

# Lianhong Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

401  
citations

933410

10  
h-index

794568

19  
g-index

31  
all docs

31  
docs citations

31  
times ranked

146  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic Model and Motion Characteristics of an Underwater Glider with Manta-inspired Wings. Journal of Bionic Engineering, 2022, 19, 1-15.	5.0	6
2	Research on Sailing Efficiency of Hybrid-Driven Underwater Glider at Zero Angle of Attack. Journal of Marine Science and Engineering, 2022, 10, 21.	2.6	6
3	Dynamic behavior analysis and bio-inspired improvement of underwater glider with passive buoyancy compensation gas. Ocean Engineering, 2022, 257, 111644.	4.3	4
4	Multidisciplinary design optimization of underwater glider for improving endurance. Structural and Multidisciplinary Optimization, 2021, 63, 2835-2851.	3.5	30
5	Experimental study on the cross-shear roll bending process. International Journal of Advanced Manufacturing Technology, 2021, 115, 1487-1496.	3.0	3
6	The Optimal Lift-€œDrag Ratio of Underwater Glider for Improving Sailing Efficiency. IEEE Journal of Oceanic Engineering, 2021, 46, 808-816.	3.8	8
7	Quantitative evaluation of motion performances of underwater gliders considering ocean currents. Ocean Engineering, 2021, 236, 109501.	4.3	10
8	Dynamic-thermal modeling and motion analysis for deep-sea glider with passive buoyancy compensation liquid. Ocean Engineering, 2021, 238, 109704.	4.3	11
9	Corrections to “The Optimal Lift-€œDrag Ratio of Underwater Glider for Improving Sailing Efficiency” IEEE Journal of Oceanic Engineering, 2021, , 1-1.	3.8	0
10	Design and optimization of a bio-inspired hull shape for AUV by surrogate model technology. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 1057-1074.	3.1	17
11	Design, hydrodynamic analysis, and testing of a bioinspired controllable wing mechanism with multi-locomotion modes for hybrid-driven underwater gliders. Science China Technological Sciences, 2021, 64, 2688-2708.	4.0	9
12	A Bionic Flexible-bodied Underwater Glider with Neutral Buoyancy. Journal of Bionic Engineering, 2021, 18, 1073-1085.	5.0	3
13	Evaluation models and criteria of motion performance for underwater gliders. Applied Ocean Research, 2020, 102, 102286.	4.1	12
14	Optimization design of neutrally buoyant hull for underwater gliders. Ocean Engineering, 2020, 209, 107512.	4.3	29
15	WAYS OF VOCALISTSâ€™™ PROFESSIONAL TRAINING IMPROVEMENT IN THE SYSTEM OF HIGHER MUSIC EDUCATION OF CHINA. , 2020, , 31-40.	0.0	0
16	Motion parameter optimization for gliding strategy analysis of underwater gliders. Ocean Engineering, 2019, 191, 106502.	4.3	73
17	Computational Fluid Dynamics Prediction of the Dynamic Behavior of Autonomous Underwater Vehicles. IEEE Journal of Oceanic Engineering, 2019, , 1-16.	3.8	4
18	Deployment dynamics modeling and analysis for mesh reflector antennas considering the motion feasibility. Nonlinear Dynamics, 2018, 91, 549-564.	5.2	28

#	ARTICLE	IF	CITATIONS
19	Dynamic modeling and motion control strategy for deep-sea hybrid-driven underwater gliders considering hull deformation and seawater density variation. <i>Ocean Engineering</i> , 2017, 143, 66-78.	4.3	81
20	Hydrodynamic shape genealogy for teardrop-shaped Autonomous Underwater Vehicles. , 2017, , .		1
21	Influence of the propeller on motion performance of HUGs. , 2016, , .		1
22	Uncertainty behavior research of hybrid underwater glider. , 2016, , .		1
23	Dynamic behaviors of autonomous underwater vehicles considering lateral flow. , 2016, , .		0
24	Novel approach to and implementation of design and analysis of armored face conveyor power train. <i>Science China Technological Sciences</i> , 2015, 58, 2153-2168.	4.0	11
25	Active precision design for complex machine tools: methodology and case study. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 80, 581-590.	3.0	11
26	A Wear Model of Plane Sliding Pairs Based on Fatigue Contact Analysis of Asperities. <i>Tribology Transactions</i> , 2015, 58, 148-157.	2.0	24
27	Modelling of the transmission system in conveying equipment based on Euler method with application. <i>Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics</i> , 2014, 228, 294-306.	0.8	5
28	A Novel Sensitivity Analysis Method in Structural Performance of Hydraulic Press. <i>Mathematical Problems in Engineering</i> , 2012, 2012, 1-21.	1.1	5
29	Modeling of Single-Sided Piercing Riveting Process. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2010, 132, .	2.2	2
30	Structure Performance Sensitivity Analysis of Hydraulic Press Upper Beam. , 2010, , .		0
31	Reinforcement of Biodegradable Poly(DL-lactic acid) Material by Equal-Channel Angular Extrusion. <i>Macromolecular Symposia</i> , 2006, 242, 55-59.	0.7	6