Daniel Andre Duecker

List of Publications by Year
in descending order

14	126	1683934 5	1872570 6
papers	citations	h-index	g-index

14	14	14	68
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	From Aerobatics to Hydrobatics: Agile Trajectory Planning and Tracking for Micro Underwater Robots. , 2021, , .		2
2	Embedded Stochastic Field Exploration with Micro Diving Agents using Bayesian Optimization-Guided Tree-Search and GMRFs. , 2021, , .		1
3	Predictability of Vibration Loads From Experimental Data by Means of Reduced Vehicle Models and Machine Learning. IEEE Access, 2020, 8, 177180-177194.	2.6	6
4	Localisation of Unmanned Underwater Vehicles (UUVs) in Complex and Confined Environments: A Review. Sensors, 2020, 20, 6203.	2.1	27
5	RGB-D Camera-based Navigation for Autonomous Underwater Inspection using Low-cost Micro AUVs. , 2020, , .		6
6	HippoCampusX â€“ A Hydrobatic Open-source Micro AUV for Confined Environments. , 2020, , .		12
7	Towards Micro Robot Hydrobatics: Vision-based Guidance, Navigation, and Control for Agile Underwater Vehicles in Confined Environments. , 2020, , .		10
8	Learning Environmental Field Exploration with Computationally Constrained Underwater Robots: Gaussian Processes Meet Stochastic Optimal Control. Sensors, 2019, 19, 2094.	2.1	11
9	Towards an Open-Source Micro Robot Oceanarium: A Low-Cost, Modular, and Mobile Underwater Motion-Capture System. , 2019, , .		3
10	Towards Reinforcement Learning-based Control of an Energy Harvesting Pendulum. , 2019, , .		1
11	Parameter Identification for Micro Underwater Vehicles. Proceedings in Applied Mathematics and Mechanics, 2018, 18, e201800350.	0.2	8
12	A Biologically Inspired Framework for the Intelligent Control of Mechatronic Systems and Its Application to a Micro Diving Agent. Mathematical Problems in Engineering, 2018, 2018, 1-16.	0.6	12
13	Micro Underwater Vehicle Hydrobatics: A Submerged Furuta Pendulum. , 2018, , .		12
14	Embedded Spherical Localization for Micro Underwater Vehicles Based on Attenuation of Electro-Magnetic Carrier Signals. Sensors, 2017, 17, 959.	2.1	15