

# Zunfeng Liu

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/5920546/zunfeng-liu-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64  
papers

4,719  
citations

24  
h-index

67  
g-index

67  
ext. papers

5,513  
ext. citations

10.1  
avg, IF

5.39  
L-index

#	Paper	IF	Citations
64	High-Efficiency Loading and Controlled Release of Doxorubicin Hydrochloride on Graphene Oxide. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 17554-17558	3.8	805
63	Organic solar cells with solution-processed graphene transparent electrodes. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 263302	3.4	788
62	Reflection and absorption contributions to the electromagnetic interference shielding of single-walled carbon nanotube/polyurethane composites. <i>Carbon</i> , <b>2007</b> , 45, 821-827	10.4	589
61	Polymer Photovoltaic Cells Based on Solution-Processable Graphene and P3HT. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 894-904	15.6	437
60	Microwave Absorption of Single-Walled Carbon Nanotubes/Soluble Cross-Linked Polyurethane Composites. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 13696-13700	3.8	280
59	Harvesting electrical energy from carbon nanotube yarn twist. <i>Science</i> , <b>2017</b> , 357, 773-778	33.3	214
58	Synergistically assembled MWCNT/graphene foam with highly efficient microwave absorption in both C and X bands. <i>Carbon</i> , <b>2017</b> , 124, 506-514	10.4	214
57	Organic photovoltaic cells based on an acceptor of soluble graphene. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 223303	3.4	181
56	Moisture Sensitive Smart Yarns and Textiles from Self-Balanced Silk Fiber Muscles. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1808241	15.6	119
55	Downsized Sheath-Core Conducting Fibers for Weavable Superelastic Wires, Biosensors, Supercapacitors, and Strain Sensors. <i>Advanced Materials</i> , <b>2016</b> , 28, 4998-5007	24	107
54	A Bi-Sheath Fiber Sensor for Giant Tensile and Torsional Displacements. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1702134	15.6	68
53	Torsional refrigeration by twisted, coiled, and supercoiled fibers. <i>Science</i> , <b>2019</b> , 366, 216-221	33.3	65
52	Fabrication of Light-Triggered Soft Artificial Muscles via a Mixed-Matrix Membrane Strategy. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 10192-10196	16.4	60
51	Photothermal Bimorph Actuators with In-Built Cooler for Light Mills, Frequency Switches, and Soft Robots. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1808995	15.6	59
50	Artificial spider silk from ion-doped and twisted core-sheath hydrogel fibres. <i>Nature Communications</i> , <b>2019</b> , 10, 5293	17.4	59
49	Glycyrrhetic Acid Functionalized Graphene Oxide for Mitochondria Targeting and Cancer Treatment In Vivo. <i>Small</i> , <b>2018</b> , 14, 1703306	11	58
48	Buckled Structures: Fabrication and Applications in Wearable Electronics. <i>Small</i> , <b>2019</b> , 15, e1804805	11	46

47	Self-assembly of dendritic-lamellar MXene/Carbon nanotube conductive films for wearable tactile sensors and artificial skin. <i>Carbon</i> , <b>2020</b> , 164, 111-120	10.4	46
46	Stretchable microwave absorbing and electromagnetic interference shielding foam with hierarchical buckling induced by solvent swelling. <i>Carbon</i> , <b>2020</b> , 157, 466-477	10.4	36
45	Multi-responsive and multi-motion bimorph actuator based on super-aligned carbon nanotube sheets. <i>Carbon</i> , <b>2019</b> , 148, 487-495	10.4	35
44	Multi-functionalized single-walled carbon nanotubes as tumor cell targeting biological transporters. <i>Journal of Nanoparticle Research</i> , <b>2008</b> , 10, 815-822	2.3	34
43	Tensile and torsional elastomer fiber artificial muscle by entropic elasticity with thermo-piezoresistive sensing of strain and rotation by a single electric signal. <i>Materials Horizons</i> , <b>2020</b> , 7, 3305-3315	14.4	26
42	Recent Advances in Photoactuators and Their Applications in Intelligent Bionic Movements. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2000886	8.1	26
41	Progresses in Tensile, Torsional, and Multifunctional Soft Actuators. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2007437	15.6	26
40	Moisture-sensitive torsional cotton artificial muscle and textile. <i>Chinese Physics B</i> , <b>2020</b> , 29, 048103	1.2	24
39	Fabrication of Light-Triggered Soft Artificial Muscles via a Mixed-Matrix Membrane Strategy. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 10349-10353	3.6	24
38	Tuning the reversibility of hair artificial muscles by disulfide cross-linking for sensors, switches, and soft robotics. <i>Materials Horizons</i> , <b>2021</b> , 8, 1538-1546	14.4	23
37	Enhancing the strength, toughness, and electrical conductivity of twist-spun carbon nanotube yarns by bridging. <i>Carbon</i> , <b>2019</b> , 150, 268-274	10.4	22
36	Gold Nanorods with Silica Shell and PAMAM Dendrimers for Efficient Photothermal Therapy and Low Toxic Codelivery of Anticancer Drug and siRNA. <i>Advanced Materials Interfaces</i> , <b>2017</b> , 4, 1701166	4.6	22
35	Self-Healing, Robust, and Stretchable Electrode by Direct Printing on Dynamic Polyurea Surface at Slightly Elevated Temperature. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2102225	15.6	20
34	Somatosensitive film soft crawling robots driven by artificial muscle for load carrying and multi-terrain locomotion. <i>Materials Horizons</i> , <b>2021</b> , 8, 1783-1794	14.4	18
33	Design of Dendritic Large-Pore Mesoporous Silica Nanoparticles with Controlled Structure and Formation Mechanism in Dual-Templating Strategy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 18823-18832	9.5	14
32	Mechanical modulation of terahertz wave via buckled carbon nanotube sheets. <i>Optics Express</i> , <b>2018</b> , 26, 28738-28750	3.3	13
31	A General Approach for Buckled Bulk Composites by Combined Biaxial Stretch and Layer-by-Layer Deposition and Their Electrical and Electromagnetic Applications. <i>Advanced Electronic Materials</i> , <b>2019</b> , 5, 1800817	6.4	12
30	One-Step Synergistic Effect to Produce Two-Dimensional N-Doped Hierarchical Porous Carbon Nanosheets for High-Performance Flexible Supercapacitors. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 8562-8572	6.1	12

29	The Power of Fiber Twist. <i>Accounts of Chemical Research</i> , <b>2021</b> , 54, 2624-2636	24.3	11
28	Highly improved water tolerance of hydrogel fibers with a carbon nanotube sheath for rotational, contractile and elongational actuation. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 10240-10250	13	11
27	Controllable Preparation of Ordered and Hierarchically Buckled Structures for Inflatable Tumor Ablation, Volumetric Strain Sensor, and Communication via Inflatable Antenna. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 10862-10873	9.5	10
26	Preparation and Size Determination of a Soluble Cross-Linked Macromolecule of Polyurethane with an Ethylene Diamine Chain Extender. <i>Macromolecules</i> , <b>2005</b> , 38, 69-76	5.5	9
25	Twisted and coiled bamboo artificial muscles for moisture responsive torsional and tensile actuation. <i>Chinese Physics B</i> , <b>2020</b> , 29, 118103	1.2	9
24	Recent Advances in Twisted-Fiber Artificial Muscles. <i>Advanced Intelligent Systems</i> , <b>2021</b> , 3, 2000185	6	9
23	Robust Jumping Actuator with a Shrimp-Shell Architecture. <i>Advanced Materials</i> , <b>2021</b> , 33, e2104558	24	9
22	Intrinsic elastic conductors with internal buckled electron pathway for flexible electromagnetic interference shielding and tumor ablation. <i>Science China Materials</i> , <b>2020</b> , 63, 1318-1329	7.1	7
21	Fabrication of Stretchable Copper Coated Carbon Nanotube Conductor for Non-Enzymatic Glucose Detection Electrode with Low Detection Limit and Selectivity. <i>Polymers</i> , <b>2018</b> , 10,	4.5	7
20	Spider Silk-Inspired Artificial Fibers.. <i>Advanced Science</i> , <b>2021</b> , e2103965	13.6	7
19	Twist-based cooling of polyvinylidene difluoride for mechanothermochromic fibers. <i>Chemical Engineering Journal</i> , <b>2021</b> , 417, 128060	14.7	6
18	Microfluidic manipulation by spiral hollow-fibre actuators.. <i>Nature Communications</i> , <b>2022</b> , 13, 1331	17.4	6
17	Three-Dimensional Conducting Elastomeric Composites Based on Buckling Carbon Nanotube Sheets for Interconnects and Temperature Sensor. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2017</b> , 17, 1934-1941	1.3	5
16	Miniaturized Stretchable and High-Rate Linear Supercapacitors. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 448	5	5
15	Flexible and Compressible Temperature Sensors Based on Hierarchically Buckled Carbon Nanotube/Rubber Bi-Sheath-Core Fibers. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 2732-2737	1.3	4
14	Synthesis and characterization of the isolated straight polymer chain inside of single-walled carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 5570-5	1.3	4
13	Protein-Like Nanogel for Spinning Hierarchically Structured Artificial Spider Silk.. <i>Advanced Materials</i> , <b>2022</b> , e2201843	24	4
12	Flexible Electronics: A Bi-Sheath Fiber Sensor for Giant Tensile and Torsional Displacements (Adv. Funct. Mater. 35/2017). <i>Advanced Functional Materials</i> , <b>2017</b> , 27,	15.6	3

11	Extracellular Nanovesicle Enhanced Gene Transfection Using Polyethyleneimine in HEK293T Cells and Zebrafish Embryos. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 448	5.8	2
10	Photothermal Actuators: Photothermal Bimorph Actuators with In-Built Cooler for Light Mills, Frequency Switches, and Soft Robots (Adv. Funct. Mater. 27/2019). <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1970184	15.6	2
9	A novel method for extraction and separation of total flavones and total astragalosides from Radix astragali. <i>Chemistry of Natural Compounds</i> , <b>2007</b> , 43, 29-33	0.7	2
8	Wearable Electronics: Buckled Structures: Fabrication and Applications in Wearable Electronics (Small 32/2019). <i>Small</i> , <b>2019</b> , 15, 1970169	11	1
7	Microstructure evolution of polycrystalline silicon by molecular dynamics simulation. <i>AIP Advances</i> , <b>2017</b> , 7, 065113	1.5	1
6	Long-Residence Pneumonia Vaccine Developed Using PEG-Grafted Hybrid Nanovesicles from Cell Membrane Fusion of Mycoplasma and IFN- $\beta$ -Primed Macrophages. <i>Small</i> , <b>2021</b> , 17, e2101183	11	0
5	A review of the synergistic effect of multi-coordination crystal fields on electrocatalysts. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 6718-6734	7.8	0
4	Size-refinement enhanced flexibility and electrochemical performance of MXene electrodes for flexible waterproof supercapacitors. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 63, 594-594	12	0
3	Core-shell PdAu nanocluster catalysts to suppress sulfur poisoning. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 15010-15019	3.6	0
2	Stretchable electromagnetic interference shielding and antenna for wireless strain sensing by anisotropic micron-steel-wire based conductive elastomers. <i>Chinese Physics B</i> , <b>2021</b> , 30, 018401	1.2	
1	Transformable thin-film robots capable of crawling, rolling, and oscillation. <i>Applied Materials Today</i> , <b>2022</b> , 28, 101514	6.6	