Dengfeng Li

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6642679/publications.pdf

Version: 2024-02-01

35 papers	1,551 citations	430442 18 h-index	377514 34 g-index
35 all docs	35 docs citations	35 times ranked	1494 citing authors

#	Article	IF	Citations
1	Thin, soft, 3D printing enabled crosstalk minimized triboelectric nanogenerator arrays for tactile sensing. Fundamental Research, 2023, 3, 111-117.	1.6	6
2	Epidermal self-powered sweat sensors for glucose and lactate monitoring. Bio-Design and Manufacturing, 2022, 5, 201-209.	3.9	53
3	Electronic skin as wireless human-machine interfaces for robotic VR. Science Advances, 2022, 8, eabl6700.	4.7	88
4	Recent advances in multi-mode haptic feedback technologies towards wearable interfaces. Materials Today Physics, 2022, 22, 100602.	2.9	19
5	Garment embedded sweat-activated batteries in wearable electronics for continuous sweat monitoring. Npj Flexible Electronics, 2022, 6, .	5.1	24
6	Bio-inspired ultra-thin microfluidics for soft sweat-activated batteries and skin electronics. Journal of Materials Chemistry A, 2022, 10, 19662-19670.	5.2	5
7	Origami-inspired folding assembly of dielectric elastomers for programmable soft robots. Microsystems and Nanoengineering, 2022, 8, 37.	3.4	14
8	Triboelectric Nanogenerator Tattoos Enabled by Epidermal Electronic Technologies. Advanced Functional Materials, 2022, 32, .	7.8	25
9	Transient, Implantable, Ultrathin Biofuel Cells Enabled by Laser-Induced Graphene and Gold Nanoparticles Composite. Nano Letters, 2022, 22, 3447-3456.	4.5	19
10	Skin-integrated, stretchable, transparent triboelectric nanogenerators based on ion-conducting hydrogel for energy harvesting and tactile sensing. Nano Energy, 2022, 99, 107442.	8.2	39
11	Implantable Electronic Medicine Enabled by Bioresorbable Microneedles for Wireless Electrotherapy and Drug Delivery. Nano Letters, 2022, 22, 5944-5953.	4.5	36
12	Trampoline inspired stretchable triboelectric nanogenerators as tactile sensors for epidermal electronics. Nano Energy, 2021, 81, 105590.	8.2	57
13	Recent progress of skin-integrated electronics for intelligent sensing. Light Advanced Manufacturing, 2021, 2, 39.	2.2	18
14	Bioinspired Ultrathin Piecewise Controllable Soft Robots. Advanced Materials Technologies, 2021, 6, 2001095.	3.0	27
15	Miniaturized electromechanical devices for the characterization of the biomechanics of deep tissue. Nature Biomedical Engineering, 2021, 5, 759-771.	11.6	65
16	Thin, soft, <scp>garmentâ€integrated</scp> triboelectric nanogenerators for energy harvesting and human machine interfaces. EcoMat, 2021, 3, e12123.	6.8	15
17	A multifunctional targeted nanoprobe with high NIR-II PAI/MRI performance for precise theranostics of orthotopic early-stage hepatocellular carcinoma. Journal of Materials Chemistry B, 2021, 9, 8779-8792.	2.9	15
18	Miniaturization of mechanical actuators in skin-integrated electronics for haptic interfaces. Microsystems and Nanoengineering, 2021, 7, 85.	3.4	24

#	Article	IF	Citations
19	Stretchable transparent conductive elastomers for skin-integrated electronics. Journal of Materials Chemistry C, 2020, 8, 15105-15111.	2.7	18
20	Skin-Like Strain Sensors Enabled by Elastomer Composites for Humanâ€“Machine Interfaces. Coatings, 2020, 10, 711.	1.2	15
21	Stretchable Triboelectric Nanogenerators for Energy Harvesting and Motion Monitoring. IEEE Open Journal of Nanotechnology, 2020, 1, 109-116.	0.9	11
22	Micro-rocket robot with all-optic actuating and tracking in blood. Light: Science and Applications, 2020, 9, 84.	7.7	100
23	Mechanics designs-performance relationships in epidermal triboelectric nanogenerators. Nano Energy, 2020, 76, 105017.	8.2	24
24	Confocal visible/NIR photoacoustic microscopy of tumors with structural, functional, and nanoprobe contrasts. Photonics Research, 2020, 8, 1875.	3.4	25
25	Electronic Skin from High-Throughput Fabrication of Intrinsically Stretchable Lead Zirconate Titanate Elastomer. Research, 2020, 2020, 1085417.	2.8	33
26	Skinâ€Integrated Grapheneâ€Embedded Lead Zirconate Titanate Rubber for Energy Harvesting and Mechanical Sensing. Advanced Materials Technologies, 2019, 4, 1900744.	3.0	52
27	A Low-Cost Portable Nanophotonic Sensor Based on a Smartphone: A System Readily Available for Many Applications. IEEE Nanotechnology Magazine, 2019, 13, 6-12.	0.9	1
28	Automatic Microwaveguide Coupling Based on Hybrid Position and Light Intensity Feedback. IEEE/ASME Transactions on Mechatronics, 2019, 24, 1166-1175.	3.7	7
29	Inchworm-Inspired Soft Robot With Light-Actuated Locomotion. IEEE Robotics and Automation Letters, 2019, 4, 1647-1652.	3.3	16
30	Skin-integrated wireless haptic interfaces for virtual and augmented reality. Nature, 2019, 575, 473-479.	13.7	610
31	Grapheneâ€Based Lightâ€Driven Soft Robot with Snakeâ€Inspired Concertina and Serpentine Locomotion. Advanced Materials Technologies, 2019, 4, 1800366.	3.0	37
32	Chemically Self-Propelled 3D-Printed Microbots. , 2018, , .		0
33	A fast and powerful swimming microrobot with a serrated tail enhanced propulsion interface. Nanoscale, 2018, 10, 19673-19677.	2.8	30
34	Less-invasive non-embedded cell cutting by nanomanipulation and vibrating nanoknife. Applied Physics Letters, 2017, 110, .	1.5	18
35	In situbending and recovery characterization of hollow glass nanoneedle based on nanorobotic manipulation. Journal of Micromechanics and Microengineering, 2017, 27, 095011.	1.5	5