

Zhaoyong Mao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/357302/publications.pdf>

Version: 2024-02-01

45
papers

722
citations

567144

15
h-index

552653

26
g-index

45
all docs

45
docs citations

45
times ranked

512
citing authors

#	ARTICLE	IF	CITATIONS
1	Shape optimization of a Savonius wind rotor with different convex and concave sides. <i>Renewable Energy</i> , 2018, 117, 287-299.	4.3	127
2	Adaptive backstepping control of wheeled inverted pendulums models. <i>Nonlinear Dynamics</i> , 2015, 79, 501-511.	2.7	96
3	Design, test and numerical simulation of a low-speed horizontal axis hydrokinetic turbine. <i>International Journal of Naval Architecture and Ocean Engineering</i> , 2018, 10, 782-793.	1.0	59
4	Numerical study of energy recovery from the wakes of moving vehicles on highways by using a vertical axis wind turbine. <i>Energy</i> , 2017, 141, 715-728.	4.5	41
5	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.	4.3	38
6	Effect of the blade arc angle on the performance of a Savonius wind turbine. <i>Advances in Mechanical Engineering</i> , 2015, 7, 168781401558424.	0.8	32
7	Numerical investigation of wind turbines and turbine arrays on highways. <i>Renewable Energy</i> , 2020, 147, 384-398.	4.3	24
8	Numerical investigation on VIV suppression of the cylinder with the bionic surface inspired by giant cactus. <i>Ocean Engineering</i> , 2020, 214, 107775.	1.9	21
9	Numerical investigation on vortex-induced vibration of bluff bodies with different rear edges. <i>Ocean Engineering</i> , 2020, 197, 106871.	1.9	21
10	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.	4.4	20
11	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.	1.2	19
12	Eddy current loss analysis of underwater wireless power transfer systems with misalignments. <i>AIP Advances</i> , 2018, 8, .	0.6	18
13	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.	1.0	18
14	Numerical investigation on vortex-induced vibration suppression of the cactus-inspired cylinder with some ribs. <i>Physics of Fluids</i> , 2021, 33, .	1.6	16
15	Numerical Simulations of a VAWT in the Wake of a Moving Car. <i>Energies</i> , 2017, 10, 478.	1.6	15
16	Suppression of vortex-induced vibration of a cactus-inspired cylinder near a free surface. <i>Physics of Fluids</i> , 2021, 33, .	1.6	15
17	Layout Optimization of Two Autonomous Underwater Vehicles for Drag Reduction with a Combined CFD and Neural Network Method. <i>Complexity</i> , 2017, 2017, 1-15.	0.9	14
18	Layout optimization of an inertial energy harvester for miniature underwater mooring platforms. <i>Marine Structures</i> , 2020, 69, 102681.	1.6	14

#	ARTICLE	IF	CITATIONS
19	Noise Characteristics Analysis of the Horizontal Axis Hydrokinetic Turbine Designed for Unmanned Underwater Mooring Platforms. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 465.	1.2	12
20	Research on wireless power transfer system for Torpedo autonomous underwater vehicles. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401880256.	0.8	11
21	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.	1.3	9
22	Numerical Investigation on Vortex-Induced Vibration Suppression of a Circular Cylinder with Axial-Slats. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 454.	1.2	8
23	Statistical analysis of generalized exponential distribution under progressive censoring with binomial removals. <i>Journal of Systems Engineering and Electronics</i> , 2011, 22, 707-714.	1.1	7
24	Laboratory experiments on the energy extraction of a sealed ocean kinetic energy harvester for underwater mooring platforms. <i>Journal of Renewable and Sustainable Energy</i> , 2015, 7, .	0.8	6
25	Influence analysis of blade chord length on the performance of a four-bladed Wollongong wind turbine. <i>Journal of Renewable and Sustainable Energy</i> , 2016, 8, 023303.	0.8	6
26	Structure Optimization of a Vibration Suppression Device for Underwater Moored Platforms Using CFD and Neural Network. <i>Complexity</i> , 2017, 2017, 1-21.	0.9	6
27	Performance evaluation of a two-directional energy harvester with low-frequency vibration. <i>Smart Materials and Structures</i> , 2020, 29, 055006.	1.8	6
28	Vortex-induced vibration response of a cactus-inspired cylinder near a stationary wall. <i>Physics of Fluids</i> , 2021, 33, .	1.6	6
29	Design and Numerical Simulations of a Flow Induced Vibration Energy Converter for Underwater Mooring Platforms. <i>Energies</i> , 2017, 10, 1427.	1.6	5
30	Numerical investigation of a small water turbine used for the power supply of underwater vehicles. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401878365.	0.8	5
31	A Method for Reducing Cogging Torque of Integrated Propulsion Motor. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 236.	1.2	5
32	Analysis of the Mutual Impedance of Coils Immersed in Water. <i>Magnetochemistry</i> , 2021, 7, 113.	1.0	5
33	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.	1.2	5
34	Optimization of Transfer Quality Factor of Limited-Size Coils for Series-Series Compensated Inductive Power Transfer System. <i>Magnetochemistry</i> , 2022, 8, 30.	1.0	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.	0.5	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.	0.8	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