

Jiang-Long Guo

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

963
citations

471371

17
h-index

477173

29
g-index

40
all docs

40
docs citations

40
times ranked

746
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft pneumatic grippers embedded with stretchable electroadhesion. <i>Smart Materials and Structures</i> , 2018, 27, 055006.	1.8	108
2	Electroadhesion Technologies for Robotics: A Comprehensive Review. <i>IEEE Transactions on Robotics</i> , 2020, 36, 313-327.	7.3	68
3	Optimization and experimental verification of coplanar interdigital electroadhesives. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 415304.	1.3	64
4	Magnetically Controllable Liquid Metal Marbles. <i>Advanced Materials Interfaces</i> , 2019, 6, 1901057.	1.9	50
5	Bio-Inspired Shape-Adaptive Soft Robotic Grippers Augmented with Electroadhesion Functionality. <i>Soft Robotics</i> , 2019, 6, 701-712.	4.6	49
6	Elastic Electroadhesion with Rapid Release by Integrated Resonant Vibration. <i>Advanced Materials Technologies</i> , 2019, 4, 1800378.	3.0	48
7	A soft and shape-adaptive electroadhesive composite gripper with proprioceptive and exteroceptive capabilities. <i>Materials and Design</i> , 2018, 156, 586-587.	3.3	44
8	Investigation of relationship between interfacial electroadhesive force and surface texture. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 035303.	1.3	42
9	Soft-smart robotic end effectors with sensing, actuation, and gripping capabilities. <i>Smart Materials and Structures</i> , 2019, 28, 055034.	1.8	41
10	Legless soft robots capable of rapid, continuous, and steered jumping. <i>Nature Communications</i> , 2021, 12, 7028.	5.8	38
11	Toward Adaptive and Intelligent Electroadhesives for Robotic Material Handling. <i>IEEE Robotics and Automation Letters</i> , 2017, 2, 538-545.	3.3	33
12	Preheating assisted wire EDM of semi-conductive CFRPs: Principle and anisotropy. <i>Journal of Materials Processing Technology</i> , 2021, 288, 116915.	3.1	33
13	Visualization methods for understanding the dynamic electroadhesion phenomenon. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 205304.	1.3	27
14	A Concept Selection Method for Designing Climbing Robots. <i>Key Engineering Materials</i> , 0, 649, 22-29.	0.4	23
15	Development of a SMA-Fishing-Line-McKibben Bending Actuator. <i>IEEE Access</i> , 2018, 6, 27183-27189.	2.6	22
16	Electroactive textile actuators for wearable and soft robots. , 2018, , .		22
17	Experimental study of relationship between interfacial electroadhesive force and applied voltage for different substrate materials. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	21
18	Geometric Optimisation of Electroadhesive Actuators Based on 3D Electrostatic Simulation and its Experimental Verification. <i>IFAC-PapersOnLine</i> , 2016, 49, 309-315.	0.5	20

#	ARTICLE	IF	CITATIONS
19	All-Soft Skin-Like Structures for Robotic Locomotion and Transportation. <i>Soft Robotics</i> , 2020, 7, 309-320.	4.6	20
20	Bioinspired multimodal soft robot driven by a single dielectric elastomer actuator and two flexible electroadhesive feet. <i>Extreme Mechanics Letters</i> , 2022, 53, 101720.	2.0	20
21	Multi-directional crawling robot with soft actuators and electroadhesive grippers. , 2018, , .		18
22	Design and Analysis of High-Resolution Electrostatic Adhesive Brakes Towards Static Refreshable 2.5D Tactile Shape Display. <i>IEEE Transactions on Haptics</i> , 2019, 12, 470-482.	1.8	16
23	Variable stiffness soft pneumatic grippers augmented with active vacuum adhesion. <i>Smart Materials and Structures</i> , 2020, 29, 105028.	1.8	14
24	Variable Stiffness Electroadhesion and Compliant Electroadhesive Grippers. <i>Soft Robotics</i> , 2022, 9, 1074-1082.	4.6	13
25	Electroadhesion for soft adhesive pads and robotics: theory and numerical results. <i>Soft Matter</i> , 2019, 15, 8032-8039.	1.2	12
26	Electroactive Textile Actuators for Breathability Control and Thermal Regulation Devices. <i>Polymers</i> , 2019, 11, 1199.	2.0	11
27	Experimental study of a flexible and environmentally stable electroadhesive device. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	10
28	Time-dependent electroadhesive force degradation. <i>Smart Materials and Structures</i> , 2020, 29, 055009.	1.8	10
29	Analytical Modeling, Design and Performance Evaluation of Chatter-Free Milling Cutter With Alternating Pitch Variations. <i>IEEE Access</i> , 2018, 6, 32367-32375.	2.6	9
30	De-electroadhesion of Flexible and Lightweight Materials: An Experimental Study. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2796.	1.3	9
31	A paper fortune teller-inspired reconfigurable soft pneumatic gripper. <i>Smart Materials and Structures</i> , 2021, 30, 045002.	1.8	9
32	Magnetic Augmented Self-sensing Flexible Electroadhesive Grippers. <i>IEEE Robotics and Automation Letters</i> , 2019, 4, 2364-2369.	3.3	7
33	Stretchable bifilar coils for soft adhesion and sensing. <i>Materials and Design</i> , 2020, 190, 108545.	3.3	7
34	Programmable and reconfigurable hygro-thermo morphing materials with multifunctional shape transformation. <i>Applied Materials Today</i> , 2022, 27, 101414.	2.3	6
35	Symmetrical electroadhesives independent of different interfacial surface conditions. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	5
36	ContinuumEA: a soft continuum electroadhesive manipulator. , 2018, , .		5

#	ARTICLE	IF	CITATIONS
37	Electrically controllable connection and power transfer by electroadhesion. Smart Materials and Structures, 2019, 28, 105012.	1.8	4
38	A Chameleon Tongue Inspired Shooting Manipulator With Vision-Based Localization and Preying. IEEE Robotics and Automation Letters, 2020, 5, 4923-4930.	3.3	4
39	Large datasets of water vapor sorption, mass diffusion immersed in water, hygroscopic expansion and mechanical properties of flax fibre/shape memory epoxy hygromorph composites. Data in Brief, 2022, 43, 108367.	0.5	1
40	Monolithic and active soft structures capable of self-actuation and self-adhesion. , 2019, , .		0