

Zhaoyong Mao

List of Publications by Year in descending order

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times ranked

512
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis and Optimal Design of a WPT Coupler for Underwater Vehicles Using Non-Dominated Sorting Genetic Algorithm. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2015.	2.5	9
2	Optimization of Transfer Quality Factor of Limited-Size Coils for Series-Series Compensated Inductive Power Transfer System. <i>Magnetochemistry</i> , 2022, 8, 30.	2.4	4
3	A Novel Conformal Coil Structure Design of Wireless Power Transfer System for Autonomous Underwater Vehicles. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 875.	2.6	5
4	Numerical investigation on vortex-induced vibration suppression of the cactus-inspired cylinder with some ribs. <i>Physics of Fluids</i> , 2021, 33, .	4.0	16
5	Suppression of vortex-induced vibration of a cactus-inspired cylinder near a free surface. <i>Physics of Fluids</i> , 2021, 33, .	4.0	15
6	Vortex-induced vibration response of a cactus-inspired cylinder near a stationary wall. <i>Physics of Fluids</i> , 2021, 33, .	4.0	6
7	Analysis of the Mutual Impedance of Coils Immersed in Water. <i>Magnetochemistry</i> , 2021, 7, 113.	2.4	5
8	Layout optimization of an inertial energy harvester for miniature underwater mooring platforms. <i>Marine Structures</i> , 2020, 69, 102681.	3.8	14
9	Numerical investigation of wind turbines and turbine arrays on highways. <i>Renewable Energy</i> , 2020, 147, 384-398.	8.9	24
10	The effects of submergence depth on Vortex-Induced Vibration (VIV) and energy harvesting of a circular cylinder. <i>Renewable Energy</i> , 2020, 151, 931-945.	8.9	38
11	Numerical investigation on VIV suppression of the cylinder with the bionic surface inspired by giant cactus. <i>Ocean Engineering</i> , 2020, 214, 107775.	4.3	21
12	Performance evaluation of a two-directional energy harvester with low-frequency vibration. <i>Smart Materials and Structures</i> , 2020, 29, 055006.	3.5	6
13	Numerical investigation on vortex-induced vibration of bluff bodies with different rear edges. <i>Ocean Engineering</i> , 2020, 197, 106871.	4.3	21
14	A Method for Reducing Cogging Torque of Integrated Propulsion Motor. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 236.	2.6	5
15	Reduction of Hydrodynamic Noise of 3D Hydrofoil with Spanwise Microgrooved Surfaces Inspired by Sharkskin. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 136.	2.6	19
16	Numerical investigation on VIV suppression of marine riser with triangle groove strips attached on its surface. <i>International Journal of Naval Architecture and Ocean Engineering</i> , 2019, 11, 875-882.	2.3	18
17	Numerical study of a passive-pitch shield for the efficiency improvement of vertical axis wind turbines. <i>Energy Conversion and Management</i> , 2019, 183, 732-745.	9.2	20
18	Application of Shielding Coils in Efficiency Optimization for Underwater WPT Systems. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Hydrodynamic Noise Characteristics of a Marine Current Turbine. , 2019, , .		0
20	Numerical Investigation on Vortex-Induced Vibration Suppression of a Circular Cylinder with Axial-Slats. Journal of Marine Science and Engineering, 2019, 7, 454.	2.6	8
21	Noise Characteristics Analysis of the Horizontal Axis Hydrokinetic Turbine Designed for Unmanned Underwater Mooring Platforms. Journal of Marine Science and Engineering, 2019, 7, 465.	2.6	12
22	Design, test and numerical simulation of a low-speed horizontal axis hydrokinetic turbine. International Journal of Naval Architecture and Ocean Engineering, 2018, 10, 782-793.	2.3	59
23	Shape optimization of a Savonius wind rotor with different convex and concave sides. Renewable Energy, 2018, 117, 287-299.	8.9	127
24	Optimal design of power generation equipment for autonomous underwater vehicle. Advances in Mechanical Engineering, 2018, 10, 168781401880950.	1.6	0
25	Research on wireless power transfer system for Torpedo autonomous underwater vehicles. Advances in Mechanical Engineering, 2018, 10, 168781401880256.	1.6	11
26	Eddy current loss analysis of underwater wireless power transfer systems with misalignments. AIP Advances, 2018, 8, .	1.3	18
27	Numerical investigation of a small water turbine used for the power supply of underwater vehicles. Advances in Mechanical Engineering, 2018, 10, 168781401878365.	1.6	5
28	Numerical study of energy recovery from the wakes of moving vehicles on highways by using a vertical axis wind turbine. Energy, 2017, 141, 715-728.	8.8	41
29	Numerical Simulations of a VAWT in the Wake of a Moving Car. Energies, 2017, 10, 478.	3.1	15
30	Design and Numerical Simulations of a Flow Induced Vibration Energy Converter for Underwater Mooring Platforms. Energies, 2017, 10, 1427.	3.1	5
31	Structure Optimization of a Vibration Suppression Device for Underwater Moored Platforms Using CFD and Neural Network. Complexity, 2017, 2017, 1-21.	1.6	6
32	Layout Optimization of Two Autonomous Underwater Vehicles for Drag Reduction with a Combined CFD and Neural Network Method. Complexity, 2017, 2017, 1-15.	1.6	14
33	Discrete-Time Dynamical Maximum Power Tracking Control for a Vertical Axis Water Turbine with Retractable Blades. Discrete Dynamics in Nature and Society, 2016, 2016, 1-11.	0.9	0
34	Influence analysis of blade chord length on the performance of a four-bladed Wollongong wind turbine. Journal of Renewable and Sustainable Energy, 2016, 8, 023303.	2.0	6
35	Design and analysis for the heat dissipation characteristics of battery rack in an AUV. , 2016, , .		0
36	Laboratory experiments on the energy extraction of a sealed ocean kinetic energy harvester for underwater mooring platforms. Journal of Renewable and Sustainable Energy, 2015, 7, .	2.0	6

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37	Effect of the blade arc angle on the performance of a Savonius wind turbine. <i>Advances in Mechanical Engineering</i> , 2015, 7, 168781401558424.	1.6	32
38	Adaptive backstepping control of wheeled inverted pendulums models. <i>Nonlinear Dynamics</i> , 2015, 79, 501-511.	5.2	96
39	Notice of Retraction Reliability assessment of products based on performance degradation data with outliers paper. , 2013, , .		1
40	Empirical Bayesian estimation of wiener process with integrated degradation data and life data. , 2013, , .		3
41	Reliability estimations of Burr-XII distribution under entropy loss function. , 2011, , .		3
42	Small sample maintainability test data fusion method based on ML-II. , 2011, , .		0
43	Statistical analysis of generalized exponential distribution under progressive censoring with binomial removals. <i>Journal of Systems Engineering and Electronics</i> , 2011, 22, 707-714.	2.2	7
44	Path parameters consensus based formation control for multiple mobile robots. , 2010, , .		1
45	The Sampling Inspection Method Based on Sequential Posterior Odd Test. , 2010, , .		0