

Markus P Nemitz

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

643
citations

840776

11
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839539

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21
all docs

21
docs citations

21
times ranked

666
citing authors

#	ARTICLE	IF	CITATIONS
1	Modular Robots for Enabling Operations in Unstructured Extreme Environments. <i>Advanced Intelligent Systems</i> , 2022, 4, .	6.1	11
2	A buckling-sheet ring oscillator for electronics-free, multimodal locomotion. <i>Science Robotics</i> , 2022, 7, eabg5812.	17.6	25
3	The Soft Compiler: A Web-Based Tool for the Design of Modular Pneumatic Circuits for Soft Robots. <i>IEEE Robotics and Automation Letters</i> , 2022, 7, 6060-6066.	5.1	8
4	Tube-Balloon Logic for the Exploration of Fluidic Control Elements. <i>IEEE Robotics and Automation Letters</i> , 2022, 7, 5483-5488.	5.1	4
5	Air-Releasable Soft Robots for Explosive Ordnance Disposal. , 2022, , .		1
6	Soft Robots for Ocean Exploration and Offshore Operations: A Perspective. <i>Soft Robotics</i> , 2021, 8, 625-639.	8.0	66
7	Elastic-instability-enabled locomotion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	11
8	An all soft, electro-pneumatic controller for soft robots. , 2021, , .		2
9	Bio-inspired design of soft mechanisms using a toroidal hydrostat. <i>Cell Reports Physical Science</i> , 2021, 2, 100572.	5.6	7
10	Soft Non-Volatile Memory for Non-Electronic Information Storage in Soft Robots. , 2020, , .		12
11	A soft ring oscillator. <i>Science Robotics</i> , 2019, 4, .	17.6	128
12	Digital logic for soft devices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 7750-7759.	7.1	170
13	Linbots: Soft Modular Robots Utilizing Voice Coils. <i>Soft Robotics</i> , 2019, 6, 195-205.	8.0	22
14	Soft Radio-Frequency Identification Sensors: Wireless Long-Range Strain Sensors Using Radio-Frequency Identification. <i>Soft Robotics</i> , 2019, 6, 82-94.	8.0	17
15	Integrating soft sensor systems using conductive thread. <i>Journal of Micromechanics and Microengineering</i> , 2018, 28, 054001.	2.6	11
16	The Limpet: A ROS-Enabled Multi-Sensing Platform for the ORCA Hub. <i>Sensors</i> , 2018, 18, 3487.	3.8	15
17	Multi-Functional Sensing for Swarm Robots Using Time Sequence Classification: HoverBot, an Example. <i>Frontiers in Robotics and AI</i> , 2018, 5, 55.	3.2	8
18	Capability by Stacking: The Current Design Heuristic for Soft Robots. <i>Biomimetics</i> , 2018, 3, 16.	3.3	15

#	ARTICLE	IF	CITATIONS
19	HoverBots: Precise Locomotion Using Robots That Are Designed for Manufacturability. <i>Frontiers in Robotics and AI</i> , 2017, 4, .	3.2	12
20	Using Voice Coils to Actuate Modular Soft Robots: Wormbot, an Example. <i>Soft Robotics</i> , 2016, 3, 198-204.	8.0	70
21	Controlling and Simulating Soft Robotic Systems: Insights from a Thermodynamic Perspective. <i>Soft Robotics</i> , 2016, 3, 170-176.	8.0	28