

Lefteris Doitsidis

List of Publications by Year in descending order

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44
papers

1,076
citations

759233

12
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839539

18
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44
all docs

44
docs citations

44
times ranked

1036
citing authors

#	ARTICLE	IF	CITATIONS
1	Vision-Controlled Micro Flying Robots: From System Design to Autonomous Navigation and Mapping in GPS-Denied Environments. <i>IEEE Robotics and Automation Magazine</i> , 2014, 21, 26-40.	2.0	219
2	Fitness functions in evolutionary robotics: A survey and analysis. <i>Robotics and Autonomous Systems</i> , 2009, 57, 345-370.	5.1	203
3	Optimal surveillance coverage for teams of micro aerial vehicles in GPS-denied environments using onboard vision. <i>Autonomous Robots</i> , 2012, 33, 173-188.	4.8	70
4	Multi-robot three-dimensional coverage of unknown areas. <i>International Journal of Robotics Research</i> , 2012, 31, 738-752.	8.5	68
5	A framework for fuzzy logic based UAV navigation and control. , 2004, , .		57
6	Educational Robotics: Platforms, Competitions and Expected Learning Outcomes. <i>IEEE Access</i> , 2020, 8, 219534-219562.	4.2	48
7	Real-time adaptive multi-robot exploration with application to underwater map construction. <i>Autonomous Robots</i> , 2016, 40, 987-1015.	4.8	43
8	Remote monitoring of the <i>Bactrocera oleae</i> (Gmelin) (Diptera: Tephritidae) population using an automated McPhail trap. <i>Computers and Electronics in Agriculture</i> , 2017, 137, 69-78.	7.7	33
9	Experimental Research of Transmissions on Electric Vehiclesâ€™ Energy Consumption. <i>Energies</i> , 2019, 12, 388.	3.1	31
10	A Multi-Objective Exploration Strategy for Mobile Robots Under Operational Constraints. <i>IEEE Access</i> , 2013, 1, 691-702.	4.2	27
11	Computer Vision Meets Educational Robotics. <i>Electronics (Switzerland)</i> , 2021, 10, 730.	3.1	27
12	Fuzzy logic based autonomous skid steering vehicle navigation. , 0, , .		25
13	Cognitive-based adaptive control for cooperative multi-robot coverage. , 2010, , .		23
14	SFly: Swarm of micro flying robots. , 2012, , .		21
15	Adaptive-based distributed cooperative multi-robot coverage. , 2011, , .		18
16	Work-in-process scheduling by evolutionary tuned fuzzy controllers. <i>International Journal of Advanced Manufacturing Technology</i> , 2007, 34, 748-761.	3.0	17
17	3D surveillance coverage using maps extracted by a monocular SLAM algorithm. , 2011, , .		16
18	A low cost modular robot vehicle design for research and education. , 2007, , .		14

#	ARTICLE	IF	CITATIONS
19	A case study of fuzzy-logic-based robot navigation. IEEE Robotics and Automation Magazine, 2006, 13, 93-107.	2.0	13
20	The NOPTILUS project: Autonomous Multi-AUV Navigation for Exploration of Unknown Environments. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 373-380.	0.4	12
21	Efficient Gear Ratio Selection of a Single-Speed Drivetrain for Improved Electric Vehicle Energy Consumption. Sustainability, 2020, 12, 9254.	3.2	11
22	Evolution of Fuzzy Controllers for Robotic Vehicles: The Role of Fitness Function Selection. Journal of Intelligent and Robotic Systems: Theory and Applications, 2009, 56, 469-484.	3.4	8
23	Implementation of a Petri-net based Digital Twin for the development procedure of an Electric Vehicle. , 2020, , .		8
24	HYDRA: Introducing a Low-Cost Framework for STEM Education Using Open Tools. Electronics (Switzerland), 2021, 10, 3056.	3.1	8
25	Adaptive-based, scalable design for autonomous multi-robot surveillance. , 2010, , .		7
26	Distributed multi-robot coverage using micro aerial vehicles. , 2013, , .		7
27	Selecting a Robotic Platform for Education. , 2022, , .		7
28	Autonomous navigation of teams of Unmanned Aerial or Underwater Vehicles for exploration of unknown static & dynamic environments. , 2013, , .		6
29	Incorporation of MATLAB into a distributed behavioral robotics architecture. , 0, , .		4
30	A Fuzzy Rule-Based Control System for Fast Line-Following Robots. , 2020, , .		4
31	Fuzzy logic based software control architecture for a skid steering vehicle. , 0, , .		3
32	Autonomous Navigation of Unmanned Vehicles: A Fuzzy Logic Perspective. , 2005, , .		3
33	Work-in-process scheduling by evolutionary tuned distributed fuzzy controllers. , 0, , .		3
34	Multi-robot 3D coverage of unknown terrains. , 2011, , .		3
35	A ROS-Based Energy Management System for a Prototype Fuel Cell Hybrid Vehicle. Energies, 2021, 14, 1964.	3.1	3
36	Scalable and convergent multi-robot passive and active sensing. , 2009, , .		2

#	ARTICLE	IF	CITATIONS
37	Experimental validation of a MATLAB based control architecture for multiple robot outdoor navigation. , 0, , .		1
38	An Empirical Study for Fitness Function Selection in Fuzzy Logic Controllers for Mobile Robot Navigation. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	1
39	A generic framework for scalable and convergent multi-robot active simultaneous localization, mapping and target tracking. , 2011, , .		1
40	3D surveillance coverage using maps extracted by a monocular SLAM algorithm. , 2011, , .		1
41	A unified methodology for multi-robot passive & active sensing. , 2009, , .		0
42	Employing Cellular Automata for Shaping Accurate Morphology Maps Using Scattered Data from Roboticsâ€™ Missions. Emergence, Complexity and Computation, 2015, , 229-246.	0.3	0
43	Analysis and comparison of a single-material vs. multi-material chassis design for lightweight electric vehicles. International Journal of Vehicle Systems Modelling and Testing, 2021, 15, 60.	0.1	0
44	Analysis and comparison of a single-material vs. multi-material chassis design for lightweight electric vehicles. International Journal of Vehicle Systems Modelling and Testing, 2021, 15, 60.	0.1	0