

# Zhuoyuan Song

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

215  
citations

1162889

8  
h-index

1474057

9  
g-index

32  
all docs

32  
docs citations

32  
times ranked

129  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-Term Inertial Navigation Aided by Dynamics of Flow Field Features. IEEE Journal of Oceanic Engineering, 2018, 43, 940-954.	2.1	30
2	Multi-vehicle cooperation and nearly fuel-optimal flock guidance in strong background flows. Ocean Engineering, 2017, 141, 388-404.	1.9	26
3	Wear-life analysis of deep groove ball bearings based on Archard wear theory. Journal of Mechanical Science and Technology, 2018, 32, 3329-3336.	0.7	19
4	A Compact Autonomous Underwater Vehicle With Cephalopod-Inspired Propulsion. Marine Technology Society Journal, 2016, 50, 88-101.	0.3	16
5	Resident Subsea Robotic Systems: A Review. Marine Technology Society Journal, 2020, 54, 21-31.	0.3	11
6	Toward the temperature distribution on ball bearing inner rings during single-grit grinding. International Journal of Advanced Manufacturing Technology, 2019, 102, 957-968.	1.5	10
7	Finite-horizon, energy-efficient trajectories in unsteady flows. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2022, 478, 20210255.	1.0	9
8	Towards background flow based AUV localization. , 2014, , .		8
9	FACON: A flow-aided cooperative navigation scheme. , 2017, , .		8
10	Visual-Inertial Guidance With a Plenoptic Camera for Autonomous Underwater Vehicles. IEEE Robotics and Automation Letters, 2019, 4, 2777-2784.	3.3	8
11	Underwater Docking System for a Wave Energy Converter based Mobile Station. , 2019, , .		8
12	Anisotropic active Lagrangian particle swarm control in a meandering jet. , 2015, , .		7
13	Hierarchical underwater localization in dominating background flow fields. , 2013, , .		6
14	A distributed localization hierarchy for an AUV swarm. , 2014, , .		6
15	Autonomous vehicle localization in a vector field: Underwater vehicle implementation. , 2014, , .		6
16	Anisotropic Flocking Control of Distributed Multi-Agent Systems using Fluid Abstraction. , 2018, , .		6
17	Concurrent Flow-Based Localization and Mapping in Time-Invariant Flow Fields. , 2019, , .		6
18	A low-power optical communication modem for compact autonomous underwater vehicles. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
19	Coordinated Coverage and Fault Tolerance using Fixed-wing Unmanned Aerial Vehicles. , 2020, , .		4
20	Development of an Adaptive Docking Station for Resident Underwater Vehicles. , 2019, , .		3
21	VR-Based Haptic Simulator for Subsea Robot Teleoperations. , 2022, , .		3
22	Swarm Modeling With Dynamic Mode Decomposition. IEEE Access, 2022, 10, 59508-59521.	2.6	3
23	Cooperative Underwater Localization in Ocean Currents. , 2013, , .		2
24	Bioinspired visual guidance in turbid underwater environment. , 2017, , .		2
25	Fast Autonomous Underwater Exploration using a Hybrid Focus Model with Semantic Representation. , 2019, , .		2
26	Fluid-based cooperative underwater localization. , 2013, , .		1
27	Development of a Compact Autonomous Underwater Vehicle for Hierarchical Multi-Agent Cooperation. , 2018, , .		1
28	Simultaneous AUV Localization and Lagrangian Particle Tracking. , 2018, , .		0
29	A multi-dimensional matrix keyboard interfacing circuit design. Circuit World, 2020, 46, 175-182.	0.7	0
30	Heterogeneous Fixed-wing Aerial Vehicles for Resilient Coverage of an Area. , 2021, , .		0
31	Wear-life analysis of 6000 deep groove ball bearings. , 2018, , .		0
32	Co-design Optimization for Underwater Vehicle Docking Systems. , 2021, , .		0