

Zhaoqing Yang

List of Publications by Year in descending order

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46
papers

1,406
citations

361413

20
h-index

345221

36
g-index

60
all docs

60
docs citations

60
times ranked

1303
citing authors

#	ARTICLE	IF	CITATIONS
1	Drivers, trends, and potential impacts of long-term coastal reclamation in China from 1985 to 2010. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 170, 83-90.	2.1	242
2	Estuarine response to river flow and sea-level rise under future climate change and human development. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 156, 19-30.	2.1	107
3	Modeling tidal stream energy extraction and its effects on transport processes in a tidal channel and bay system using a three-dimensional coastal ocean model. <i>Renewable Energy</i> , 2013, 50, 605-613.	8.9	95
4	Impacts of coastal reclamation on wetlands: Loss, resilience, and sustainable management. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 210, 153-161.	2.1	84
5	Modeling tidal circulation and stratification in Skagit River estuary using an unstructured grid ocean model. <i>Ocean Modelling</i> , 2009, 28, 34-49.	2.4	80
6	A modeling study of coastal inundation induced by storm surge, sea-level rise, and subsidence in the Gulf of Mexico. <i>Natural Hazards</i> , 2014, 71, 1771-1794.	3.4	54
7	Tidal residual current and its role in the mean flow on the Changjiang Bank. <i>Journal of Marine Systems</i> , 2016, 154, 66-81.	2.1	46
8	Tidally averaged circulation in Puget Sound sub-basins: Comparison of historical data, analytical model, and numerical model. <i>Estuarine, Coastal and Shelf Science</i> , 2011, 93, 305-319.	2.1	35
9	Development and validation of a high-resolution regional wave hindcast model for U.S. West Coast wave resource characterization. <i>Renewable Energy</i> , 2020, 152, 736-753.	8.9	34
10	Hydrodynamic and ecological assessment of nearshore restoration: A modeling study. <i>Ecological Modelling</i> , 2010, 221, 1043-1053.	2.5	33
11	Multi-scale modeling of Puget Sound using an unstructured-grid coastal ocean model: from tide flats to estuaries and coastal waters. <i>Ocean Dynamics</i> , 2010, 60, 1621-1637.	2.2	32
12	Simulation of cumulative effects of nearshore restoration projects on estuarine hydrodynamics. <i>Ecological Modelling</i> , 2010, 221, 969-977.	2.5	32
13	Tidal residual eddies and their effect on water exchange in Puget Sound. <i>Ocean Dynamics</i> , 2013, 63, 995-1009.	2.2	31
14	A wave model test bed study for wave energy resource characterization. <i>Renewable Energy</i> , 2017, 114, 132-144.	8.9	31
15	Modeling of in-stream tidal energy development and its potential effects in Tacoma Narrows, Washington, USA. <i>Ocean and Coastal Management</i> , 2014, 99, 52-62.	4.4	30
16	A modeling study of tidal energy extraction and the associated impact on tidal circulation in a multi-inlet bay system of Puget Sound. <i>Renewable Energy</i> , 2017, 114, 204-214.	8.9	30
17	Characterization of Extreme Wave Conditions for Wave Energy Converter Design and Project Risk Assessment. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 289.	2.6	30
18	Holistic marine energy resource assessments: A wave and offshore wind perspective of metocean conditions. <i>Renewable Energy</i> , 2021, 170, 286-301.	8.9	27

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19	Characteristics and variability of the nearshore wave resource on the U.S. West Coast. <i>Energy</i> , 2020, 203, 117818.	8.8	26
20	Integrated modeling of flood flows and tidal hydrodynamics over a coastal floodplain. <i>Environmental Fluid Mechanics</i> , 2012, 12, 63-80.	1.6	23
21	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
22	A Modeling Study of the Potential Water Quality Impacts from In-Stream Tidal Energy Extraction. <i>Estuaries and Coasts</i> , 2015, 38, 173-186.	2.2	21
23	Modeling the Effects of Tidal Energy Extraction on Estuarine Hydrodynamics in a Stratified Estuary. <i>Estuaries and Coasts</i> , 2015, 38, 187-202.	2.2	21
24	A review of tidal energyâ€™Resource, feedbacks, and environmental interactions. <i>Journal of Renewable and Sustainable Energy</i> , 2021, 13, .	2.0	20
25	A Sensitivity Analysis of the Wind Forcing Effect on the Accuracy of Large-Wave Hindcasting. <i>Journal of Marine Science and Engineering</i> , 2018, 6, 139.	2.6	19
26	Wave resource characterization at regional and nearshore scales for the U.S. Alaska coast based on a 32-year high-resolution hindcast. <i>Renewable Energy</i> , 2021, 170, 595-612.	8.9	19
27	Tidal stream energy resource characterization in the Salish Sea. <i>Renewable Energy</i> , 2021, 172, 188-208.	8.9	18
28	Wave energy resources assessment for the multi-modal sea state of Hawaii. <i>Renewable Energy</i> , 2021, 174, 1036-1055.	8.9	17
29	Modeling analysis of the swell and wind-sea climate in the Salish Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 224, 289-300.	2.1	16
30	A Tidal Hydrodynamic Model for Cook Inlet, Alaska, to Support Tidal Energy Resource Characterization. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 254.	2.6	15
31	Wave Resource Characterization Using an Unstructured Grid Modeling Approach. <i>Energies</i> , 2018, 11, 605.	3.1	14
32	The Nonlinear Response of Storm Surge to Sea-Level Rise: A Modeling Approach. <i>Journal of Coastal Research</i> , 2019, 35, 287.	0.3	13
33	Modeling assessment of storm surge in the Salish Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 238, 106552.	2.1	11
34	Modeling Assessment of Tidal Energy Extraction in the Western Passage. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 411.	2.6	11
35	Tracking the environmental impacts of ecological engineering on coastal wetlands with numerical modeling and remote sensing. <i>Journal of Environmental Management</i> , 2022, 302, 113957.	7.8	10
36	Understanding the flushing capability of Bellingham Bay and its implication on bottom water hypoxia. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 165, 279-290.	2.1	7

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37	Uncertainty and feasibility of dynamical downscaling for modeling tropical cyclones for storm surge simulation. <i>Natural Hazards</i> , 2016, 84, 1161-1184.	3.4	7
38	Integrated modeling analysis of estuarine responses to extreme hydrological events and sea-level rise. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 261, 107555.	2.1	7
39	Hydrodynamic Modeling Analysis to Support Nearshore Restoration Projects in a Changing Climate. <i>Journal of Marine Science and Engineering</i> , 2014, 2, 18-32.	2.6	5
40	Responses of estuarine circulation and salinity to the loss of intertidal flats – A modeling study. <i>Continental Shelf Research</i> , 2015, 111, 159-173.	1.8	5
41	Coupled Modeling of Hydrodynamics and Sound in Coastal Ocean for Renewable Ocean Energy Development. <i>Marine Technology Society Journal</i> , 2016, 50, 27-36.	0.4	5
42	Influence of Time and Frequency Domain Wave Forcing on the Power Estimation of a Wave Energy Converter Array. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 171.	2.6	3
43	Evaluating the Potential for Tidal Phase Diversity to Produce Smoother Power Profiles. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 246.	2.6	2
44	Modeling Sea Ice Effects for Wave Energy Resource Assessments. <i>Energies</i> , 2021, 14, 3482.	3.1	2
45	Effects of Tidal Stream Energy Extraction on Water Exchange and Transport Timescales. , 2017, , 259-278.		1
46	Evaluating the tidal energy resource for smooth power output and grid integration in the United States. , 2019, , .		0