

Dengfeng Li

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,551
citations

430874

18
h-index

377865

34
g-index

35
all docs

35
docs citations

35
times ranked

1494
citing authors

#	ARTICLE	IF	CITATIONS
1	Skin-integrated wireless haptic interfaces for virtual and augmented reality. <i>Nature</i> , 2019, 575, 473-479.	27.8	610
2	Micro-rocket robot with all-optic actuating and tracking in blood. <i>Light: Science and Applications</i> , 2020, 9, 84.	16.6	100
3	Electronic skin as wireless human-machine interfaces for robotic VR. <i>Science Advances</i> , 2022, 8, eabl6700.	10.3	88
4	Miniaturized electromechanical devices for the characterization of the biomechanics of deep tissue. <i>Nature Biomedical Engineering</i> , 2021, 5, 759-771.	22.5	65
5	Trampoline inspired stretchable triboelectric nanogenerators as tactile sensors for epidermal electronics. <i>Nano Energy</i> , 2021, 81, 105590.	16.0	57
6	Epidermal self-powered sweat sensors for glucose and lactate monitoring. <i>Bio-Design and Manufacturing</i> , 2022, 5, 201-209.	7.7	53
7	Skin-Integrated Graphene-Embedded Lead Zirconate Titanate Rubber for Energy Harvesting and Mechanical Sensing. <i>Advanced Materials Technologies</i> , 2019, 4, 1900744.	5.8	52
8	Skin-integrated, stretchable, transparent triboelectric nanogenerators based on ion-conducting hydrogel for energy harvesting and tactile sensing. <i>Nano Energy</i> , 2022, 99, 107442.	16.0	39
9	Graphene-Based Light-Driven Soft Robot with Snake-Inspired Concertina and Serpentine Locomotion. <i>Advanced Materials Technologies</i> , 2019, 4, 1800366.	5.8	37
10	Implantable Electronic Medicine Enabled by Bioresorbable Microneedles for Wireless Electrotherapy and Drug Delivery. <i>Nano Letters</i> , 2022, 22, 5944-5953.	9.1	36
11	Electronic Skin from High-Throughput Fabrication of Intrinsically Stretchable Lead Zirconate Titanate Elastomer. <i>Research</i> , 2020, 2020, 1085417.	5.7	33
12	A fast and powerful swimming microrobot with a serrated tail enhanced propulsion interface. <i>Nanoscale</i> , 2018, 10, 19673-19677.	5.6	30
13	Bioinspired Ultrathin Piecewise Controllable Soft Robots. <i>Advanced Materials Technologies</i> , 2021, 6, 2001095.	5.8	27
14	Confocal visible/NIR photoacoustic microscopy of tumors with structural, functional, and nanoprobe contrasts. <i>Photonics Research</i> , 2020, 8, 1875.	7.0	25
15	Triboelectric Nanogenerator Tattoos Enabled by Epidermal Electronic Technologies. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	25
16	Mechanics designs-performance relationships in epidermal triboelectric nanogenerators. <i>Nano Energy</i> , 2020, 76, 105017.	16.0	24
17	Miniaturization of mechanical actuators in skin-integrated electronics for haptic interfaces. <i>Microsystems and Nanoengineering</i> , 2021, 7, 85.	7.0	24
18	Garment embedded sweat-activated batteries in wearable electronics for continuous sweat monitoring. <i>Npj Flexible Electronics</i> , 2022, 6, .	10.7	24

#	ARTICLE	IF	CITATIONS
19	Recent advances in multi-mode haptic feedback technologies towards wearable interfaces. <i>Materials Today Physics</i> , 2022, 22, 100602.	6.0	19
20	Transient, Implantable, Ultrathin Biofuel Cells Enabled by Laser-Induced Graphene and Gold Nanoparticles Composite. <i>Nano Letters</i> , 2022, 22, 3447-3456.	9.1	19
21	Less-invasive non-embedded cell cutting by nanomanipulation and vibrating nanoknife. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	18
22	Stretchable transparent conductive elastomers for skin-integrated electronics. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15105-15111.	5.5	18
23	Recent progress of skin-integrated electronics for intelligent sensing. <i>Light Advanced Manufacturing</i> , 2021, 2, 39.	5.1	18
24	Inchworm-Inspired Soft Robot With Light-Actuated Locomotion. <i>IEEE Robotics and Automation Letters</i> , 2019, 4, 1647-1652.	5.1	16
25	Skin-Like Strain Sensors Enabled by Elastomer Composites for Human-Machine Interfaces. <i>Coatings</i> , 2020, 10, 711.	2.6	15
26	Thin, soft, garment-integrated triboelectric nanogenerators for energy harvesting and human machine interfaces. <i>EcoMat</i> , 2021, 3, e12123.	11.9	15
27	A multifunctional targeted nanoprobe with high NIR-II PAI/MRI performance for precise theranostics of orthotopic early-stage hepatocellular carcinoma. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8779-8792.	5.8	15
28	Origami-inspired folding assembly of dielectric elastomers for programmable soft robots. <i>Microsystems and Nanoengineering</i> , 2022, 8, 37.	7.0	14
29	Stretchable Triboelectric Nanogenerators for Energy Harvesting and Motion Monitoring. <i>IEEE Open Journal of Nanotechnology</i> , 2020, 1, 109-116.	2.0	11
30	Automatic Microwaveguide Coupling Based on Hybrid Position and Light Intensity Feedback. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019, 24, 1166-1175.	5.8	7
31	Thin, soft, 3D printing enabled crosstalk minimized triboelectric nanogenerator arrays for tactile sensing. <i>Fundamental Research</i> , 2023, 3, 111-117.	3.3	6
32	In situ bending and recovery characterization of hollow glass nanoneedle based on nanorobotic manipulation. <i>Journal of Micromechanics and Microengineering</i> , 2017, 27, 095011.	2.6	5
33	Bio-inspired ultra-thin microfluidics for soft sweat-activated batteries and skin electronics. <i>Journal of Materials Chemistry A</i> , 2022, 10, 19662-19670.	10.3	5
34	A Low-Cost Portable Nanophotonic Sensor Based on a Smartphone: A System Readily Available for Many Applications. <i>IEEE Nanotechnology Magazine</i> , 2019, 13, 6-12.	1.3	1
35	Chemically Self-Propelled 3D-Printed Microbots. , 2018, , .		0