# Jiang-Long Guo

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7180045/publications.pdf

Version: 2024-02-01

| 40 | 963 | 471371 17 | 477173 29 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 40 | 40 | 40 | 746 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Programmable and reconfigurable hygro-thermo morphing materials with multifunctional shape transformation. Applied Materials Today, 2022, 27, 101414. | 2.3 | 6 |
| 2 | Bioinspired multimodal soft robot driven by a single dielectric elastomer actuator and two flexible electroadhesive feet. Extreme Mechanics Letters, 2022, 53, 101720. | 2.0 | 20 |
| 3 | Variable Stiffness Electroadhesion and Compliant Electroadhesive Grippers. Soft Robotics, 2022, 9, 1074-1082. | 4.6 | 13 |
| 4 | 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 |
| 5 | Preheating assisted wire EDM of semi-conductive CFRPs: Principle and anisotropy. Journal of Materials Processing Technology, 2021, 288, 116915. | 3.1 | 33 |
| 6 | A paper fortune teller-inspired reconfigurable soft pneumatic gripper. Smart Materials and Structures, 2021, 30, 045002. | 1.8 | 9 |
| 7 | Legless soft robots capable of rapid, continuous, and steered jumping. Nature Communications, 2021, 12, 7028. | 5.8 | 38 |
| 8 | All-Soft Skin-Like Structures for Robotic Locomotion and Transportation. Soft Robotics, 2020, 7, 309-320. | 4.6 | 20 |
| 9 | Electroadhesion Technologies for Robotics: A Comprehensive Review. IEEE Transactions on Robotics, 2020, 36, 313-327. | 7.3 | 68 |
| 10 | Time-dependent electroadhesive force degradation. Smart Materials and Structures, 2020, 29, 055009. | 1.8 | 10 |
| 11 | A Chameleon Tongue Inspired Shooting Manipulator With Vision-Based Localization and Preying. IEEE Robotics and Automation Letters, 2020, 5, 4923-4930. | 3.3 | 4 |
| 12 | Stretchable bifilar coils for soft adhesion and sensing. Materials and Design, 2020, 190, 108545. | 3.3 | 7 |
| 13 | Variable stiffness soft pneumatic grippers augmented with active vacuum adhesion. Smart Materials and Structures, 2020, 29, 105028. | 1.8 | 14 |
| 14 | Bio-Inspired Shape-Adaptive Soft Robotic Grippers Augmented with Electroadhesion Functionality. Soft Robotics, 2019, 6, 701-712. | 4.6 | 49 |
| 15 | Electrically controllable connection and power transfer by electroadhesion. Smart Materials and Structures, 2019, 28, 105012. | 1.8 | 4 |
| 16 | De-electroadhesion of Flexible and Lightweight Materials: An Experimental Study. Applied Sciences (Switzerland), 2019, 9, 2796. | 1.3 | 9 |
| 17 | Electroactive Textile Actuators for Breathability Control and Thermal Regulation Devices. Polymers, 2019, 11, 1199. | 2.0 | 11 |
| 18 | Design and Analysis of High-Resolution Electrostatic Adhesive Brakes Towards Static Refreshable 2.5D Tactile Shape Display. IEEE Transactions on Haptics, 2019, 12, 470-482. | 1.8 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Magnetically Controllable Liquid Metal Marbles. Advanced Materials Interfaces, 2019, 6, 1901057. | 1.9 | 50 |
| 20 | Soft-smart robotic end effectors with sensing, actuation, and gripping capabilities. Smart Materials and Structures, 2019, 28, 055034. | 1.8 | 41 |
| 21 | Magnetic Augmented Self-sensing Flexible Electroadhesive Grippers. IEEE Robotics and Automation Letters, 2019, 4, 2364-2369. | 3.3 | 7 |
| 22 | Electroadhesion for soft adhesive pads and robotics: theory and numerical results. Soft Matter, 2019, 15, 8032-8039. | 1.2 | 12 |
| 23 | Elastic Electroadhesion with Rapid Release by Integrated Resonant Vibration. Advanced Materials Technologies, 2019, 4, 1800378. | 3.0 | 48 |
| 24 | Monolithic and active soft structures capable of self-actuation and self-adhesion. , 2019, , . | | 0 |
| 25 | ContinuumEA: a soft continuum electroadhesive manipulator. , 2018, , . | | 5 |
| 26 | Development of a SMA-Fishing-Line-McKibben Bending Actuator. IEEE Access, 2018, 6, 27183-27189. | 2.6 | 22 |
| 27 | Analytical Modeling, Design and Performance Evaluation of Chatter-Free Milling Cutter With Alternating Pitch Variations. IEEE Access, 2018, 6, 32367-32375. | 2.6 | 9 |
| 28 | A soft and shape-adaptive electroadhesive composite gripper with proprioceptive and exteroceptive capabilities. Materials and Design, 2018, 156, 586-587. | 3.3 | 44 |
| 29 | Electroactive textile actuators for wearable and soft robots. , 2018, , . | | 22 |
| 30 | Multi-directional crawling robot with soft actuators and electroadhesive grippers. , 2018, , . | | 18 |
| 31 | Soft pneumatic grippers embedded with stretchable electroadhesion. Smart Materials and Structures, 2018, 27, 055006. | 1.8 | 108 |
| 32 | Experimental study of relationship between interfacial electroadhesive force and applied voltage for different substrate materials. Applied Physics Letters, 2017, 110, . | 1.5 | 21 |
| 33 | Visualization methods for understanding the dynamic electroadhesion phenomenon. Journal Physics D: Applied Physics, 2017, 50, 205304. | 1.3 | 27 |
| 34 | Toward Adaptive and Intelligent Electroadhesives for Robotic Material Handling. IEEE Robotics and Automation Letters, 2017, 2, 538-545. | 3.3 | 33 |
| 35 | Symmetrical electroadhesives independent of different interfacial surface conditions. Applied Physics Letters, 2017, 111, . | 1.5 | 5 |
| 36 | Experimental study of a flexible and environmentally stable electroadhesive device. Applied Physics Letters, 2017, 111, . | 1.5 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Geometric Optimisation of Electroadhesive Actuators Based on 3D Electrostatic Simulation and its Experimental Verification. IFAC-PapersOnLine, 2016, 49, 309-315. | 0.5 | 20 |
| 38 | Optimization and experimental verification of coplanar interdigital electroadhesives. Journal Physics D: Applied Physics, 2016, 49, 415304. | 1.3 | 64 |
| 39 | Investigation of relationship between interfacial electroadhesive force and surface texture. Journal Physics D: Applied Physics, 2016, 49, 035303. | 1.3 | 42 |
| 40 | A Concept Selection Method for Designing Climbing Robots. Key Engineering Materials, 0, 649, 22-29. | 0.4 | 23 |