

Numerical Modeling of Wave Forces on Movable Bridge

Journal of Bridge Engineering

21,

DOI: [10.1061/\(asce\)be.1943-5592.0000922](https://doi.org/10.1061/(asce)be.1943-5592.0000922)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Numerical investigation of the interaction between an inverse T-type fixed/floating breakwater and regular/irregular waves. <i>Ocean Engineering</i> , 2017, 137, 110-119.	1.9	34
2	Prediction of Solitary Wave Forces on Coastal Bridge Decks Using Artificial Neural Networks. <i>Journal of Bridge Engineering</i> , 2018, 23, .	1.4	46
3	Numerical Investigation of Connection Forces of a Coastal Bridge Deck Impacted by Solitary Waves. <i>Journal of Bridge Engineering</i> , 2018, 23, .	1.4	28
4	Framework of Practical Performance Evaluation and Concept of Interface Design for Bridge Deck-Wave Interaction. <i>Journal of Bridge Engineering</i> , 2018, 23, .	1.4	18
5	Coupled Dynamic Analysis of the Vehicle-Bridge-Wind-Wave System. <i>Journal of Bridge Engineering</i> , 2018, 23, .	1.4	46
6	Validation of a combined dynamic mesh strategy for the simulation of body's large amplitude motion in wave. <i>Ocean Engineering</i> , 2019, 187, 106169.	1.9	19
7	Frequency domain dynamic analyses of freestanding bridge pylon under wind and waves using a copula model. <i>Ocean Engineering</i> , 2019, 183, 359-371.	1.9	23
8	Bridge pier scour under pressure flow conditions. <i>River Research and Applications</i> , 2019, 35, 844-854.	0.7	17
9	Drag-Induced Displacement of a Simply Supported Bridge Span during Hurricane Katrina. <i>Journal of Performance of Constructed Facilities</i> , 2019, 33, .	1.0	5
10	CFD investigation of the cap effects on wave loads on piles for the pile-cap foundation. <i>Ocean Engineering</i> , 2019, 183, 249-261.	1.9	18
11	Effects of random winds and waves on a long-span cross-sea bridge using Bayesian regularized back propagation neural network. <i>Advances in Structural Engineering</i> , 2020, 23, 733-748.	1.2	13
12	Experimental and numerical investigation of wave-current forces on coastal bridge superstructures with box girders. <i>Advances in Structural Engineering</i> , 2020, 23, 1438-1453.	1.2	17
13	Numerical investigation of dynamic responses and mooring forces of submerged floating tunnel driven by surface waves. <i>Scientific Reports</i> , 2020, 10, 18836.	1.6	3
14	Identification of damage parameters during flood events applicable to multi-span bridges. <i>Journal of Civil Structural Health Monitoring</i> , 2020, 10, 973-985.	2.0	3
15	Stochastic response of a cable-stayed bridge under non-stationary winds and waves using different surrogate models. <i>Ocean Engineering</i> , 2020, 199, 106967.	1.9	24
16	Spectral Analysis and Prediction of the Wave Forces Acting on Coastal Bridge Decks. <i>KSCE Journal of Civil Engineering</i> , 2021, 25, 1826-1836.	0.9	5
17	Experimental investigation of focused wave action on coastal bridges with box girder. <i>Coastal Engineering</i> , 2021, 165, 103857.	1.7	29
18	Numerical modelling of wave run-up heights and loads on heaving buoy wave energy converter under the influence of regular waves. <i>Ocean Engineering</i> , 2021, 225, 108670.	1.9	12

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19	Long-term loss assessment of coastal bridges from hurricanes incorporating overturning failure mode. <i>Advances in Bridge Engineering</i> , 2021, 2, .	0.8	9
20	A comparative study on wave-deck interactions of T-type and box girder decks under regular waves. <i>Ocean Engineering</i> , 2021, 231, 109067.	1.9	9
21	Characterization of hydrodynamic properties from free vibration tests of a large-scale bridge model. <i>Journal of Fluids and Structures</i> , 2021, 106, 103368.	1.5	2
22	Wave forces on box-girder-type bridge deck located behind trench or breakwater. <i>Ocean Engineering</i> , 2021, 237, 109618.	1.9	7
23	A comparative study on lateral displacements of movable T-deck and Box-deck under solitary waves. <i>Structures</i> , 2021, 34, 1614-1635.	1.7	6
24	Numerical modeling of the interaction between submerged floating tunnel and surface waves. <i>Ocean Engineering</i> , 2021, 220, 108494.	1.9	25
25	Review of wave forces on bridge decks with experimental and numerical methods. <i>Advances in Bridge Engineering</i> , 2021, 2, .	0.8	23
26	Spatial failure mechanism of coastal bridges under extreme waves using high-efficient pseudo-fluid-structure interaction solution scheme. <i>Ocean Engineering</i> , 2021, 240, 109894.	1.9	11
27	Wave Dissipation Characteristics of A Mountain-Type Breakwater. <i>China Ocean Engineering</i> , 2020, 34, 863-870.	0.6	2
28	A novel tri-semicircle shaped submerged breakwater for mitigating wave loads on coastal bridges part I: Efficacy. <i>Ocean Engineering</i> , 2022, 245, 110462.	1.9	14
29	A novel combined countermeasure of fairing-openings for mitigating extreme wave forces on typical coastal low-lying bridges. <i>Ocean Engineering</i> , 2022, 257, 111717.	1.9	9
30	The Influence of Lateral Restraining Stiffness on the Box-Girder Superstructure under Unbroken Solitary Waves. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 1019.	1.2	5
31	Nonlinear dynamic analysis of the deep-water bridge piers under combined earthquakes and wave actions. <i>Ocean Engineering</i> , 2022, 261, 112076.	1.9	7
32	Numerical modeling of hydrodynamics on an elevated residential structure from varied wave and surge conditions using OpenFOAM. <i>Coastal Engineering</i> , 2022, 178, 104204.	1.7	7
33	Failure mechanism and vulnerability assessment of coastal box-girder bridge with laminated rubber bearings under extreme waves. <i>Ocean Engineering</i> , 2022, 266, 112834.	1.9	7
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35	A study of the interaction between depression internal solitary waves and submerged floating tunnels in stratified fluids. <i>Applied Ocean Research</i> , 2023, 132, 103455.	1.8	3
36	Numerical simulation and fragility analysis of coastal bridges with tension-compression bearings under extreme waves. <i>Ocean Engineering</i> , 2023, 276, 114265.	1.9	4

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37	Wave forces acting on the coastal bridge deck under focused and regular waves. Ocean Engineering, 2023, 276, 114239.	1.9	2