

Chun-Yu Guo

List of Publications by Year in descending order

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58
papers

941
citations

516710

16
h-index

526287

27
g-index

58
all docs

58
docs citations

58
times ranked

310
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical analysis of a propeller during heave motion in cavitating flow. <i>Applied Ocean Research</i> , 2017, 66, 131-145.	4.1	60
2	A numerical study on the correlation between the evolution of propeller trailing vortex wake and skew of propellers. <i>International Journal of Naval Architecture and Ocean Engineering</i> , 2018, 10, 212-224.	2.3	59
3	Analysis of the wake dynamics of a propeller operating before a rudder. <i>Ocean Engineering</i> , 2019, 188, 106250.	4.3	54
4	A comparative DES study of wake vortex evolution for ducted and non-ducted propellers. <i>Ocean Engineering</i> , 2018, 160, 78-93.	4.3	52
5	Influence of interceptors, stern flaps, and their combinations on the hydrodynamic performance of a deep-vee ship. <i>Ocean Engineering</i> , 2018, 170, 306-320.	4.3	51
6	Analysis of the performance of an oscillating propeller in cavitating flow. <i>Ocean Engineering</i> , 2018, 164, 23-39.	4.3	47
7	Numerical study of scale effect on the wake dynamics of a propeller. <i>Ocean Engineering</i> , 2020, 196, 106810.	4.3	34
8	Influence of jet flow on the hydrodynamic and noise performance of propeller. <i>Physics of Fluids</i> , 2021, 33, .	4.0	28
9	Real-Time Prediction of Large-Scale Ship Model Vertical Acceleration Based on Recurrent Neural Network. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 777.	2.6	25
10	Experimental research on resistance and motion attitude variation of shipâ€“waveâ€“ice interaction in marginal ice zones. <i>Marine Structures</i> , 2018, 58, 399-415.	3.8	24
11	Influence of a pre-swirl stator and rudder bulb system on the propulsion performance of a large-scale ship model. <i>Ocean Engineering</i> , 2020, 218, 108189.	4.3	24
12	Modified phase average algorithm for the wake of a propeller. <i>Physics of Fluids</i> , 2021, 33, .	4.0	24
13	Numerical simulation of propeller wake vortexâ€“rudder interaction in oblique flows. <i>Ships and Offshore Structures</i> , 2021, 16, 144-155.	1.9	23
14	Analysis of waterjet-hull interaction and its impact on the propulsion performance of a four-waterjet-propelled ship. <i>Ocean Engineering</i> , 2019, 180, 211-222.	4.3	22
15	Numerical research on the instabilities of CLT propeller wake. <i>Ocean Engineering</i> , 2022, 243, 110305.	4.3	22
16	Impact of skew on propeller tip vortex cavitation. <i>Ocean Engineering</i> , 2021, 220, 108479.	4.3	21
17	Experimental Investigation of the Resistance Performance and Heave and Pitch Motions of Ice-Going Container Ship Under Pack Ice Conditions. <i>China Ocean Engineering</i> , 2018, 32, 169-178.	1.6	17
18	Numerical analysis of the effects of stern flaps on ship resistance and propulsion performance. <i>Ocean Engineering</i> , 2019, 193, 106621.	4.3	17

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19	SPIV measurements and URANS simulations on the inlet velocity distribution for a waterjet-propelled ship with stabiliser fins. <i>Ocean Engineering</i> , 2019, 171, 120-130.	4.3	17
20	Experimental study on the wake fields of a Panamax Bulker based on stereo particle image velocimetry. <i>Ocean Engineering</i> , 2018, 165, 91-106.	4.3	16
21	Numerical investigation of scale effect of nominal wake of four-screw ship. <i>Ocean Engineering</i> , 2019, 183, 208-223.	4.3	16
22	Numerical Simulation on the Resistance Performance of Ice-Going Container Ship Under Brash Ice Conditions. <i>China Ocean Engineering</i> , 2018, 32, 546-556.	1.6	15
23	Intelligent ship anti-rolling control system based on a deep deterministic policy gradient algorithm and the Magnus effect. <i>Physics of Fluids</i> , 2022, 34, .	4.0	15
24	CFD simulation of propeller and rudder performance when using additional thrust fins. <i>Journal of Marine Science and Application</i> , 2007, 6, 27-31.	1.7	14
25	Numerical simulation and experimental research on wake field of ships under off-design conditions. <i>China Ocean Engineering</i> , 2016, 30, 821-834.	1.6	14
26	Hydrodynamic loads and wake dynamics of ducted propeller in oblique flow conditions. <i>Ships and Offshore Structures</i> , 2020, 15, 645-660.	1.9	14
27	Experimental and numerical study on the scale effect of stern flap on ship resistance and flow field. <i>Ships and Offshore Structures</i> , 2020, 15, 981-997.	1.9	14
28	Numerical Simulation of a Podded Propulsor in Viscous Flow. <i>Journal of Hydrodynamics</i> , 2009, 21, 71-76.	3.2	13
29	Two-dimensional simulation of the hydrodynamic performance of a cycloidal propeller. <i>Ocean Engineering</i> , 2020, 217, 107819.	4.3	12
30	Particle image velocimetry measurement of velocity distribution at inlet duct of waterjet self-propelled ship model. <i>Journal of Hydrodynamics</i> , 2017, 29, 879-893.	3.2	11
31	Experimental numerical analysis of added resistance to container ships under presence of wind wave loads. <i>PLoS ONE</i> , 2019, 14, e0221453.	2.5	11
32	Dynamics of stabilizer fins on the waterjet-propelled ship. <i>Ocean Engineering</i> , 2021, 222, 108595.	4.3	11
33	Study on self-propulsion experiment of ship model with energy-saving devices based on numerical simulation methods. <i>Ships and Offshore Structures</i> , 2015, 10, 669-677.	1.9	10
34	Large Eddy Simulation of Flow over Wavy Cylinders with Different Twisted Angles at a Subcritical Reynolds Number. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 227.	2.6	10
35	Numerical simulation of structural response during propeller-rudder interaction. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021, 15, 584-612.	3.1	10
36	Numerical and Experimental Study of Flow Field between the Main Hull and Demi-Hull of a Trimaran. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 975.	2.6	9

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37	Simulation strategy of the full-scale ship resistance and propulsion performance. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021, 15, 1321-1342.	3.1	9
38	Numerical Study on the Unsteady Hydrodynamic Performance of a Waterjet Impeller. <i>Journal of Coastal Research</i> , 2018, 341, 151-163.	0.3	8
39	Propulsion performance of large-scale ship model in real sea environment. <i>Ocean Engineering</i> , 2020, 210, 107440.	4.3	8
40	Numerical simulation and experimental research on hydrodynamic performance of propeller with varying shaft depths. <i>China Ocean Engineering</i> , 2014, 28, 271-282.	1.6	7
41	Numerical and experimental studies of hydrodynamic performance of bionic leading-edge tubercle airfoil. <i>Journal of Hydrodynamics</i> , 2019, 31, 1240-1249.	3.2	7
42	Influence of Ice Size Parameter Variation on Hydrodynamic Performance of Podded Propulsor. <i>China Ocean Engineering</i> , 2020, 34, 30-45.	1.6	7
43	Time-Resolved Particle Image Velocimetry Algorithm Based on Deep Learning. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-13.	4.7	6
44	Numerical and Experimental Study of Blockage Effect Correction Method in Towing Tank. <i>China Ocean Engineering</i> , 2019, 33, 522-536.	1.6	5
45	Investigation of the influence of an interceptor on the inlet velocity distribution of a waterjet-propelled ship using SPIV technology and RANS simulation. <i>Ships and Offshore Structures</i> , 2020, 15, 138-152.	1.9	5
46	Numerical Simulation on the Impact of A Liquid Square on Rigid Plate and Liquid Layer. <i>China Ocean Engineering</i> , 2020, 34, 362-373.	1.6	5
47	Numerical study on vortex shedding of cycloidal propellers. <i>Journal of Marine Science and Technology</i> , 2021, 26, 1217-1236.	2.9	5
48	Experimental study on bubble sweep-down characteristics of research vessels. <i>Ocean Engineering</i> , 2021, 228, 108963.	4.3	5
49	2D-3C PIV measurement of the near wake of a ducted propeller. <i>Ocean Engineering</i> , 2022, 252, 111223.	4.3	5
50	Using RANS to simulate the interaction and overall performance of propellers and rudders with thrust fins. <i>Journal of Marine Science and Application</i> , 2010, 9, 323-327.	1.7	4
51	Analysis of Hydrodynamic Performance of L-Type Podded Propulsion with Oblique Flow Angle. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 51.	2.6	4
52	Experimental Investigation of the Effect of Ice Blockage on Propeller Hydrodynamic Performance. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-19.	1.1	4
53	Influence on the hydrodynamic performance of a variable vector propeller of different rules of pitch angle change. <i>Journal of Marine Science and Application</i> , 2007, 6, 32-36.	1.7	3
54	Experimental study on hydrodynamics of L-type podded propulsor in straight-ahead motion and off-design conditions. <i>Journal of Marine Science and Application</i> , 2017, 16, 48-59.	1.7	2

#	ARTICLE	IF	CITATIONS
55	Analysis of hydrodynamic interference between two foils using a boundary element method. Ocean Engineering, 2020, 199, 106737.	4.3	2
56	LNG Tank Sloshing Simulation of Multidegree Motions Based on Modified 3D MPS Method. Mathematical Problems in Engineering, 2020, 2020, 1-14.	1.1	2
57	Predicting ship ramming performance in thick level ice via experiments. Ships and Offshore Structures, 0, , 1-9.	1.9	2
58	Hydrodynamic analysis of cycloidal propellers. Ships and Offshore Structures, 0, , 1-14.	1.9	0