Impact of sea level rise on tidal range in Chesapeake an

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Citation Report

#	Article	IF	Citations
1	Fingerprints of Sea Level Rise on Changing Tides in the Chesapeake and Delaware Bays. Journal of Geophysical Research: Oceans, 2017, 122, 8102-8125.	2.6	47
2	Tidal Response to Seaâ€Level Rise in Different Types of Estuaries: The Importance of Length, Bathymetry, and Geometry. Geophysical Research Letters, 2018, 45, 227-235.	4.0	104
3	Generation of Nearâ€Inertial Currents on the Midâ€Atlantic Bight by Hurricane Arthur (2014). Journal of Geophysical Research: Oceans, 2018, 123, 3100-3116.	2.6	4
4	The Influence of Sea Level Rise on the Regional Interdependence of Coastal Infrastructure. Earth's Future, 2018, 6, 677-688.	6.3	26
5	Sea Level Rise Impacts on Wastewater Treatment Systems Along the U.S. Coasts. Earth's Future, 2018, 6, 622-633.	6.3	59
6	Tidal asymmetry and residual sediment transport in a short tidal basin under sea level rise. Advances in Water Resources, 2018, 121, 1-8.	3.8	33
7	Modelling Hydrodynamic Impacts of Sea-Level Rise on Wave-Dominated Australian Estuaries with Differing Geomorphology. Journal of Marine Science and Engineering, 2018, 6, 66.	2.6	22
8	A harmonic analysis method adapted to capturing slow variations of tidal amplitudes and phases. Continental Shelf Research, 2018, 164, 37-44.	1.8	16
9	Impacts of Ocean Warming, Sea Level Rise, and Coastline Management on Storm Surge in a Semienclosed Bay. Journal of Geophysical Research: Oceans, 2019, 124, 6498-6514.	2.6	15
10	Tidal Responses to Future Sea Level Trends on the Yellow Sea Shelf. Journal of Geophysical Research: Oceans, 2019, 124, 7285-7306.	2.6	16
11	Ocean destratification and fish evacuation caused by a Mid-Atlantic tropical storm. ICES Journal of Marine Science, 2019, 76, 573-584.	2.5	20
12	Non-linear interactions between sea-level rise, tides, and geomorphic change in the Tamar Estuary, Australia. Estuarine, Coastal and Shelf Science, 2019, 225, 106247.	2.1	26
13	Investigation of impact of shoreline alteration on coastal hydrodynamics using Dimension REduced Surrogate based Sensitivity Analysis. Advances in Water Resources, 2019, 126, 168-175.	3.8	7
14	Large Projected Decline in Dissolved Oxygen in a Eutrophic Estuary Due to Climate Change. Journal of Geophysical Research: Oceans, 2019, 124, 8271-8289.	2.6	59
15	Changing Tides: The Role of Natural and Anthropogenic Factors. Annual Review of Marine Science, 2020, 12, 121-151.	11.6	125
16	The Tides They Are Aâ€Changin': A Comprehensive Review of Past and Future Nonastronomical Changes in Tides, Their Driving Mechanisms, and Future Implications. Reviews of Geophysics, 2020, 58, e2018RG000636.	23.0	126
17	Analysis of the changing patterns of seasonal flooding along the U.S. East Coast. Ocean Dynamics, 2020, 70, 241-255.	2.2	15
18	Climate-induced interannual variability and projected change of two harmful algal bloom taxa in Chesapeake Bay, USA. Science of the Total Environment, 2020, 744, 140947.	8.0	9

#	Article	IF	Citations
19	Interacting Infrastructure Disruptions Due to Environmental Events and Longâ€Term Climate Change. Earth's Future, 2020, 8, e2020EF001652.	6.3	9
20	Estuarine tidal response to sea level rise: The significance of entrance restriction. Estuarine, Coastal and Shelf Science, 2020, 244, 106941.	2.1	32
21	Effects of sea-level rise on tides and sediment dynamics in a Dutch tidal bay. Ocean Science, 2020, 16, 307-321.	3.4	16
22	Tideâ€Storm Surge Interactions in Highly Altered Estuaries: How Channel Deepening Increases Surge Vulnerability. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015286.	2.6	18
24	Assessing storm surge impacts on coastal inundation due to climate change: case studies of Baltimore and Dorchester County in Maryland. Natural Hazards, 2020, 103, 2561-2588.	3.4	31
25	Future Interactions Between Sea Level Rise, Tides, and Storm Surges in the World's Largest Urban Area. Geophysical Research Letters, 2020, 47, e2020GL087002.	4.0	38
26	A Metamodel-Based Analysis of the Sensitivity and Uncertainty of the Response of Chesapeake Bay Salinity and Circulation to Projected Climate Change. Estuaries and Coasts, 2021, 44, 70-87.	2.2	5
27	Assessing the Influence of Shoreline Adaptation on Tidal Hydrodynamics: The Role of Shoreline Typologies. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016705.	2.6	8
28	On the Role of Anthropogenic Activity and Seaâ€Levelâ€Rise in Tidal Distortion on the Open Coast of the Yellow Sea Shelf. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016583.	2.6	5
29	Modeling Impacts of Submersed Aquatic Vegetation on Sediment Dynamics Under Storm Conditions in Upper Chesapeake Bay. Estuaries and Coasts, 2022, 45, 130-147.	2.2	1
30	High-Resolution Monitoring of Tidal Systems Using UAV: A Case Study on Poplar Island, MD (USA). Remote Sensing, 2021, 13, 1364.	4.0	18
31	Economic evaluation of sea-level rise adaptation strongly influenced by hydrodynamic feedbacks. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	27
32	Diminishing Opportunities for Sustainability of Coastal Cities in the Anthropocene: A Review. Frontiers in Environmental Science, 2021, 9, .	3.3	11
33	Skew Surge and Storm Tides of Tropical Cyclones in the Delaware and Chesapeake Bays for 1980â€“2019. Frontiers in Climate, 2021, 3, .	2.8	4
34	Sea level rise impacts on estuarine dynamics: A review. Science of the Total Environment, 2021, 780, 146470.	8.0	74
35	Stressors and Infrastructure Resilience. , 2021, , 59-128.		0
36	Estuarine tidal range dynamics under rising sea levels. PLoS ONE, 2021, 16, e0257538.	2.5	20
37	Sensitivity of tides and tidal components to sea-level-rise in the Radial Sand Ridges. Regional Studies in Marine Science, 2021, 47, 101918.	0.7	1

#	Article	IF	Citations
38	Impact of Historical Channel Deepening on Tidal Hydraulics in the Delaware Estuary. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016256.	2.6	16
40	Estuaries. , 2021, , .		0
41	Estimation of Return Levels for Extreme Skew Surge Coastal Flooding Events in the Delaware and Chesapeake Bays for 1980â€“2019. Frontiers in Climate, 2021, 3, .	2.8	1
43	Sea level rise will change estuarine tidal energy: A review. Renewable and Sustainable Energy Reviews, 2022, 156, 111855.	16.4	34
44	Comparison of Extreme Coastal Flooding Events Between Tropical and Mid-Latitude Weather Systems in the Delaware and Chesapeake Bays for 1980 â€“ 2019. Journal of Applied Meteorology and Climatology, 2022, , .	1.5	0
45	Tidal change in response to the relative sea level rise and marsh accretion in a tidally choked estuary. Continental Shelf Research, 2022, 234, 104642.	1.8	4
46	Bifurcate responses of tidal range to seaâ€level rise in estuaries with marsh evolution. Limnology and Oceanography Letters, 2022, 7, 210-217.	3.9	7
47	Potential sea-level rise effects on the hydrodynamics and transport processes in Hudsonâ€“Raritan Estuary, NYâ€“NJ. Ocean Dynamics, 2022, 72, 421-442.	2.2	3
48	An Integration of Numerical Modeling and Paleoenvironmental Analysis Reveals the Effects of Embankment Construction on Longâ€Term Salt Marsh Accretion. Journal of Geophysical Research F: Earth Surface, 2022, 127, .	2.8	3
49	An Eco-Morphodynamic Modelling Approach to Estuarine Hydrodynamics & Wetlands in Response to Sea-Level Rise. Frontiers in Marine Science, 2022, 9, .	2.5	7
50	Evaluation of future estuarine floods in a sea level rise context. Scientific Reports, 2022, 12, 8083.	3.3	15
51	Reclamation of Tidal Flats Within Tidal Basins Alters Centennial Morphodynamic Adaptation to Seaâ€Level Rise. Journal of Geophysical Research F: Earth Surface, 2022, 127, .	2.8	5
52	Quantifying the Effects of Sea Level Rise on Estuarine Drainage Systems. Water Resources Research, 2022, 58, .	4.2	10
53	The Effect of Harbor Developments on Future Highâ€Tide Flooding in Miami, Florida. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	6
54	Predominant landward skewing of tidal meanders. Earth Surface Processes and Landforms, 2022, 47, 3199-3215.	2.5	1
55	Compound Effects of Flood Drivers, Sea Level Rise, and Dredging Protocols on Vessel Navigability and Wetland Inundation Dynamics. Frontiers in Marine Science, 0, 9, .	2.5	6
56	Hydrodynamic effects of large-scale suspended mussel farms: Field observations and numerical simulations. Frontiers in Marine Science, 0, 9, .	2.5	2
57	Present day: Tides in a changing climate. , 2023, , 185-229.		1

#	Article	IF	Citations
58	A Demonstration of a Simple Methodology of Flood Prediction for a Coastal City Under Threat of Sea Level Rise: The Case of Norfolk, VA, USA. Earth's Future, 2022, 10, .	6.3	7
59	Evaluation of sea-level rise influence on tidal characteristics using a numerical model approach: a case study of a southern city coastal area in Vietnam. Modeling Earth Systems and Environment, 2023, 9, 1089-1102.	3.4	2
60	Numerical Modeling of the Impact of Sea Level Rise on Tidal Asymmetry in Hangzhou Bay. Journal of Marine Science and Engineering, 2022, 10, 1445.	2.6	0
61	Impacts of climate change on estuarine stratification and implications for hypoxia within a shallow subtropical system. Estuarine, Coastal and Shelf Science, 2022, 279, 108146.	2.1	3
62	Impacts of Seaâ€Ł evel Rise on Morphodynamics and Riverine Flooding in an Idealized Estuary. Water Resources Research, 2022, 58, .	4.2	1
63	Hydrologic Control on Arsenic Cycling at the Groundwaterâ€“Surface Water Interface of a Tidal Channel. Environmental Science & Technology, 2023, 57, 222-230.	10.0	8
64	Sea level acceleration and variability in the Chesapeake Bay: past trends, future projections, and spatial variations within the Bay. Ocean Dynamics, 2023, 73, 23-34.	2.2	6
65	Durability of cementitious materials in seawater environment: A review on chemical interactions, hardened-state properties and environmental factors. Construction and Building Materials, 2023, 367, 130224.	7.2	15
66	Long-term performance and impacts of living shorelines in mesohaline Chesapeake Bay. Ecological Engineering, 2023, 190, 106944.	3.6	2
67	Sensitivity of tidal range assessments to harmonic constituents and analysis timeframe. Renewable Energy, 2023, 205, 125-141.	8.9	2
68	Sea Level Variability in the Equatorial Malacca Strait: The Influence of Climaticâ€“Oceanographic Factors and Its Implications for Tidal Properties in the Estuarine Zone. Climate, 2023, 11, 70.	2.8	3
69	Interacting Effects of Watershed and Coastal Processes on the Evolution of Compound Flooding During Hurricane Irene. Earth's Future, 2023, 11, .	6.3	1
70	Projected increase in carbon dioxide drawdown and acidification in large estuaries under climate change. Communications Earth & Environment, 2023, 4, .	6.8	5
71	Application of Idealised Modelling and Data Analysis for Assessing the Compounding Effects of Sea Level Rise and Altered Riverine Inflows on Estuarine Tidal Dynamics. Journal of Marine Science and Engineering, 2023, 11, 815.	2.6	1
72	Tidal Evolution and Predictable Tideâ€Only Inundation Along the East Coast of the United States. Journal of Geophysical Research: Oceans, 2023, 128, .	2.6	0
73	A global assessment of estuarine tidal response to sea level rise. Science of the Total Environment, 2023, 894, 165011.	8.0	2
74	Modeling surface wave dynamics in upper Delaware Bay with living shorelines. Ocean Engineering, 2023, 284, 115207.	4.3	2
75	Effects of human-induced riverine sediment transfer on depositionâ€“erosion in the South Passage of the Changjiang (Yangtze) delta. Journal of Hydrology, 2023, 622, 129714.	5.4	3

#	Article	IF	Citations
76	Predicting Compound Coastal Flooding in Embayment-Backed Urban Catchments: Seawall and Storm Drain Implications. Journal of Marine Science and Engineering, 2023, 11, 1454.	2.6	1
77	Sea Level Rise-Induced Transition from Rare Fluvial Extremes to Chronic and Compound Floods. Water (Switzerland), 2023, 15, 2671.	2.7	0
78	Risks to Coastal Critical Infrastructure from Climate Change. Annual Review of Environment and Resources, 2023, 48, 681-712.	13.4	4
79	Future Marsh Evolution Due To Tidal Changes Induced by Human Adaptation to Sea Level Rise. Earth's Future, 2023, 11, .	6.3	0
80	Estuary contexts and governance models in the new climate era, New South Wales, Australia. Frontiers in Environmental Science, 0, 11, .	3.3	1
82	Coastal Morphodynamics and Climate Change: A Review of Recent Advances. Journal of Marine Science and Engineering, 2023, 11, 1997.	2.6	2
83	Biophysical Drivers of Coastal Treeline Elevation. Journal of Geophysical Research G: Biogeosciences, 2023, 128, .	3.0	1
84	Impact of sea level rise on tidal energy budget in a macro-tidal coastal bay with archipelago. Frontiers in Marine Science, 0, 10, .	2.5	0
85	Recent Sedimentation across Kori Creek in the Western Great Rann of Kachchh Basin: Insights from Tidal Network Changes, Sedimentological, Clay Mineralogical, and Rare Earth Element Studies. Journal of Coastal Research, 2024, 40, .	0.3	0