

Erik H Skorina

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

502
citations

1163117
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18
all docs

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18
times ranked

511
citing authors

#	ARTICLE	IF	CITATIONS
1	Ori-Vent: Design and Prototyping of Accessible and Portable Origami-Inspired Ventilators. Springer Proceedings in Advanced Robotics, 2021, , 126-136.	1.3	0
2	Soft Hybrid Wave Spring Actuators. Advanced Intelligent Systems, 2020, 2, 1900097.	6.1	8
3	Salamanderbot: A soft-rigid composite continuum mobile robot to traverse complex environments. , 2020, , .		6
4	Motion Planning and Iterative Learning Control of a Modular Soft Robotic Snake. Frontiers in Robotics and AI, 2020, 7, 599242.	3.2	18
5	Discretized Modeling of Planar Pneumatic Continuum Manipulators. , 2020, , .		0
6	OriSnake: Design, Fabrication, and Experimental Analysis of a 3-D Origami Snake Robot. IEEE Robotics and Automation Letters, 2018, 3, 1993-1999.	5.1	46
7	Reverse pneumatic artificial muscles (rPAMs): Modeling, integration, and control. PLoS ONE, 2018, 13, e0204637.	2.5	30
8	Design, fabrication and experimental analysis of a 3-D soft robotic snake. , 2018, , .		17
9	A Soft Robotic Wearable Wrist Device for Kinesthetic Haptic Feedback. Frontiers in Robotics and AI, 2018, 5, 83.	3.2	27
10	Adapting to Flexibility: Model Reference Adaptive Control of Soft Bending Actuators. IEEE Robotics and Automation Letters, 2017, 2, 964-970.	5.1	45
11	Toward Modular Soft Robotics: Proprioceptive Curvature Sensing and Sliding-Mode Control of Soft Bidirectional Bending Modules. Soft Robotics, 2017, 4, 117-125.	8.0	98
12	Design and analysis of an origami continuum manipulation module with torsional strength. , 2017, , .		28
13	A composite soft bending actuation module with integrated curvature sensing. , 2016, , .		44
14	Motion control of a soft-actuated modular manipulator. , 2016, , .		12
15	Slithering towards autonomy: a self-contained soft robotic snake platform with integrated curvature sensing. Bioinspiration and Biomimetics, 2015, 10, 055001.	2.9	59
16	Bioinspired design and fabrication principles of reliable fluidic soft actuation modules. , 2015, , .		13
17	Optimized design of a rigid kinematic module for antagonistic soft actuation. , 2015, , .		10
18	Feedforward augmented sliding mode motion control of antagonistic soft pneumatic actuators. , 2015, , .		41