

Simulating compound flooding events in a hurricane

Ocean Dynamics

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Compound flooding in Houston-Galveston Bay during Hurricane Harvey. <i>Science of the Total Environment</i> , 2020, 747, 141272.	8.0	53
2	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
3	Compounding factors for extreme flooding around Galveston Bay during Hurricane Harvey. <i>Ocean Modelling</i> , 2021, 158, 101735.	2.4	34
4	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
5	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
6	Assessment of urban flood vulnerability using the social-ecological-technological systems framework in six US cities. <i>Sustainable Cities and Society</i> , 2021, 68, 102786.	10.4	88
7	Effect of Depth-Induced Breaking on Wind Wave Simulations in Shallow Nearshore Waters off Northern Taiwan during the Passage of Two Super Typhoons. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 706.	2.6	7
8	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
9	Characterizing the Non-linear Interactions Between Tide, Storm Surge, and River Flow in the Delaware Bay Estuary, United States. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	22
10	Extreme Water Level Simulation and Component Analysis in Delaware Estuary during Hurricane Isabel. <i>Journal of the American Water Resources Association</i> , 2022, 58, 19-33.	2.4	1
11	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
12	Assessing Damages to Built and Natural Environments: Linking Hydrodynamic and Geospatial Enviro-Economical Models. <i>Frontiers in Climate</i> , 2021, 3, .	2.8	1
13	Hydrodynamic Climate of Port Phillip Bay. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 898.	2.6	4
14	Flood and drought risk assessment for agricultural areas (Tagus Estuary, Portugal). <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 2503-2521.	3.6	3
15	Numerical Analysis of the Effect of Binary Typhoons on Ocean Surface Waves in Waters Surrounding Taiwan. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	12
16	Challenges for Appropriate Characterization of Compound Coastal Hazards. , 2021, , .		0
17	Numerical simulations of compound flooding caused by storm surge and heavy rain with the presence of urban drainage system, coastal dam and tide gates: A case study of Xiangshan, China. <i>Coastal Engineering</i> , 2022, 172, 104064.	4.0	16
18	Time-Varying Univariate and Bivariate Frequency Analysis of Nonstationary Extreme Sea Level for New York City. <i>Environmental Processes</i> , 2022, 9, 1.	3.5	20

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19	Tidal simulation revisited. <i>Ocean Dynamics</i> , 2022, 72, 187-205.	2.2	9
20	Impacts of Multiple Hurricanes and Tropical Storms on Watershed Hydrological Processes in the Florida Panhandle. <i>Climate</i> , 2022, 10, 42.	2.8	8
21	Monolithic Multiphysics Simulation of Compound Flooding. <i>Journal of Hydraulic Engineering</i> , 2022, 148, .	1.5	7
22	Historic Spatial Patterns of Storm-Driven Compound Events in UK Estuaries. <i>Estuaries and Coasts</i> , 2023, 46, 30-56.	2.2	5
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25	Compound flood models in coastal areas: a review of methods and uncertainty analysis. <i>Natural Hazards</i> , 2023, 116, 469-496.	3.4	11
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29	Compound effects of rain, storm surge, and river discharge on coastal flooding during Hurricane Irene and Tropical Storm Lee (2011) in the Mid-Atlantic region: coupled atmosphere-wave-ocean model simulation and observations. <i>Natural Hazards</i> , 2023, 116, 693-726.	3.4	1
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31	Exploring Latent Verification Methods for Inundation Forecasting Models through Remote Sensing Networks and Community Science. , 2022, , .		0
32	Compound Coastal, Fluvial, and Pluvial Flooding During Historical Hurricane Events in the Sabine-Neches Estuary, Texas. <i>Water Resources Research</i> , 2022, 58, .	4.2	6
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36	Physics-Informed Neural Networks of the Saint-Venant Equations for Downscaling a Large-Scale River Model. <i>Water Resources Research</i> , 2023, 59, .	4.2	11

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38	Simulation of compound flooding in Japan using a nationwide model. Natural Hazards, 2023, 117, 2693-2713.	3.4	2
39	Changes in seasonal compound floods in Vietnam revealed by a time-varying dependence structure of extreme rainfall and high surge. Coastal Engineering, 2023, 183, 104330.	4.0	1
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