

# Qing-Ping Zou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4948538/publications.pdf>

Version: 2024-02-01

87  
papers

2,156  
citations

257357

24  
h-index

243529

44  
g-index

87  
all docs

87  
docs citations

87  
times ranked

1615  
citing authors

#	ARTICLE	IF	CITATIONS
1	Widespread occurrence of microplastic pollution in open sea surface waters: Evidence from the mid-North Pacific Ocean. <i>Gondwana Research</i> , 2022, 108, 31-40.	3.0	20
2	Influence Mechanism of Geomorphological Evolution in a Tidal Lagoon with Rising Sea Level. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 108.	1.2	2
3	Influences of wave resonance on hydrodynamic efficiency and loading of an OWC array under oblique waves. <i>Applied Ocean Research</i> , 2022, 120, 103069.	1.8	15
4	Resilience of Critical Infrastructure Systems to Floods: A Coupled Probabilistic Network Flow and LISFLOOD-FP Model. <i>Water (Switzerland)</i> , 2022, 14, 683.	1.2	7
5	Infragravity wave amplification by isolated topography: Field observations and semi-analytical modeling. <i>Applied Ocean Research</i> , 2022, 122, 103119.	1.8	4
6	A Simple Model for a Fast Forewarning System of Brown Tide in the Coastal Waters of Qinhuangdao in the Bohai Sea, China. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6477.	1.3	2
7	Evolution of price policy for offshore wind energy in China: Trilemma of capacity, price and subsidy. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 136, 110366.	8.2	29
8	Partially reflected waves in water of finite depth. <i>Nonlinear Analysis: Real World Applications</i> , 2021, 59, 103272.	0.9	1
9	Morphodynamic Evolution of a Nourished Beach with Artificial Sandbars: Field Observations and Numerical Modeling. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 245.	1.2	15
10	Experimental investigation of a triple pontoon wave energy converter and breakwater hybrid system. <i>IET Renewable Power Generation</i> , 2021, 15, 3151-3164.	1.7	3
11	An Analytical Spectral Model for Infragravity Waves over Topography in Intermediate and Shallow Water under Nonbreaking Conditions. <i>Journal of Physical Oceanography</i> , 2021, 51, 2749-2765.	0.7	12
12	Impact of Anthropogenic Activities and Sea Level Rise on a Lagoon System: Model and Field Observations. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 1393.	1.2	5
13	Nonlinear tide-surge-wave interaction at a shallow coast with large scale sequential harbor constructions. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 233, 106543.	0.9	24
14	Wave loads on a land-based dual-chamber Oscillating Water Column wave energy device. <i>Coastal Engineering</i> , 2020, 160, 103744.	1.7	24
15	Total Maximum Allocated Load of Chemical Oxygen Demand Near Qinhuangdao in Bohai Sea: Model and Field Observations. <i>Water (Switzerland)</i> , 2020, 12, 1141.	1.2	7
16	Aquaculture farms as nature-based coastal protection: Random wave attenuation by suspended and submerged canopies. <i>Coastal Engineering</i> , 2020, 160, 103737.	1.7	39
17	Mechanisms for the Asymmetric Motion of Submerged Aquatic Vegetation in Waves: A Consistentâ€Mass Cable Model. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015517.	1.0	16
18	Evolution of Infragravity Waves Over a Shoal Under Nonbreaking Conditions. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015864.	1.0	12

#	ARTICLE	IF	CITATIONS
19	Responses of tidal modification and nonlinearity to large-scale sequential harbor constructions in the northeastern China. <i>Continental Shelf Research</i> , 2019, 182, 57-72.	0.9	8
20	Interaction mechanisms among waves, currents and a submerged plate. <i>Applied Ocean Research</i> , 2019, 91, 101911.	1.8	10
21	Effects of following and opposing vertical current shear on nonlinear wave interactions. <i>Applied Ocean Research</i> , 2019, 89, 23-35.	1.8	19
22	Coastal flooding from wave overtopping and sea level rise adaptation in the northeastern USA. <i>Coastal Engineering</i> , 2019, 150, 39-58.	1.7	53
23	Eulerian-Lagrangian flow-vegetation interaction model using immersed boundary method and OpenFOAM. <i>Advances in Water Resources</i> , 2019, 126, 176-192.	1.7	49
24	Wave-driven flow induced by suspended and submerged canopies. <i>Advances in Water Resources</i> , 2019, 123, 160-172.	1.7	25
25	Microplastics in the Northwestern Pacific: Abundance, distribution, and characteristics. <i>Science of the Total Environment</i> , 2019, 650, 1913-1922.	3.9	256
26	Characteristics of Wave Breaking and Blocking by Spatially Varying Opposing Currents. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 3761-3785.	1.0	11
27	A partial cell technique for modeling the morphological change and scour. <i>Coastal Engineering</i> , 2018, 131, 88-105.	1.7	14
28	Nonlinear and viscous effects on the hydrodynamic performance of a fixed OWC wave energy converter. <i>Coastal Engineering</i> , 2018, 131, 42-50.	1.7	82
29	Flow Separation and Vortex Dynamics in Waves Propagating over A Submerged Quartercircular Breakwater. <i>China Ocean Engineering</i> , 2018, 32, 514-523.	0.6	7
30	Wave load on submerged quarter-circular and semicircular breakwaters under irregular waves. <i>Coastal Engineering</i> , 2017, 121, 265-277.	1.7	24
31	Peak dynamic pressure on semi- and quarter-circular breakwaters under wave troughs. <i>China Ocean Engineering</i> , 2017, 31, 151-159.	0.6	7
32	Progress and Challenges in Incorporating Climate Change Information into Transportation Research and Design. <i>Journal of Infrastructure Systems</i> , 2017, 23, .	1.0	32
33	Wind and Current Effects on Extreme Wave Formation and Breaking. <i>Journal of Physical Oceanography</i> , 2017, 47, 1817-1841.	0.7	22
34	Coastal Flooding at the Gulf of Maine during the Patriot™s Day Storm. , 2017, , .		0
35	A COUPLED RANS-VOF AND FINITE ELEMENT MODEL FOR WAVE INTERACTION WITH HIGHLY FLEXIBLE VEGETATION. <i>Coastal Engineering Proceedings</i> , 2017, , 25.	0.1	4
36	THREE-LAYER ANALYTICAL SOLUTION FOR WAVE ATTENUATION BY SUSPENDED AND NONSUSPENDED VEGETATION CANOPY. <i>Coastal Engineering Proceedings</i> , 2017, , 27.	0.1	8

#	ARTICLE	IF	CITATIONS
37	MODELLING URBAN COASTAL FLOODING THROUGH 2-D ARRAY OF BUILDINGS USING SMOOTHED PARTICLE HYDRODYNAMICS. Coastal Engineering Proceedings, 2017, , 37.	0.1	0
38	EFFECT OF WAVE-CURRENT INTERACTION ON WAVES AND CIRCULATION OVER GEORGES BANK DURING STORM EVENTS. Coastal Engineering Proceedings, 2017, , 18.	0.1	0
39	Tide-surge and wave interaction in the Gulf of Maine during an extratropical storm. Ocean Dynamics, 2016, 66, 1715-1732.	0.9	19
40	An experimental investigation of hydrodynamics of a fixed OWC Wave Energy Converter. Applied Energy, 2016, 168, 636-648.	5.1	197
41	Application of SWAN+ADCIRC to tide-surge and wave simulation in Gulf of Maine during Patriot's Day storm. Water Science and Engineering, 2016, 9, 33-41.	1.4	53
42	SECOND-ORDER PARTIAL STANDING WAVE SOLUTION FOR A SLOPING BOTTOM. Coastal Engineering Proceedings, 2015, 1, 46.	0.1	0
43	Investigation of hydrodynamic performance of an OWC (oscillating water column) wave energy device using a fully nonlinear HOBEM (higher-order boundary element method). Energy, 2015, 83, 177-188.	4.5	120
44	Higher harmonics induced by waves propagating over a submerged obstacle in the presence of uniform current. China Ocean Engineering, 2014, 28, 725-738.	0.6	10
45	Current Effects on Nonlinear Wave Scattering by a Submerged Plate. Journal of Waterway, Port, Coastal and Ocean Engineering, 2014, 140, .	0.5	26
46	Investigation of slope instability induced by seepage and erosion by a particle method. Computers and Geotechnics, 2013, 48, 9-20.	2.3	34
47	An approximate solution for the wave energy shadow in the lee of an array of overtopping type wave energy converters. Coastal Engineering, 2013, 73, 115-132.	1.7	24
48	Ensemble prediction of coastal flood risk arising from overtopping by linking meteorological, ocean, coastal and surf zone models. Quarterly Journal of the Royal Meteorological Society, 2013, 139, 298-313.	1.0	35
49	Novel particle method for modelling the episodic collapse of soft coastal bluffs. Geomorphology, 2012, 138, 295-305.	1.1	10
50	A Preconditioned Implicit Free-Surface Capture Scheme for Large Density Ratio on Tetrahedral Grids. Communications in Computational Physics, 2012, 11, 215-248.	0.7	7
51	Air-water two-phase flow modelling of hydrodynamic performance of an oscillating water column device. Renewable Energy, 2012, 41, 159-170.	4.3	159
52	EFFECTS OF WAVE BREAKING AND BEACH SLOPE ON TOE SCOUR IN FRONT OF A VERTICAL SEAWALL. Coastal Engineering Proceedings, 2012, 1, 122.	0.1	4
53	MODELLING OF THE IMPACT OF A WAVE FARM ON NEARSHORE SEDIMENT TRANSPORT. Coastal Engineering Proceedings, 2012, , 66.	0.1	4
54	THE EFFECT OF DIFFRACTION ON THE REDISTRIBUTION OF WAVE ENERGY IN THE LEE OF AN OVERTOPPING TYPE WAVE ENERGY CONVERTER ARRAY. Coastal Engineering Proceedings, 2012, 1, 16.	0.1	1

#	ARTICLE	IF	CITATIONS
55	THE EFFECT OF EMBANKMENT CREST WIDTH ON COMBINED OVERFLOW AND WAVE OVERTOPPING. Coastal Engineering Proceedings, 2012, , 28.	0.1	1
56	Numerical simulation of overflow at vertical weirs using a hybrid level set/VOF method. Advances in Water Resources, 2011, 34, 1320-1334.	1.7	46
57	Modeling Floating Object Entry and Exit Using Smoothed Particle Hydrodynamics. Journal of Waterway, Port, Coastal and Ocean Engineering, 2011, 137, 213-224.	0.5	40
58	Spatial distribution of wave overtopping water behind coastal structures. Coastal Engineering, 2011, 58, 489-498.	1.7	20
59	Evolution of wave shape over a low-crested structure. Coastal Engineering, 2011, 58, 478-488.	1.7	50
60	Generation, Transformation, and Scattering of Long Waves Induced by a Short-Wave Group over Finite Topography. Journal of Physical Oceanography, 2011, 41, 1842-1859.	0.7	12
61	MODELLING WAVE-TIDE INTERACTIONS AT A WAVE FARM. Coastal Engineering Proceedings, 2011, 1, 34.	0.1	2
62	MODELLING STORM SURGE WAVE OVERTOPPING OF SEAWALLS WITH NEGATIVE FREEBOARD. Coastal Engineering Proceedings, 2011, 1, 52.	0.1	1
63	2D LARGE-EDDY SIMULATION OF WATER-WAVE IMPACT DURING VIOLENT OVERTOPPING EVENTS. Coastal Engineering Proceedings, 2011, 1, 16.	0.1	0
64	Numerical simulation of freeâ€surface flow using the levelâ€set method with global mass correction. International Journal for Numerical Methods in Fluids, 2010, 63, 651-680.	0.9	16
65	A novel coupled level set and volume of fluid method for sharp interface capturing on 3D tetrahedral grids. Journal of Computational Physics, 2010, 229, 2573-2604.	1.9	56
66	Diagnostic investigation of impulsive pressures induced by plunging breakers impinging on gravel beaches. Coastal Engineering, 2010, 57, 252-266.	1.7	23
67	Parameterisation and transformation of wave asymmetries over a low-crested breakwater. Coastal Engineering, 2009, 56, 1123-1132.	1.7	41
68	Simulation of spilling breaking waves using a two phase flow CFD model. Computers and Fluids, 2009, 38, 1995-2005.	1.3	51
69	TRANSFORMATION OF WAVE SKEWNESS AND ASYMMETRY OVER LOW-CRESTED BREAKWATERS. , 2009, , .		1
70	ENSEMBLE PREDICTION OF INUNDATION RISK AND UNCERTAINTY ARISING FROM SCOUR (EPIRUS). , 2009, , .		4
71	<b>15.</b> MODEL-DATA COMPARISONS OF WAVE SHAPE CHANGES OVER LOW-CRESTED BREAKWATERS. , 2009, , .		0
72	<b>77.</b> ON THE ROLE OF IMPULSIVE PRESSURES INDUCED BY PLUNGING BREAKERS ACTING ON GRAVEL BEACHES. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
73	USING A PARTICLE HYBRID METHOD TO MODEL COASTAL BLUFF COLLAPSE DURING EXTREME EVENTS. , 2009, , .		0
74	Ensemble Prediction of Inundation Risk and Uncertainty arising from Scour (EPIRUS). , 2008, , 137-142.		0
75	Wind-Vector Estimation for RADARSAT-1 SAR Images: Validation of Wind-Direction Estimates Based Upon Geometry Diversity. IEEE Geoscience and Remote Sensing Letters, 2007, 4, 176-180.	1.4	11
76	Vertical distribution of wave shear stress in variable water depth: Theory and field observations. Journal of Geophysical Research, 2006, 111, .	3.3	33
77	A new wind vector algorithm for C-band SAR. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 1453-1458.	2.7	52
78	Ocean wave spectra from a linear polarimetric SAR. IEEE Transactions on Geoscience and Remote Sensing, 2004, 42, 2623-2631.	2.7	32
79	A Simple Model for Random Wave Bottom Friction and Dissipation. Journal of Physical Oceanography, 2004, 34, 1459-1467.	0.7	18
80	Vertical structure of surface gravity waves propagating over a sloping seabed: Theory and field measurements. Journal of Geophysical Research, 2003, 108, .	3.3	25
81	The Vertical Structure of the Wave Bottom Boundary Layer over a Sloping Bed: Theory and Field Measurements. Journal of Physical Oceanography, 2003, 33, 1380-1400.	0.7	22
82	An Analytical Model of Wave Bottom Boundary Layers Incorporating Turbulent Relaxation and Diffusion Effects. Journal of Physical Oceanography, 2002, 32, 2441-2456.	0.7	12
83	Velocity Profiles Above and Within the Wave Bottom Boundary Layer Over a Sloping Bottom. , 2001, , 94.		2
84	A viscoelastic model for turbulent flow over undulating topography. Journal of Fluid Mechanics, 1998, 355, 81-112.	1.4	9
85	Gravity Wave Reflection at a Discontinuity in Bottom Slope. Journal of Physical Oceanography, 1993, 23, 1870-1871.	0.7	2
86	Wind vector inversion from RADARSAT SAR images: a new algorithm. , 0, , .		2
87	Validation of wind vector retrieval from ENVISAT ASAR images. , 0, , .		1