Marine Geology</i> , 2018, 404, 1-14.	0.9	21
34	Observations and a linear model of water level in an interconnected inlet-bay system. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 2760-2780.	1.0	18
35	Development of a coupled wave-flow-vegetation interaction model. <i>Computers and Geosciences</i> , 2017, 100, 76-86.	2.0	75
36	Spatially integrative metrics reveal hidden vulnerability of microtidal salt marshes. <i>Nature Communications</i> , 2017, 8, 14156.	5.8	167

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37	Spectral wave dissipation by submerged aquatic vegetation in a back-barrier estuary. <i>Limnology and Oceanography</i> , 2017, 62, 736-753.	1.6	29
38	Quantification of Storm-Induced Bathymetric Change in a Back-Barrier Estuary. <i>Estuaries and Coasts</i> , 2017, 40, 22-36.	1.0	14
39	Physical response of a back-barrier estuary to a post-tropical cyclone. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 5888-5904.	1.0	29
40	Sensitivity analysis of a coupled hydrodynamic-vegetation model using the effectively subsampled quadratures method (ESQM v5.2). <i>Geoscientific Model Development</i> , 2017, 10, 4511-4523.	1.3	14
41	Colored dissolved organic matter in shallow estuaries: relationships between carbon sources and light attenuation. <i>Biogeosciences</i> , 2016, 13, 583-595.	1.3	21
42	Evolution of Mid-Atlantic Coastal and Back-Barrier Estuary Environments in Response to a Hurricane: Implications for Barrier-Estuary Connectivity. <i>Estuaries and Coasts</i> , 2016, 39, 916-934.	1.0	30
43	Intertidal salt marshes as an important source of inorganic carbon to the coastal ocean. <i>Limnology and Oceanography</i> , 2016, 61, 1916-1931.	1.6	101
44	Salt marsh erosion rates and boundary features in a shallow Bay. <i>Journal of Geophysical Research F: Earth Surface</i> , 2016, 121, 1861-1875.	1.0	64
45	Estimating time-dependent connectivity in marine systems. <i>Geophysical Research Letters</i> , 2016, 43, 1193-1201.	1.5	5
46	Progress and Challenges in Coupled Hydrodynamic-Ecological Estuarine Modeling. <i>Estuaries and Coasts</i> , 2016, 39, 311-332.	1.0	62
47	Sediment chemistry and toxicity in Barnegat Bay, New Jersey: Pre- and post-Hurricane Sandy, 2012-13. <i>Marine Pollution Bulletin</i> , 2016, 107, 472-488.	2.3	16
48	Balanced Sediment Fluxes in Southern California's Mediterranean-Climate Zone Salt Marshes. <i>Estuaries and Coasts</i> , 2016, 39, 1035-1049.	1.0	16
49	A linear relationship between wave power and erosion determines salt-marsh resilience to violent storms and hurricanes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 64-68.	3.3	211
50	Sediment transport-based metrics of wetland stability. <i>Geophysical Research Letters</i> , 2015, 42, 7992-8000.	1.5	80
51	Quantifying the Residence Time and Flushing Characteristics of a Shallow, Back-Barrier Estuary: Application of Hydrodynamic and Particle Tracking Models. <i>Estuaries and Coasts</i> , 2015, 38, 1719-1734.	1.0	80
52	Water level response in back-barrier bays unchanged following Hurricane Sandy. <i>Geophysical Research Letters</i> , 2014, 41, 3163-3171.	1.5	22
53	Physical and biogeochemical controls on light attenuation in a eutrophic, back-barrier estuary. <i>Biogeosciences</i> , 2014, 11, 7193-7205.	1.3	26
54	Modeling future scenarios of light attenuation and potential seagrass success in a eutrophic estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2014, 149, 13-23.	0.9	31

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55	Metabolism of a nitrogen-enriched coastal marine lagoon during the summertime. <i>Biogeochemistry</i> , 2014, 118, 1-20.	1.7	34
56	Exchange of Nitrogen and Phosphorus Between a Shallow Lagoon and Coastal Waters. <i>Estuaries and Coasts</i> , 2014, 37, 63-73.	1.0	32
57	Comparison of sediment supply to San Francisco Bay from watersheds draining the Bay Area and the Central Valley of California. <i>Marine Geology</i> , 2013, 345, 47-62.	0.9	33
58	The Spatial Structure of Tidal and Mean Circulation over the Inner Shelf South of Martha's Vineyard, Massachusetts. <i>Journal of Physical Oceanography</i> , 2013, 43, 1940-1958.	0.7	23
59	Inferring tidal wetland stability from channel sediment fluxes: Observations and a conceptual model. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 2045-2058.	1.0	70
60	Tidal and Groundwater Fluxes to a Shallow, Microtidal Estuary: Constraining Inputs Through Field Observations and Hydrodynamic Modeling. <i>Estuaries and Coasts</i> , 2012, 35, 1285-1298.	1.0	27
61	Mercury Dynamics in a San Francisco Estuary Tidal Wetland: Assessing Dynamics Using In Situ Measurements. <i>Estuaries and Coasts</i> , 2012, 35, 1036-1048.	1.0	25
62	A novel approach for direct estimation of fresh groundwater discharge to an estuary. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	15
63	Complex mean circulation over the inner shelf south of Martha's Vineyard revealed by observations and a high-resolution model. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	25
64	Discontinuous hindcast simulations of estuarine bathymetric change: A case study from Suisun Bay, California. <i>Estuarine, Coastal and Shelf Science</i> , 2011, 93, 142-150.	0.9	14
65	Methyl mercury dynamics in a tidal wetland quantified using in situ optical measurements. <i>Limnology and Oceanography</i> , 2011, 56, 1355-1371.	1.6	43
66	Decadal-Timescale Estuarine Geomorphic Change Under Future Scenarios of Climate and Sediment Supply. <i>Estuaries and Coasts</i> , 2010, 33, 15-29.	1.0	52
67	Measuring sediment accretion in early tidal marsh restoration. <i>Wetlands Ecology and Management</i> , 2010, 18, 297-305.	0.7	12
68	Effect of roughness formulation on the performance of a coupled wave, hydrodynamic, and sediment transport model. <i>Ocean Modelling</i> , 2010, 33, 299-313.	1.0	25
69	Mercury concentrations and loads in a large river system tributary to San Francisco Bay, California, USA. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 2091-2100.	2.2	29
70	Calibration of an estuarine sediment transport model to sediment fluxes as an intermediate step for simulation of geomorphic evolution. <i>Continental Shelf Research</i> , 2009, 29, 148-158.	0.9	44
71	Hindcasting of decadal-timescale estuarine bathymetric change with a tidal-timescale model. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	46
72	Quantifying fluxes and characterizing compositional changes of dissolved organic matter in aquatic systems in situ using combined acoustic and optical measurements. <i>Limnology and Oceanography: Methods</i> , 2009, 7, 119-131.	1.0	94

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73	Temporal downscaling of decadal sediment load estimates to a daily interval for use in hindcast simulations. <i>Journal of Hydrology</i> , 2008, 349, 512-523.	2.3	31
74	Chapter 24 Lateral variability of the estuarine turbidity maximum in a tidal strait. <i>Proceedings in Marine Science</i> , 2008, 9, 339-355.	0.1	4
75	Chapter 31 Sensitivity and spin-up times of cohesive sediment transport models used to simulate bathymetric change. <i>Proceedings in Marine Science</i> , 2008, 9, 463-475.	0.1	6
76	Constancy of the relation between floc size and density in San Francisco Bay. <i>Proceedings in Marine Science</i> , 2007, 8, 75-91.	0.1	17
77	Estimates of suspended sediment entering San Francisco Bay from the Sacramento and San Joaquin Delta, San Francisco Bay, California. <i>Journal of Hydrology</i> , 2006, 323, 335-352.	2.3	81
78	Annual sediment flux estimates in a tidal strait using surrogate measurements. <i>Estuarine, Coastal and Shelf Science</i> , 2006, 69, 165-178.	0.9	42
79	Suspended sediment fluxes in a tidal wetland: Measurement, controlling factors, and error analysis. <i>Estuaries and Coasts</i> , 2005, 28, 812-822.	1.7	41
80	Tidal oscillation of sediment between a river and a bay: a conceptual model. <i>Estuarine, Coastal and Shelf Science</i> , 2004, 60, 81-90.	0.9	40
81	Estimation of Contraction Scour in Riverbed Using SERF. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2004, 130, 215-218.	0.5	10
82	A Preliminary Evaluation of Near-Transducer Velocities Collected with Low-Blank Acoustic Doppler Current Profiler. , 2002, , 1.		19
83	Simultaneous quantitation of plasma doxorubicin and prochlorperazine content by high-performance liquid chromatography. <i>Biomedical Applications</i> , 1997, 703, 217-224.	1.7	34