Zhaoyong Mao

List of Publications by Year
in descending order

45	722	567281	552781
papers	citations	15	26
		h-index	g-index

45	45	45	512
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Shape optimization of a Savonius wind rotor with different convex and concave sides. Renewable Energy, 2018, 117, 287-299.	8.9	127
2	Adaptive backstepping control of wheeled inverted pendulums models. Nonlinear Dynamics, 2015, 79, 501-511.	5.2	96
3	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
4	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
5	The effects of submergence depth on Vortex-Induced Vibration (VIV) and energy harvesting of a circular cylinder. Renewable Energy, 2020, 151, 931-945.	8.9	38
6	Effect of the blade arc angle on the performance of a Savonius wind turbine. Advances in Mechanical Engineering, 2015, 7, 168781401558424.	1.6	32
7	Numerical investigation of wind turbines and turbine arrays on highways. Renewable Energy, 2020, 147, 384-398.	8.9	24
8	Numerical investigation on VIV suppression of the cylinder with the bionic surface inspired by giant cactus. Ocean Engineering, 2020, 214, 107775.	4.3	21
9	Numerical investigation on vortex-induced vibration of bluff bodies with different rear edges. Ocean Engineering, 2020, 197, 106871.	4.3	21
10	Numerical study of a passive-pitch shield for the efficiency improvement of vertical axis wind turbines. Energy Conversion and Management, 2019, 183, 732-745.	9.2	20
11	Reduction of Hydrodynamic Noise of 3D Hydrofoil with Spanwise Microgrooved Surfaces Inspired by Sharkskin. Journal of Marine Science and Engineering, 2019, 7, 136.	2.6	19
12	Eddy current loss analysis of underwater wireless power transfer systems with misalignments. AIP Advances, 2018, 8, .	1.3	18
13	Numerical investigation on VIV suppression of marine riser with triangle groove strips attached on its surface. International Journal of Naval Architecture and Ocean Engineering, 2019, 11, 875-882.	2.3	18
14	Numerical investigation on vortex-induced vibration suppression of the cactus-inspired cylinder with some ribs. Physics of Fluids, 2021, 33, .	4.0	16
15	Numerical Simulations of a VAWT in the Wake of a Moving Car. Energies, 2017, 10, 478.	3.1	15
16	Suppression of vortex-induced vibration of a cactus-inspired cylinder near a free surface. Physics of Fluids, 2021, 33, .	4.0	15
17	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
18	Layout optimization of an inertial energy harvester for miniature underwater mooring platforms. Marine Structures, 2020, 69, 102681.	3.8	14

#	ARTICLE	IF	CITATIONS
19	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
20	Research on wireless power transfer system for Torpedo autonomous underwater vehicles. Advances in Mechanical Engineering, 2018, 10, 168781401880256.	1.6	11
21	Analysis and Optimal Design of a WPT Coupler for Underwater Vehicles Using Non-Dominated Sorting Genetic Algorithm. Applied Sciences (Switzerland), 2022, 12, 2015.	2.5	9
22	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
23	Statistical analysis of generalized exponential distribution under progressive censoring with binomial removals. Journal of Systems Engineering and Electronics, 2011, 22, 707-714.	2.2	7
24	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
25	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
26	Structure Optimization of a Vibration Suppression Device for Underwater Moored Platforms Using CFD and Neural Network. Complexity, 2017, 2017, 1-21.	1.6	6
27	Performance evaluation of a two-directional energy harvester with low-frequency vibration. Smart Materials and Structures, 2020, 29, 055006.	3.5	6
28	Vortex-induced vibration response of a cactus-inspired cylinder near a stationary wall. Physics of Fluids, 2021, 33, .	4.0	6
29	Design and Numerical Simulations of a Flow Induced Vibration Energy Converter for Underwater Mooring Platforms. Energies, 2017, 10, 1427.	3.1	5
30	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
31	A Method for Reducing Cogging Torque of Integrated Propulsion Motor. Journal of Marine Science and Engineering, 2019, 7, 236.	2.6	5
32	Analysis of the Mutual Impedance of Coils Immersed in Water. Magnetochemistry, 2021, 7, 113.	2.4	5
33	A Novel Conformal Coil Structure Design of Wireless Power Transfer System for Autonomous Underwater Vehicles. Journal of Marine Science and Engineering, 2022, 10, 875.	2.6	5
34	Optimization of Transfer Quality Factor of Limited-Size Coils for Series-Series Compensated Inductive Power Transfer System. Magnetochemistry, 2022, 8, 30.	2.4	4
35	Reliability estimations of Burr-XII distribution under entropy loss function. , 2011, , .		3
36	Empirical Bayesian estimation of wiener process with integrated degradation data and life data. , 2013, , .		3

#	Article	IF	Citations
37	Path parameters consensus based formation control for multiple mobile robots. , 2010, , .		1
38	Notice of Retraction Reliability assessment of products based on performance degradation data with outliers paper. , 2013, , .		1
39	The Sampling Inspection Method Based on Sequential Posterior Odd Test. , 2010, , .		0
40	Small sample maintainability test data fusion method based on ML-II. , 2011, , .		0
41	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
42	Design and analysis for the heat dissipation characteristics of battery rack in an AUV. , 2016, , .		0
43	Optimal design of power generation equipment for autonomous underwater vehicle. Advances in Mechanical Engineering, 2018, 10, 168781401880950.	1.6	0
44	Application of Shielding Coils in Efficiency Optimization for Underwater WPT Systems. , 2019, , .		0
45	Hydrodynamic Noise Characteristics of a Marine Current Turbine. , 2019, , .		0