Di Lu

List of Publications by Year
in descending order

17 papers	300 citations	933447 10 h-index	1199594 12 g-index
17 all docs	17 docs citations	17 times ranked	135 citing authors

#	ARTICLE	IF	CITATIONS
1	Takeoff and Landing Control of a Hybrid Aerial Underwater Vehicle on Disturbed Water's Surface. IEEE Journal of Oceanic Engineering, 2022, 47, 295-311.	3.8	11
2	Modeling, characterization and control of a piston-driven buoyancy system for a hybrid aerial underwater vehicle. Applied Ocean Research, 2022, 120, 102925.	4.1	9
3	Toward a gliding hybrid aerial underwater vehicle: Design, fabrication, and experiments. Journal of Field Robotics, 2022, 39, 543-556.	6.0	23
4	Trans-Media Kinematic Stability Analysis for Hybrid Unmanned Aerial Underwater Vehicle. Journal of Marine Science and Engineering, 2022, 10, 275.	2.6	11
5	Review of hybrid aerial underwater vehicle: Cross-domain mobility and transitions control. Ocean Engineering, 2022, 248, 110840.	4.3	38
6	Dynamics and control of hybrid aerial underwater vehicle subject to disturbances. Ocean Engineering, 2022, 250, 110933.	4.3	13
7	Experimental study on trans-media hydrodynamics of a cylindrical hybrid unmanned aerial underwater vehicle. Ocean Engineering, 2022, 252, 111190.	4.3	7
8	Design, fabrication, and characterization of a multimodal hybrid aerial underwater vehicle. Ocean Engineering, 2021, 219, 108324.	4.3	42
9	Adaptive Dynamic Surface Control for a Hybrid Aerial Underwater Vehicle With Parametric Dynamics and Uncertainties. IEEE Journal of Oceanic Engineering, 2020, 45, 740-758.	3.8	43
10	Rapidly-Exploring Adaptive Sampling Tree*: A Sample-Based Path-Planning Algorithm for Unmanned Marine Vehicles Information Gathering in Variable Ocean Environments. Sensors, 2020, 20, 2515.	3.8	19
11	Path Planning of Multiple Unmanned Marine Vehicles for Adaptive Ocean Sampling Using Elite Group-Based Evolutionary Algorithms. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 99, 875-889.	3.4	16
12	Smartfloat: A Multimodal Underwater Vehicle Combining Float and Glider Capabilities. IEEE Access, 2019, 7, 77825-77838.	4.2	21
13	Hybrid Aerial-Aquatic Vehicle for Large Scale High Spatial Resolution Marine Observation. , 2019, , .		2
14	A Multimodal Aerial Underwater Vehicle with Extended Endurance and Capabilities. , 2019, , .		26
15	Combined Small-Sized USV and ROV Observation System for Long-Term, Large-Scale, Spatially Explicit Aquatic Monitoring. , 2018, , .		1
16	Multi-Mode Hybrid Aerial Underwater Vehicle with Extended Endurance. , 2018, , .		15
17	A bio-inspired underwater glider with undulatory fin for long-duration, spatially explicit water column sampling. , 2016, , .		3