

# Qiaogao Huang

## List of Publications by Year in descending order

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40  
papers

637  
citations

516710

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h-index

610901

24  
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all docs

40  
docs citations

40  
times ranked

127  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transient analysis of the pre-whirl pump-jet propulsor with different blade numbers. <i>Ships and Offshore Structures</i> , 2023, 18, 846-858.	1.9	3
2	Investigation on the Propulsion of a Pump-Jet Propulsor in an Effective Wake. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2022, 144, .	1.5	12
3	Numerical investigation of movement patterns of particles falling in a viscous fluid. <i>Mechanics Research Communications</i> , 2022, 119, 103814.	1.8	1
4	Effects of aspect ratio on the hydrodynamics of a self-propelled flexible plate near the ground. <i>Physics of Fluids</i> , 2022, 34, 021908.	4.0	0
5	Effect of the odd and even number of blades on the hydrodynamic performance of a pre-swirl pumpjet propulsor. <i>Physics of Fluids</i> , 2022, 34, .	4.0	26
6	An investigation on the flow and vortical structure of a pre-swirl stator pump-jet propulsor in drift. <i>Ocean Engineering</i> , 2022, 250, 111061.	4.3	12
7	Numerical simulation of hydrodynamic and noise characteristics for a blended-wing-body underwater glider. <i>Ocean Engineering</i> , 2022, 252, 111056.	4.3	7
8	Effect of perturbations with different phases on the propulsive performance of rigid heaving foils. <i>Ocean Engineering</i> , 2022, 252, 111264.	4.3	4
9	Multi-path deep learning framework on discrete pressure points to predict velocity field of pump-jet propulsor. <i>Applied Ocean Research</i> , 2022, 123, 103173.	4.1	18
10	Numerical simulation of the wake dynamics of the pumpjet propulsor in oblique inflow. <i>Physics of Fluids</i> , 2022, 34, .	4.0	12
11	Framework for a variational Bayesian convolutional network for velocity field prediction and uncertainty quantification of a pump-jet propulsor. <i>Physics of Fluids</i> , 2022, 34, .	4.0	8
12	Prediction of Cavitation Performance over the Pump-Jet Propulsor Using Computational Fluid Dynamics and Hybrid Deep Learning Method. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 918.	2.6	4
13	Effects of duct parameter on pump-jet propulsor unsteady hydrodynamic performance. <i>Ocean Engineering</i> , 2021, 221, 108509.	4.3	31
14	Energy harvesting from flow-induced vibration of a low-mass square cylinder with different incidence angles. <i>AIP Advances</i> , 2021, 11, .	1.3	17
15	Assessment of transition modeling for the unsteady performance of a pump-jet propulsor in model scale. <i>Applied Ocean Research</i> , 2021, 108, 102537.	4.1	17
16	Comparison of hydrodynamic performance and wake vortices of two typical types of pumpjet propulsor. <i>Ocean Engineering</i> , 2021, 224, 108700.	4.3	31
17	Numerical investigation into the time-asymmetry effect on a plunging foil. <i>Ocean Engineering</i> , 2021, 225, 108833.	4.3	6
18	Numerical simulation of vortex instabilities in the wake of a preswirl pumpjet propulsor. <i>Physics of Fluids</i> , 2021, 33, .	4.0	42

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19	Hydrodynamic benefit of cephalic fins in a self-propelled flexible manta ray. <i>Physics of Fluids</i> , 2021, 33, .	4.0	6
20	Numerical study on hydrodynamic performance and flow noise of a hydrofoil with wavy leading-edge. <i>AIP Advances</i> , 2021, 11, 095105.	1.3	3
21	Effect of the duct and the pre-swirl stator on the wake dynamics of a pre-swirl pumpjet propulsor. <i>Ocean Engineering</i> , 2021, 237, 109620.	4.3	20
22	Numerical research on the influence of sail leading edge shapes on the hydrodynamic noise of a submarine. <i>Applied Ocean Research</i> , 2021, 117, 102935.	4.1	10
23	Hydrodynamic benefit of impulsive bursting in a self-propelled flexible plate. <i>Physics of Fluids</i> , 2021, 33, .	4.0	3
24	Effects of flexibility and motion parameters on a flapping foil at zero freestream velocity. <i>Ocean Engineering</i> , 2021, 242, 110061.	4.3	6
25	Propulsion Performance and Wake Dynamics of Heaving Foils under Different Waveform Input Perturbations. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 1271.	2.6	7
26	Comparative analysis of the hydrodynamic performance of pre-swirl stator pump-jet propulsor under different rotational speeds. <i>Xibeigongye Daxue Xuebao/Journal of Northwestern Polytechnical University</i> , 2021, 39, 945-953.	0.5	2
27	Effects of Blade Number on the Propulsion and Vortical Structures of Pre-Swirl Stator Pump-Jet Propulsors. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 1406.	2.6	12
28	Wake instabilities of a pre-swirl stator pump-jet propulsor. <i>Physics of Fluids</i> , 2021, 33, .	4.0	45
29	Influence of Various Stator Parameters on the Open-Water Performance of Pump-Jet Propulsion. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 1396.	2.6	8
30	Numerical analysis of unsteady hydrodynamic performance of pump-jet propulsor in oblique flow. <i>International Journal of Naval Architecture and Ocean Engineering</i> , 2020, 12, 102-115.	2.3	19
31	Numerical Prediction of the Pumpjet Propulsor Tip Clearance Vortex Cavitation in Uniform Flow. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2020, 25, 352-364.	0.9	9
32	Numerical simulation of hydrodynamic and cavitation performance of pumpjet propulsor with different tip clearances in oblique flow. <i>Ocean Engineering</i> , 2020, 209, 107285.	4.3	32
33	The transient prediction of a pre-swirl stator pump-jet propulsor and a comparative study of hybrid RANS/LES simulations on the wake vortices. <i>Ocean Engineering</i> , 2020, 203, 107224.	4.3	47
34	Computational Model Construction and Analysis of the Hydrodynamics of a <i>Rhinoptera Javanica</i> . <i>IEEE Access</i> , 2020, 8, 30410-30420.	4.2	19
35	The Effects of Reynolds Number on Energy Harvesting from FIV by a Square Cylinder. <i>Xibeigongye Daxue Xuebao/Journal of Northwestern Polytechnical University</i> , 2020, 38, 928-936.	0.5	2
36	Underwater radiated noise reduction technology using sawtooth duct for pumpjet propulsor. <i>Ocean Engineering</i> , 2019, 188, 106228.	4.3	51

#	ARTICLE	IF	CITATIONS
37	Transient analysis of the fluid flow on a pumpjet propulsor. Ocean Engineering, 2019, 191, 106520.	4.3	35
38	Numerical Investigation of Different Tip Clearances Effect on the Hydrodynamic Performance of Pumpjet Propulsor. International Journal of Computational Methods, 2018, 15, 1850037.	1.3	33
39	Numerical Simulation of Cavitation Characteristics for Pump-jet Propeller. Journal of Physics: Conference Series, 2015, 640, 012035.	0.4	13
40	The scale effects on the open water performance of a pump-jet propulsor. Journal of Marine Science and Technology, 0, , 1.	2.9	4