Konstantinos Karydis

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2943069/publications.pdf

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23	435	933447 10	1125743 13
papers	citations	h-index	g-index

23	23	23	424
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fast, autonomous flight in GPSâ€denied and cluttered environments. Journal of Field Robotics, 2018, 35, 101-120.	6.0	123
2	Energetics in robotic flight at small scales. Interface Focus, 2017, 7, 20160088.	3.0	55
3	Analysis of Ground Effect for Small-Scale UAVs in Forward Flight. IEEE Robotics and Automation Letters, 2019, 4, 3860-3867.	5.1	38
4	Online Exploration and Coverage Planning in Unknown Obstacle-Cluttered Environments. IEEE Robotics and Automation Letters, 2020, 5, 5969-5976.	5.1	29
5	Energy efficiency of trajectory generation methods for stop-and-go aerial robot navigation. , 2017, , .		26
6	Probabilistically valid stochastic extensions of deterministic models for systems with uncertainty. International Journal of Robotics Research, 2015, 34, 1278-1295.	8.5	25
7	A pneumatic random-access memory for controlling soft robots. PLoS ONE, 2021, 16, e0254524.	2.5	17
8	Development of a Soft Robotic Wearable Device to Assist Infant Reaching. Journal of Engineering and Science in Medical Diagnostics and Therapy, 2020, 3, .	0.5	16
9	Toward Impact-resilient Quadrotor Design, Collision Characterization and Recovery Control to Sustain Flight after Collisions. , 2021, , .		15
10	A template candidate for miniature legged robots in quasi-static motion. Autonomous Robots, 2015, 38, 193-209.	4.8	12
11	Task Planning on Stochastic Aisle Graphs for Precision Agriculture. IEEE Robotics and Automation Letters, 2021, 6, 3287-3294.	5.1	12
12	A Navigation and Control Strategy for Miniature Legged Robots. IEEE Transactions on Robotics, 2017, 33, 214-219.	10.3	11
13	SoRX: A Soft Pneumatic Hexapedal Robot to Traverse Rough, Steep, and Unstable Terrain. , 2020, , .		11
14	ACD-EDMD: Analytical Construction for Dictionaries of Lifting Functions in Koopman Operator-Based Nonlinear Robotic Systems. IEEE Robotics and Automation Letters, 2022, 7, 906-913.	5.1	10
15	Symbolic planning and control using game theory and grammatical inference. Engineering Applications of Artificial Intelligence, 2015, 37, 378-391.	8.1	8
16	Optimal Steering of Stochastic Mobile Robots that Undergo Collisions with their Environment. , 2019, , .		7
17	A Data-driven Hierarchical Control Structure for Systems with Uncertainty. , 2020, , .		5
18	Multi-robot Field Exploration in Hex-Decomposed Environments for Dubins Vehicles. , 2019, , .		4

#	Article	IF	Citations
19	Position Control and Variable-Height Trajectory Tracking of a Soft Pneumatic Legged Robot. , 2021, , .		4
20	Enhancement for Robustness of Koopman Operator-based Data-driven Mobile Robotic Systems. , 2021, , .		3
21	Uncertainty Quantification for Small Robots Using Principal Orthogonal Decomposition. Springer Proceedings in Advanced Robotics, 2017, , 33-42.	1.3	3
22	Minimalistic Neural Network Architectures for Safe Navigation of Small Mobile Robots. , 2018, , .		1
23	Development and Testing of a Novel Automated Insect Capture Module for Sample Collection and Transfer. , 2020, , .		0