

Simulating storm surge and compound flooding events Importance of baroclinic effects

Ocean Modelling

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The contribution of short-wave breaking to storm surges: The case Klaus in the Southern Bay of Biscay. <i>Ocean Modelling</i> , 2020, 156, 101710.	2.4	18
2	Compound flooding in Houston-Galveston Bay during Hurricane Harvey. <i>Science of the Total Environment</i> , 2020, 747, 141272.	8.0	53
3	Enhancing an Analysis Method of Compound Flooding in Coastal Areas by Linking Flow Simulation Models of Coasts and Watershed. <i>Sustainability</i> , 2020, 12, 6572.	3.2	7
5	Social Vulnerability Assessment for Flood Risk Analysis. <i>Water (Switzerland)</i> , 2020, 12, 558.	2.7	48
6	Simulating compound flooding events in a hurricane. <i>Ocean Dynamics</i> , 2020, 70, 621-640.	2.2	49
7	Developing a hybrid modeling and multivariate analysis framework for storm surge and runoff interactions in urban coastal flooding. <i>Journal of Hydrology</i> , 2021, 595, 125670.	5.4	21
8	Compounding factors for extreme flooding around Galveston Bay during Hurricane Harvey. <i>Ocean Modelling</i> , 2021, 158, 101735.	2.4	34
9	Dynamical Downscaling of Coastal Dynamics for Two Extreme Storm Surge Events in Japan. <i>Frontiers in Marine Science</i> , 2021, 7, .	2.5	2
10	3D numerical modelling of asynchronous propagation characteristics of flood and sediment peaks in three gorges reservoir. <i>Journal of Hydrology</i> , 2021, 593, 125896.	5.4	6
11	Developing a Modeling Framework to Simulate Compound Flooding: When Storm Surge Interacts With Riverine Flow. <i>Frontiers in Climate</i> , 2021, 2, .	2.8	14
12	A cross-scale study for compound flooding processes during Hurricane Florence. <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 1703-1719.	3.6	28
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15	Towards an efficient storm surge and inundation forecasting system over the Bengal delta: chasing the Supercyclone Amphan. <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 2523-2541.	3.6	14
16	Hydrodynamic Climate of Port Phillip Bay. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 898.	2.6	4
17	Flood management challenges in transitional environments: Assessing the effects of sea-level rise on compound flooding in the 21st century. <i>Coastal Engineering</i> , 2021, 167, 103872.	4.0	14
18	The prediction of floods in Venice: methods, models and uncertainty (review article). <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 2679-2704.	3.6	30
19	European Copernicus Services to Inform on Sea-Level Rise Adaptation: Current Status and Perspectives. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	11

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21	Sediment dynamics and morphological evolution in the Tagus Estuary inlet. Marine Geology, 2021, 440, 106590.	2.1	10
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34	Perspective on uncertainty quantification and reduction in compound flood modeling and forecasting. IScience, 2022, 25, 105201.	4.1	14
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40	Development and Validation of Accumulation Term (Distributed and/or Point Source) in a Finite Element Hydrodynamic Model. <i>Journal of Marine Science and Engineering</i> , 2023, 11, 248.	2.6	2
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44	Relative contributions of water-level components to extreme water levels along the US Southeast Atlantic Coast from a regional-scale water-level hindcast. <i>Natural Hazards</i> , 2023, 117, 2219-2248.	3.4	8
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46	Global seamless tidal simulation using a 3D unstructured-grid model (SCHISM v5.10.0). <i>Geoscientific Model Development</i> , 2023, 16, 2565-2581.	3.6	3
48	A parallel Python-based tool for meshing watershed rivers at continental scale. <i>Environmental Modelling and Software</i> , 2023, 166, 105731.	4.5	1
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52	Techniques to embed channels in finite element shallow water equation models. <i>Advances in Engineering Software</i> , 2023, 185, 103516.	3.8	2
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55	Hindcasting compound pluvial, fluvial and coastal flooding during Hurricane Harvey (2017) using Delft3D-FM. <i>Natural Hazards</i> , 2024, 120, 851-880.	3.4	0
56	Investigating the Storm Surge and Flooding in Shenzhen City, China. <i>Remote Sensing</i> , 2023, 15, 5002.	4.0	0
57	Understanding the compound flood risk along the coast of the contiguous United States. <i>Hydrology and Earth System Sciences</i> , 2023, 27, 3911-3934.	4.9	1
58	Delayed coastal inundations caused by ocean dynamics post-Hurricane Matthew. <i>Npj Climate and Atmospheric Science</i> , 2024, 7, .	6.8	1

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59	Mapping Compound Flooding Risks for Urban Resilience in Coastal Zones: A Comprehensive Methodological Review. Remote Sensing, 2024, 16, 350.	4.0	0
60	Coastal Compound Flood Simulation through Coupled Multidimensional Modeling Framework. Journal of Hydrology, 2024, 630, 130691.	5.4	0
61	Investigating the Data Inputs and Requirements for Response and Recovery Decision Models in Flooding Events. , 2024, , .		0
62	Modeled Coastalâ€Ocean Pathways of Landâ€Sourced Contaminants in the Aftermath of Hurricane Florence. Journal of Geophysical Research: Oceans, 2024, 129, .	2.6	0
63	Nonlinear Interactions of Seaâ€Level Rise and Storm Tide Alter Extreme Coastal Water Levels: How and Why?. AGU Advances, 2024, 5, .	5.4	0