Di Lu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3858276/publications.pdf

Version: 2024-02-01

17	300	933447 10	1199594 12
papers	citations	h-index	g-index

17	17	17	135
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Design, fabrication, and characterization of a multimodal hybrid aerial underwater vehicle. Ocean Engineering, 2021, 219, 108324.	4.3	42
3	Review of hybrid aerial underwater vehicle: Cross-domain mobility and transitions control. Ocean Engineering, 2022, 248, 110840.	4.3	38
4	A Multimodal Aerial Underwater Vehicle with Extended Endurance and Capabilities. , 2019, , .		26
5	Toward a gliding hybrid aerial underwater vehicle: Design, fabrication, and experiments. Journal of Field Robotics, 2022, 39, 543-556.	6.0	23
6	Smartfloat: A Multimodal Underwater Vehicle Combining Float and Glider Capabilities. IEEE Access, 2019, 7, 77825-77838.	4.2	21
7	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
8	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
9	Multi-Mode Hybrid Aerial Underwater Vehicle with Extended Endurance. , 2018, , .		15
10	Dynamics and control of hybrid aerial underwater vehicle subject to disturbances. Ocean Engineering, 2022, 250, 110933.	4.3	13
11	Takeoff and Landing Control of a Hybrid Aerial Underwater Vehicle on Disturbed Waterâ€™s Surface. IEEE Journal of Oceanic Engineering, 2022, 47, 295-311.	3.8	11
12	Trans-Media Kinematic Stability Analysis for Hybrid Unmanned Aerial Underwater Vehicle. Journal of Marine Science and Engineering, 2022, 10, 275.	2.6	11
13	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
14	Experimental study on trans-media hydrodynamics of a cylindrical hybrid unmanned aerial underwater vehicle. Ocean Engineering, 2022, 252, 111190.	4.3	7
15	A bio-inspired underwater glider with undulatory fin for long-duration, spatially explicit water column sampling. , 2016, , .		3
16	Hybrid Aerial-Aquatic Vehicle for Large Scale High Spatial Resolution Marine Observation. , 2019, , .		2
17	Combined Small-Sized USV and ROV Observation System for Long-Term, Large-Scale, Spatially Explicit Aquatic Monitoring. , 2018, , .		1