

Chongjing Cao

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

491
citations

759233

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h-index

888059

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23
all docs

23
docs citations

23
times ranked

309
citing authors

#	ARTICLE	IF	CITATIONS
1	A Magnetically Coupled Dielectric Elastomer Pump for Soft Robotics. <i>Advanced Materials Technologies</i> , 2019, 4, 1900128.	5.8	85
2	TENG-Bot: Triboelectric nanogenerator powered soft robot made of uni-directional dielectric elastomer. <i>Nano Energy</i> , 2021, 85, 106012.	16.0	55
3	Elastic Electroadhesion with Rapid Release by Integrated Resonant Vibration. <i>Advanced Materials Technologies</i> , 2019, 4, 1800378.	5.8	48
4	A compliantly coupled dielectric elastomer actuator using magnetic repulsion. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	42
5	Toward a Dielectric Elastomer Resonator Driven Flapping Wing Micro Air Vehicle. <i>Frontiers in Robotics and AI</i> , 2018, 5, 137.	3.2	42
6	Power optimization of a conical dielectric elastomer actuator for resonant robotic systems. <i>Extreme Mechanics Letters</i> , 2020, 35, 100619.	4.1	36
7	Nonlinear dynamics of a conical dielectric elastomer oscillator with switchable mono to bi-stability. <i>International Journal of Solids and Structures</i> , 2021, 221, 18-30.	2.7	25
8	Towards efficient elastic actuation in bio-inspired robotics using dielectric elastomer artificial muscles. <i>Smart Materials and Structures</i> , 2019, 28, 095015.	3.5	24
9	On the Mechanical Power Output Comparisons of Cone Dielectric Elastomer Actuators. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021, 26, 3151-3162.	5.8	23
10	Performance Optimization of a Conical Dielectric Elastomer Actuator. <i>Actuators</i> , 2018, 7, 32.	2.3	19
11	Multi-directional crawling robot with soft actuators and electroadhesive grippers. , 2018, , .		18
12	On the nonlinear dynamics of a circular dielectric elastomer oscillator. <i>Smart Materials and Structures</i> , 2019, 28, 075020.	3.5	15
13	Toward broad optimal output bandwidth dielectric elastomer actuators. <i>Science China Technological Sciences</i> , 2022, 65, 1137-1148.	4.0	14
14	A Reconfigurable Crawling Robot Driven by Electroactive Artificial Muscle. , 2019, , .		11
15	A Single-Chamber Pneumatic Soft Bending Actuator With Increased Stroke-Range by Local Electric Guidance. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 8455-8463.	7.9	10
16	De-electroadhesion of Flexible and Lightweight Materials: An Experimental Study. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2796.	2.5	9
17	3D printable and fringe electric field adhesion enabled variable stiffness artificial muscles for semi-active vibration attenuation. <i>Soft Matter</i> , 2021, 17, 6697-6706.	2.7	8
18	Flapping at resonance: Realization of an electroactive elastic thorax. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
19	Elastic actuation for legged locomotion. Proceedings of SPIE, 2017, , .	0.8	1
20	Contactless coupling of dielectric elastomer membranes with magnetic repulsion. , 2019, , .		1
21	10.1063/1.5071439.1. , 2019, , .		0
22	A novel insect-inspired "clicking" dielectric elastomer oscillator for soft robotics. , 2021, , .		0