

Matthew A Robertson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3726111/publications.pdf>

Version: 2024-02-01

11
papers

603
citations

1306789

7
h-index

1473754

9
g-index

12
all docs

12
docs citations

12
times ranked

732
citing authors

#	ARTICLE	IF	CITATIONS
1	New soft robots really suck: Vacuum-powered systems empower diverse capabilities. <i>Science Robotics</i> , 2017, 2, .	9.9	253
2	Soft Pneumatic Actuator Fascicles for High Force and Reliability. <i>Soft Robotics</i> , 2017, 4, 23-32.	4.6	113
3	JammJoint: A Variable Stiffness Device Based on Granular Jamming for Wearable Joint Support. <i>IEEE Robotics and Automation Letters</i> , 2017, 2, 849-855.	3.3	80
4	Modeling vacuum bellows soft pneumatic actuators with optimal mechanical performance. , 2018, , .		35
5	Soft pneumatic actuator-driven origami-inspired modular robotic "pneumagami". <i>International Journal of Robotics Research</i> , 2021, 40, 72-85.	5.8	34
6	Design and Computational Modeling of a Modular, Compliant Robotic Assembly for Human Lumbar Unit and Spinal Cord Assistance. <i>Scientific Reports</i> , 2017, 7, 14391.	1.6	32
7	A Compact Modular Soft Surface With Reconfigurable Shape and Stiffness. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019, 24, 16-24.	3.7	22
8	RoboScallop: A Bivalve Inspired Swimming Robot. <i>IEEE Robotics and Automation Letters</i> , 2019, 4, 2078-2085.	3.3	21
9	Vibration of suspended solid-timber slabs without intermediate support: assessment for human comfort. <i>Australian Journal of Structural Engineering</i> , 2018, 19, 266-278.	0.4	6
10	Bi-modal control of vacuum-powered soft pneumatic actuators with embedded liquid metal-based strain sensitive skin. , 2019, , .		4
11	3D Printed Motor-Sensory Module Prototype for Facial Rehabilitation. <i>Soft Robotics</i> , 2022, 9, 354-363.	4.6	3