Dae-Young Lee

List of Publications by Year
in descending order

26	976	623734	888059
papers	citations	14 h-index	17 g-index

27	27	27	842
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tendon-Driven Jamming Mechanism for Configurable Variable Stiffness. Soft Robotics, 2021, 8, 109-118.	8.0	23
2	Morphing Origami Block for Lightweight Reconfigurable System. IEEE Transactions on Robotics, 2021, 37, 494-505.	10.3	19
3	Highâ€“load capacity origami transformable wheel. Science Robotics, 2021, 6, .	17.6	47
4	4D Printing of Continuous Shape Representation. Advanced Materials Technologies, 2021, 6, 2100133.	5.8	5
5	A Positive Pressure Jamming Based Variable Stiffness Structure and its Application on Wearable Robots. IEEE Robotics and Automation Letters, 2021, 6, 8078-8085.	5.1	20
6	Ladybird beetleâ€“inspired compliant origami. Science Robotics, 2020, 5, .	17.6	79
7	Bioinspired dual-morphing stretchable origami. Science Robotics, 2019, 4, .	17.6	127
8	An origami-inspired, self-locking robotic arm that can be folded flat. Science Robotics, 2018, 3, .	17.6	166
9	Development of Efficiency Enhanced Scotch Yoke Mechanism for Robotic Fish. International Journal of Precision Engineering and Manufacturing, 2018, 19, 1507-1513.	2.2	1
10	Development and assessment of a hand assist device: GRIPIT. Journal of NeuroEngineering and Rehabilitation, 2017, 14, 15.	4.6	24
11	Origami Wheel Transformer: A Variable-Diameter Wheel Drive Robot Using an Origami Structure. Soft Robotics, 2017, 4, 163-180.	8.0	103
12	Development of a Multi-functional Soft Robot (SNUMAX) and Performance in RoboSoft Grand Challenge. Frontiers in Robotics and AI, 2016, 3, .	3.2	11
13	Fast, compact, and lightweight shape-shifting system composed of distributed self-folding origami modules. , 2016, , .		13
14	Anisotropic Patterning to Reduce Instability of Concentric-Tube Robots. IEEE Transactions on Robotics, 2015, 31, 1311-1323.	10.3	43
15	Fabrication of Composite and Sheet Metal Laminated Bistable Jumping Mechanism. Journal of Mechanisms and Robotics, 2015, 7, .	2.2	20
16	A self-deployable origami structure with locking mechanism induced by buckling effect. , 2015, , .		28
17	Toward a solution to the snapping problem in a concentric-tube continuum robot: Grooved tubes with anisotropy. , 2014, , .		34
18	A passive, origami-inspired, continuously variable transmission. , 2014, , .		29

#	Article	IF	Citations
19	Fabrication of origami wheel using pattern embedded fabric and its application to a deformable mobile robot. , 2014, , .		21
20	Component assembly with shape memory polymer fastener for microrobots. Smart Materials and Structures, 2014, 23, 015011.	3.5	20
21	Deformable-wheel robot based on soft material. International Journal of Precision Engineering and Manufacturing, 2013, 14, 1439-1445.	2.2	30
22	Design of deformable-wheeled robot based on origami structure with shape memory alloy coil spring. , 2013, , .		12
23	Deformable wheel robot based on origami structure. , 2013, , .		49
24	Sensorless displacement estimation of a shape memory alloy coil spring actuator using inductance. Smart Materials and Structures, 2013, 22, 025001.	3.5	27
25	Deformable soft wheel robot using hybrid actuation. , 2012, , .		19
26	Design of the shape memory alloy coil spring actuator for the soft deformable wheel robot. , 2012, , .		6