

Patryk Cieslak

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

213
citations

1684188

5
h-index

1372567

10
g-index

14
all docs

14
docs citations

14
times ranked

186
citing authors

#	ARTICLE	IF	CITATIONS
1	Autonomous underwater panel operation by GIRONA500 UVMS: A practical approach to autonomous underwater manipulation. , 2015, , .		74
2	Multirepresentation, Multiheuristic A* searchâ€based motion planning for a freeâ€floating underwater vehicleâ€manipulator system in unknown environment. Journal of Field Robotics, 2020, 37, 925-950.	6.0	30
3	TWINBOT: Autonomous Underwater Cooperative Transportation. IEEE Access, 2021, 9, 37668-37684.	4.2	26
4	Stonefish: An Advanced Open-Source Simulation Tool Designed for Marine Robotics, With a ROS Interface. , 2019, , .		17
5	The mono-wheel robot with dynamic stabilisation. Robotics and Autonomous Systems, 2011, 59, 611-619.	5.1	16
6	Underwater robotic system for reservoir maintenance. Journal of Vibroengineering, 2016, 18, 3757-3767.	1.0	9
7	Adaptive Admittance Control in Task-Priority Framework for Contact Force Control in Autonomous Underwater Floating Manipulation. , 2018, , .		8
8	Practical formulation of obstacle avoidance in the Task-Priority framework for use in robotic inspection and intervention scenarios. Robotics and Autonomous Systems, 2020, 124, 103396.	5.1	8
9	Multi-Representation Multi-Heuristic A* Motion Planning for a Dual-Arm Underwater Vehicle Manipulation System. IFAC-PapersOnLine, 2019, 52, 205-210.	0.9	5
10	Implementation of Nonlinear Adaptive U-Model Control Synthesis Using a Robot Operating System for an Unmanned Underwater Vehicle. IEEE Access, 2020, 8, 205685-205695.	4.2	5
11	Docking of Non-Holonomic AUVs in Presence of Ocean Currents: A Comparative Survey. IEEE Access, 2021, 9, 86607-86631.	4.2	5
12	Collision Detection and Avoidance for Underwater Vehicles Using Omnidirectional Vision. Sensors, 2022, 22, 5354.	3.8	4
13	A novel approach to obstacle avoidance for an I-AUV. , 2018, , .		3
14	A vision system for pose estimation of an underwater robot. Journal of Marine Engineering and Technology, 2022, 21, 234-248.	4.1	3