

# Dae-Young Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

976  
citations

623734

14  
h-index

888059

17  
g-index

27  
all docs

27  
docs citations

27  
times ranked

842  
citing authors

#	ARTICLE	IF	CITATIONS
1	An origami-inspired, self-locking robotic arm that can be folded flat. <i>Science Robotics</i> , 2018, 3, .	17.6	166
2	Bioinspired dual-morphing stretchable origami. <i>Science Robotics</i> , 2019, 4, .	17.6	127
3	Origami Wheel Transformer: A Variable-Diameter Wheel Drive Robot Using an Origami Structure. <i>Soft Robotics</i> , 2017, 4, 163-180.	8.0	103
4	Ladybird beetleâ€“inspired compliant origami. <i>Science Robotics</i> , 2020, 5, .	17.6	79
5	Deformable wheel robot based on origami structure. , 2013, , .		49
6	Highâ€“load capacity origami transformable wheel. <i>Science Robotics</i> , 2021, 6, .	17.6	47
7	Anisotropic Patterning to Reduce Instability of Concentric-Tube Robots. <i>IEEE Transactions on Robotics</i> , 2015, 31, 1311-1323.	10.3	43
8	Toward a solution to the snapping problem in a concentric-tube continuum robot: Grooved tubes with anisotropy. , 2014, , .		34
9	Deformable-wheel robot based on soft material. <i>International Journal of Precision Engineering and Manufacturing</i> , 2013, 14, 1439-1445.	2.2	30
10	A passive, origami-inspired, continuously variable transmission. , 2014, , .		29
11	A self-deployable origami structure with locking mechanism induced by buckling effect. , 2015, , .		28
12	Sensorless displacement estimation of a shape memory alloy coil spring actuator using inductance. <i>Smart Materials and Structures</i> , 2013, 22, 025001.	3.5	27
13	Development and assessment of a hand assist device: GRIPIT. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2017, 14, 15.	4.6	24
14	Tendon-Driven Jamming Mechanism for Configurable Variable Stiffness. <i>Soft Robotics</i> , 2021, 8, 109-118.	8.0	23
15	Fabrication of origami wheel using pattern embedded fabric and its application to a deformable mobile robot. , 2014, , .		21
16	Component assembly with shape memory polymer fastener for microrobots. <i>Smart Materials and Structures</i> , 2014, 23, 015011.	3.5	20
17	Fabrication of Composite and Sheet Metal Laminated Bistable Jumping Mechanism. <i>Journal of Mechanisms and Robotics</i> , 2015, 7, .	2.2	20
18	A Positive Pressure Jamming Based Variable Stiffness Structure and its Application on Wearable Robots. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 8078-8085.	5.1	20

#	ARTICLE	IF	CITATIONS
19	Deformable soft wheel robot using hybrid actuation. , 2012, , .		19
20	Morphing Origami Block for Lightweight Reconfigurable System. IEEE Transactions on Robotics, 2021, 37, 494-505.	10.3	19
21	Fast, compact, and lightweight shape-shifting system composed of distributed self-folding origami modules. , 2016, , .		13
22	Design of deformable-wheeled robot based on origami structure with shape memory alloy coil spring. , 2013, , .		12
23	Development of a Multi-functional Soft Robot (SNUMAX) and Performance in RoboSoft Grand Challenge. Frontiers in Robotics and AI, 2016, 3, .	3.2	11
24	Design of the shape memory alloy coil spring actuator for the soft deformable wheel robot. , 2012, , .		6
25	4D Printing of Continuous Shape Representation. Advanced Materials Technologies, 2021, 6, 2100133.	5.8	5
26	Development of Efficiency Enhanced Scotch Yoke Mechanism for Robotic Fish. International Journal of Precision Engineering and Manufacturing, 2018, 19, 1507-1513.	2.2	1