

# Erik H Skorina

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

502  
citations

1163117

8  
h-index

1588992

8  
g-index

18  
all docs

18  
docs citations

18  
times ranked

511  
citing authors

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