

# Markus P Nemitz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7550091/publications.pdf>

Version: 2024-02-01

21  
papers

643  
citations

840776

11  
h-index

839539

18  
g-index

21  
all docs

21  
docs citations

21  
times ranked

666  
citing authors

#	ARTICLE	IF	CITATIONS
1	Digital logic for soft devices. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7750-7759.	7.1	170
2	A soft ring oscillator. Science Robotics, 2019, 4, .	17.6	128
3	Using Voice Coils to Actuate Modular Soft Robots: Wormbot, an Example. Soft Robotics, 2016, 3, 198-204.	8.0	70
4	Soft Robots for Ocean Exploration and Offshore Operations: A Perspective. Soft Robotics, 2021, 8, 625-639.	8.0	66
5	Controlling and Simulating Soft Robotic Systems: Insights from a Thermodynamic Perspective. Soft Robotics, 2016, 3, 170-176.	8.0	28
6	A buckling-sheet ring oscillator for electronics-free, multimodal locomotion. Science Robotics, 2022, 7, eabg5812.	17.6	25
7	Linbots: Soft Modular Robots Utilizing Voice Coils. Soft Robotics, 2019, 6, 195-205.	8.0	22
8	Soft Radio-Frequency Identification Sensors: Wireless Long-Range Strain Sensors Using Radio-Frequency Identification. Soft Robotics, 2019, 6, 82-94.	8.0	17
9	The Limpet: A ROS-Enabled Multi-Sensing Platform for the ORCA Hub. Sensors, 2018, 18, 3487.	3.8	15
10	Capability by Stacking: The Current Design Heuristic for Soft Robots. Biomimetics, 2018, 3, 16.	3.3	15
11	HoverBots: Precise Locomotion Using Robots That Are Designed for Manufacturability. Frontiers in Robotics and AI, 2017, 4, .	3.2	12
12	Soft Non-Volatile Memory for Non-Electronic Information Storage in Soft Robots. , 2020, , .		12
13	Integrating soft sensor systems using conductive thread. Journal of Micromechanics and Microengineering, 2018, 28, 054001.	2.6	11
14	Elastic-instability-enabled locomotion. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	11
15	Modular Robots for Enabling Operations in Unstructured Extreme Environments. Advanced Intelligent Systems, 2022, 4, .	6.1	11
16	Multi-Functional Sensing for Swarm Robots Using Time Sequence Classification: HoverBot, an Example. Frontiers in Robotics and AI, 2018, 5, 55.	3.2	8
17	The Soft Compiler: A Web-Based Tool for the Design of Modular Pneumatic Circuits for Soft Robots. IEEE Robotics and Automation Letters, 2022, 7, 6060-6066.	5.1	8
18	Bio-inspired design of soft mechanisms using a toroidal hydrostat. Cell Reports Physical Science, 2021, 2, 100572.	5.6	7

#	ARTICLE	IF	CITATIONS
19	Tube-Balloon Logic for the Exploration of Fluidic Control Elements. IEEE Robotics and Automation Letters, 2022, 7, 5483-5488.	5.1	4
20	An all soft, electro-pneumatic controller for soft robots. , 2021, , .		2
21	Air-Releasable Soft Robots for Explosive Ordnance Disposal. , 2022, , .		1