

Wensheng Jiang

List of Publications by Year in descending order

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331538

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docs citations

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times ranked

1215
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.7	16
2	Decadal Variation and Regulation Mechanisms of the Suspended Sediment Concentration in the Bohai Sea, China. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	1.0	17
3	Spatiotemporal variation and mechanisms of temperature inversion in the Bay of Bengal and the eastern equatorial Indian Ocean. <i>Acta Oceanologica Sinica</i> , 2022, 41, 23-39.	0.4	2
4	Impacts of Instrumented Bottom Frame on Flow and Turbulence Measurements. <i>Journal of Atmospheric and Oceanic Technology</i> , 2022, 39, 1445-1456.	0.5	1
5	Quantification of numerical mixing in coastal ocean models through an offline method. <i>Ocean Engineering</i> , 2021, 222, 108588.	1.9	5
6	Adjoint Method-Based Algorithm for Calculating the Relative Dispersion Ratio in a Hydrodynamic System. <i>Journal of Ocean University of China</i> , 2021, 20, 790-802.	0.6	0
7	Dominant physical-biogeochemical drivers for the seasonal variations in the surface chlorophyll-a and subsurface chlorophyll-a maximum in the Bay of Bengal. <i>Regional Studies in Marine Science</i> , 2021, , 102022.	0.4	4
8	Analysis of tidal-induced connectivity among coastal regions in the Bohai Sea using the complex network theory. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 260, 107506.	0.9	5
9	Sediment concentration variations in the East China Seas over multiple timescales indicated by satellite observations. <i>Journal of Marine Systems</i> , 2020, 212, 103430.	0.9	11
10	Holographic astigmatic particle tracking velocimetry (HAPTIV). <i>Measurement Science and Technology</i> , 2020, 31, 065202.	1.4	8
11	Analytical solution to the 3D tide-induced Lagrangian residual current in a narrow bay with vertically varying eddy viscosity coefficient. <i>Ocean Dynamics</i> , 2020, 70, 759-770.	0.9	4
12	The M2 Cotidal Chart in the Bohai, Yellow, and East China Seas from Dynamically Constrained Interpolation. <i>Journal of Atmospheric and Oceanic Technology</i> , 2020, 37, 1219-1229.	0.5	8
13	Analytical Solution for 3D Tidal Flow with Vertically Varying Eddy Viscosity. <i>Journal of Ocean University of China</i> , 2019, 18, 771-783.	0.6	1
14	Improved Numerical Computing Method for the 3D Tidally Induced Lagrangian Residual Current and Its Application in a Model Bay with a Longitudinal Topography. <i>Journal of Ocean University of China</i> , 2019, 18, 1235-1246.	0.6	4
15	Long-term variation of storm surge-associated waves in the Bohai Sea. <i>Journal of Oceanology and Limnology</i> , 2019, 37, 1868-1878.	0.6	5
16	Research on the Risk Assessment of Qingdao Marine Disaster Based on Flooding. <i>Sustainability</i> , 2019, 11, 468.	1.6	8
17	3D Modal Solution for Tidally Induced Lagrangian Residual Velocity with Variations in Eddy Viscosity and Bathymetry in a Narrow Model Bay. <i>Journal of Ocean University of China</i> , 2019, 18, 69-79.	0.6	5
18	3D numerical computation of the tidally induced Lagrangian residual current in an idealized bay. <i>Ocean Dynamics</i> , 2019, 69, 283-300.	0.9	8

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19	Characteristics of tide–surge interaction and its roles in the distribution of surge residuals along the coast of China. <i>Journal of Oceanography</i> , 2019, 75, 225-234.	0.7	5
20	On Estimating Turbulent Reynolds Stress in Wavy Aquatic Environment. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 3060-3071.	1.0	35
21	Numerical study on factors influencing typhoon-induced storm surge distribution in Zhanjiang Harbor. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 215, 39-51.	0.9	18
22	Long-term hazard analysis of destructive storm surges using the ADCIRC- SWAN model: A case study of Bohai Sea, China. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018, 73, 52-62.	1.4	27
23	Improving land-based total nitrogen load allocation using a variable response matrix-based simulation–optimization approach: A case study. <i>Ecological Indicators</i> , 2018, 91, 575-588.	2.6	11
24	Paleo-temperature in the Yellow Sea during the mid-Holocene estimated using a numerical model. <i>Continental Shelf Research</i> , 2017, 143, 118-129.	0.9	1
25	Particle size distributions and organic-inorganic compositions of suspended particulate matters around the Bohai Strait. <i>Journal of Ocean University of China</i> , 2017, 16, 25-34.	0.6	1
26	The nonlinear effects of the eddy viscosity and the bottom friction on the Lagrangian residual velocity in a narrow model bay. <i>Ocean Dynamics</i> , 2017, 67, 1105-1118.	0.9	9
27	Quantitative Assessment on Multiple Timescale Features and Dynamics of Sea Surface Suspended Sediment Concentration Using Remote Sensing Data. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 8739-8752.	1.0	34
28	Estimation of the bottom stress and bottom drag coefficient in a highly asymmetric tidal bay using three independent methods. <i>Continental Shelf Research</i> , 2017, 140, 37-46.	0.9	17
29	Laboratory experiment on the 3D tide-induced Lagrangian residual current using the PIV technique. <i>Ocean Dynamics</i> , 2017, 67, 1567-1576.	0.9	4
30	Analytical solution of the nitracline with the evolution of subsurface chlorophyll maximum in stratified water columns. <i>Biogeosciences</i> , 2017, 14, 2371-2386.	1.3	14
31	Hydrography-Physical Description of the Bohai Sea. <i>Journal of Coastal Research</i> , 2016, 74, 1-12.	0.1	34
32	Changes of storm surges in the Bohai Sea derived from a numerical model simulation, 1961–2006. <i>Ocean Dynamics</i> , 2016, 66, 1301-1315.	0.9	11
33	Estimation of design sea ice thickness with maximum entropy distribution by particle swarm optimization method. <i>Journal of Ocean University of China</i> , 2016, 15, 423-428.	0.6	1
34	Numerical study on inter-tidal transports in coastal seas. <i>Journal of Ocean University of China</i> , 2016, 15, 379-388.	0.6	0
35	Mapping tidal residual circulations in the outer Xiangshan Bay using a numerical model. <i>Journal of Marine Systems</i> , 2016, 154, 181-191.	0.9	21
36	Assessing changes in extreme sea levels along the coast of China. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 8039-8051.	1.0	30

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37	Mechanisms of Tidal Oscillatory Salt Transport in a Partially Stratified Estuary. <i>Journal of Physical Oceanography</i> , 2015, 45, 2773-2789.	0.7	16
38	Storm Surge Case Studies. , 2015, , 181-196.		4
39	Extreme water level analysis at three stations on the coast of the Northwestern Pacific Ocean. <i>Ocean Dynamics</i> , 2015, 65, 1383-1397.	0.9	23
40	ADV-based estimates of sediment settling velocity on the shelf of the Yellow and East China seas: evidence of marked seasonal and intra-tidal variations. <i>Geo-Marine Letters</i> , 2015, 35, 53-60.	0.5	6
41	Core Self-Evaluations Mediate the Associations of Dispositional Optimism and Life Satisfaction. <i>PLoS ONE</i> , 2014, 9, e97752.	1.1	25
42	Summer and winter living coccolithophores in the Yellow Sea and the East China Sea. <i>Biogeosciences</i> , 2014, 11, 779-806.	1.3	42
43	Numerical computation of the tidally induced Lagrangian residual current in a model bay. <i>Ocean Dynamics</i> , 2014, 64, 471-486.	0.9	11
44	A model study on dynamical processes of phytoplankton in Laizhou Bay. <i>Journal of Ocean University of China</i> , 2014, 13, 23-31.	0.6	4
45	Autumn living coccolithophores in the Yellow Sea and the East China Sea. <i>Acta Oceanologica Sinica</i> , 2014, 33, 83-94.	0.4	3
46	A numerical study of tidal asymmetry: preferable asymmetry of nonlinear mechanisms in Xiangshan Bay, East China Sea. <i>Journal of Ocean University of China</i> , 2014, 13, 733-741.	0.6	13
47	3D analytical solution to the tidally induced Lagrangian residual current equations in a narrow bay. <i>Ocean Dynamics</i> , 2014, 64, 1073-1091.	0.9	18
48	Numerical prediction of storm surge in the Qingdao area under the impact of climate change. <i>Journal of Ocean University of China</i> , 2014, 13, 539-551.	0.6	16
49	The suspended sediment concentration distribution in the Bohai Sea, Yellow Sea and East China Sea. <i>Journal of Ocean University of China</i> , 2013, 12, 345-354.	0.6	25
50	Distributions of suspended sediment concentration in the Yellow Sea and the East China Sea based on field surveys during the four seasons of 2011. <i>Journal of Marine Systems</i> , 2013, 121-122, 24-35.	0.9	108
51	An exploratory model study of sediment transport sources and deposits in the Bohai Sea, Yellow Sea, and East China Sea. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 5908-5923.	1.0	145
52	An introduction to the special issue. <i>Journal of Ocean University of China</i> , 2013, 12, 521-523.	0.6	0
53	Estimates of reynolds stress and TKE production in the seasonally stratified East China Sea. <i>Journal of Ocean University of China</i> , 2013, 12, 549-556.	0.6	1
54	Seasonal variations of several main water masses in the southern Yellow Sea and East China Sea in 2011. <i>Journal of Ocean University of China</i> , 2013, 12, 524-536.	0.6	29

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55	Acquisition of the tide-induced Lagrangian residual current field by the PIV technique in the laboratory. <i>Ocean Dynamics</i> , 2013, 63, 1181-1188.	0.9	4
56	Laboratory experiments on the generation of internal waves on two kinds of continental margin. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	8
57	A numerical study of storm surges caused by cold-air outbreaks in the Bohai Sea. <i>Natural Hazards</i> , 2011, 59, 1-15.	1.6	42
58	Analytical solution for the tidally induced Lagrangian residual current in a narrow bay. <i>Ocean Dynamics</i> , 2011, 61, 543-558.	0.9	21
59	A numerical study of the effects of coastal geometry in the Bohai Sea on storm surges induced by cold-air outbreaks. <i>Journal of Ocean University of China</i> , 2011, 10, 9-15.	0.6	12
60	Coupling remote sensing retrieval with numerical simulation for SPM studyâ€”Taking Bohai Sea in China as a case. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2010, 12, S203-S211.	1.4	37
61	Terrigenous transportation to the Okinawa Trough and the influence of typhoons on suspended sediment concentration. <i>Continental Shelf Research</i> , 2010, 30, 1189-1199.	0.9	83
62	Comparisons of several evaporation/precipitation datasets for the Bohai Sea based on salinity simulation. <i>Journal of Ocean University of China</i> , 2009, 8, 209-214.	0.6	4
63	Study on the seasonal variation of the suspended sediment distribution and transportation in the East China Seas based on SeaWiFS data. <i>Journal of Ocean University of China</i> , 2008, 7, 385-392.	0.6	37
64	Observations of sediment resuspension and settling off the mouth of Jiaozhou Bay, Yellow Sea. <i>Continental Shelf Research</i> , 2008, 28, 2630-2643.	0.9	52
65	A 3-D numerical study of salinity variations in the Bohai Sea during the recent years. <i>Continental Shelf Research</i> , 2008, 28, 2689-2699.	0.9	59
66	Wave Climate Modeling on the Abandoned Huanghe (Yellow River) Delta Lobe and Related Deltaic Erosion. <i>Journal of Coastal Research</i> , 2006, 224, 906-918.	0.1	38
67	Size Spectrum of Suspended Particulate Matter in the Bohai Sea. , 2006, , .		0
68	A high resolution forecast model of storm surge inundation. <i>Journal of Ocean University of China</i> , 2005, 4, 108-114.	0.6	1
69	SPM transport in the Bohai Sea: field experiments and numerical modelling. <i>Journal of Marine Systems</i> , 2004, 44, 175-188.	0.9	65
70	Pore Water Nutrient Regeneration in Shallow Coastal Bohai Sea, China. <i>Journal of Oceanography</i> , 2003, 59, 377-385.	0.7	31
71	Three dimensional tide-induced circulation model on a triangular mesh. <i>International Journal for Numerical Methods in Fluids</i> , 2002, 38, 555-566.	0.9	4
72	A modelling study of SPM transport in the Bohai Sea. <i>Journal of Marine Systems</i> , 2000, 24, 175-200.	0.9	83

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73	Quantifying the Contribution of Each Driving Force to the Lagrangian Residual Velocity in Xiangshan Bay. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	0