

Zijian Zheng

List of Publications by Year in descending order

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Version: 2024-02-01

177
papers

13,640
citations

15504

65
h-index

22832

112
g-index

187
all docs

187
docs citations

187
times ranked

16740
citing authors

#	ARTICLE	IF	CITATIONS
1	Wearable energy-dense and power-dense supercapacitor yarns enabled by scalable graphene‐metallic textile composite electrodes. <i>Nature Communications</i> , 2015, 6, 7260.	12.8	534
2	Polymer Pen Lithography. <i>Science</i> , 2008, 321, 1658-1660.	12.6	501
3	Production of Two‐Dimensional Nanomaterials via Liquid‐Based Direct Exfoliation. <i>Small</i> , 2016, 12, 272-293.	10.0	407
4	Permeable superelastic liquid-metal fibre mat enables biocompatible and monolithic stretchable electronics. <i>Nature Materials</i> , 2021, 20, 859-868.	27.5	407
5	Scalable 2D Hierarchical Porous Carbon Nanosheets for Flexible Supercapacitors with Ultrahigh Energy Density. <i>Advanced Materials</i> , 2018, 30, 1706054.	21.0	405
6	A Transparent, Flexible, Low‐Temperature, and Solution‐Processible Graphene Composite Electrode. <i>Advanced Functional Materials</i> , 2010, 20, 2893-2902.	14.9	380
7	Machine‐Washable Textile Triboelectric Nanogenerators for Effective Human Respiratory Monitoring through Loom Weaving of Metallic Yarns. <i>Advanced Materials</i> , 2016, 28, 10267-10274.	21.0	328
8	Waterproof, Ultrahigh Areal‐Capacitance, Wearable Supercapacitor Fabrics. <i>Advanced Materials</i> , 2017, 29, 1606679.	21.0	297
9	Photosensitive Graphene Transistors. <i>Advanced Materials</i> , 2014, 26, 5239-5273.	21.0	290
10	Textile‐Based Electrochemical Energy Storage Devices. <i>Advanced Energy Materials</i> , 2016, 6, 1600783.	19.5	287
11	A highly sensitive ultraviolet sensor based on a facile in situ solution-grown ZnO nanorod/graphene heterostructure. <i>Nanoscale</i> , 2011, 3, 258-264.	5.6	273
12	Functional polymer surfaces for controlling cell behaviors. <i>Materials Today</i> , 2018, 21, 38-59.	14.2	257
13	Chemical formation of soft metal electrodes for flexible and wearable electronics. <i>Chemical Society Reviews</i> , 2018, 47, 4611-4641.	38.1	245
14	Thin Film Field‐Effect Phototransistors from Bandgap‐Tunable, Solution‐Processed, Few‐Layer Reduced Graphene Oxide Films. <i>Advanced Materials</i> , 2010, 22, 4872-4876.	21.0	209
15	Self‐Healing Materials for Next‐Generation Energy Harvesting and Storage Devices. <i>Advanced Energy Materials</i> , 2017, 7, 1700890.	19.5	206
16	Stretchable Conductors with Ultrahigh Tensile Strain and Stable Metallic Conductance Enabled by Prestrained Polyelectrolyte Nanoplateforms. <i>Advanced Materials</i> , 2011, 23, 3090-3094.	21.0	196
17	Flexible and stable high-energy lithium-sulfur full batteries with only 100% oversized lithium. <i>Nature Communications</i> , 2018, 9, 4480.	12.8	193
18	Polyelectrolyte-Bridged Metal/Cotton Hierarchical Structures for Highly Durable Conductive Yarns. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 529-535.	8.0	184

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19	Multicomponent Polymer Brushes. <i>Journal of the American Chemical Society</i> , 2006, 128, 16253-16258.	13.7	177
20	Organic Flexible Electronics. <i>Small Methods</i> , 2018, 2, 1800070.	8.6	177
21	Uniaxial Alignment of Liquid-Crystalline Conjugated Polymers by Nanoconfinement. <i>Nano Letters</i> , 2007, 7, 987-992.	9.1	173
22	Polymer-Assisted Metal Deposition (PAMD): A Full-Solution Strategy for Flexible, Stretchable, Compressible, and Wearable Metal Conductors. <i>Advanced Materials</i> , 2014, 26, 5508-5516.	21.0	170
23	A Transparent, Highly Stretchable, Autonomous Self-Healing Poly(dimethyl siloxane) Elastomer. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700110.	3.9	165
24	Matrix-Assisted Catalytic Printing for the Fabrication of Multiscale, Flexible, Foldable, and Stretchable Metal Conductors. <i>Advanced Materials</i> , 2013, 25, 3343-3350.	21.0	160
25	Three-Dimensional Compressible and Stretchable Conductive Composites. <i>Advanced Materials</i> , 2014, 26, 810-815.	21.0	156
26	Solution-Processed Transparent Electrodes for Emerging Thin-Film Solar Cells. <i>Chemical Reviews</i> , 2020, 120, 2049-2122.	47.7	152
27	Machine-washable and breathable pressure sensors based on triboelectric nanogenerators enabled by textile technologies. <i>Nano Energy</i> , 2020, 70, 104528.	16.0	151
28	Zwitterionic-Surfactant-Assisted Room-Temperature Coating of Efficient Perovskite Solar Cells. <i>Joule</i> , 2020, 4, 2404-2425.	24.0	137
29	Scanning probe block copolymer lithography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 20202-20206.	7.1	131
30	Polymer-Assisted Metal Deposition (PAMD) for Flexible and Wearable Electronics: Principle, Materials, Printing, and Devices. <i>Advanced Materials</i> , 2019, 31, e1902987.	21.0	128
31	Highly selective and sensitive glucose sensors based on organic electrochemical transistors with graphene-modified gate electrodes. <i>Journal of Materials Chemistry B</i> , 2013, 1, 3820.	5.8	126
32	Flexible Interface Design for Stress Regulation of a Silicon Anode toward Highly Stable Dual-Ion Batteries. <i>Advanced Materials</i> , 2020, 32, e1908470.	21.0	126
33	Efficient Conjugated-Polymer Optoelectronic Devices Fabricated by Thin-Film Transfer-Printing Technique. <i>Advanced Functional Materials</i> , 2008, 18, 1012-1019.	14.9	125
34	Progress in textile-based triboelectric nanogenerators for smart fabrics. <i>Nano Energy</i> , 2019, 56, 16-24.	16.0	122
35	Facile Synthesis of Wide-Bandgap Fluorinated Graphene Semiconductors. <i>Chemistry - A European Journal</i> , 2011, 17, 8896-8903.	3.3	121
36	Organic electrochemical transistors with graphene-modified gate electrodes for highly sensitive and selective dopamine sensors. <i>Journal of Materials Chemistry B</i> , 2014, 2, 191-200.	5.8	119

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37	Graphene-based two-dimensional Janus materials. <i>NPG Asia Materials</i> , 2018, 10, 217-237.	7.9	113
38	Functionalized Fiber-Based Strain Sensors: Pathway to Next-Generation Wearable Electronics. <i>Nano-Micro Letters</i> , 2022, 14, 61.	27.0	113
39	Regulating Infrared Photoresponses in Reduced Graphene Oxide Phototransistors by Defect and Atomic Structure Control. <i>ACS Nano</i> , 2013, 7, 6310-6320.	14.6	112
40	Multiplexed Protein Arrays Enabled by Polymer Pen Lithography: Addressing the Inking Challenge. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7626-7629.	13.8	111
41	V ₂ O ₅ Textile Cathodes with High Capacity and Stability for Flexible Lithium-Ion Batteries. <i>Advanced Materials</i> , 2020, 32, e1906205.	21.0	107
42	Evolution of Dip-Pen Nanolithography (DPN): From Molecular Patterning to Materials Discovery. <i>Chemical Reviews</i> , 2020, 120, 6009-6047.	47.7	107
43	Biomimicking Topographic Elastomeric Petals (EPetals) for Omnidirectional Stretchable and Printable Electronics. <i>Advanced Science</i> , 2015, 2, 1400021.	11.2	96
44	Highly Breathable and Stretchable Strain Sensors with Insensitive Response to Pressure and Bending. <i>Advanced Functional Materials</i> , 2021, 31, 2007622.	14.9	96
45	Orthogonal photochemistry-assisted printing of 3D tough and stretchable conductive hydrogels. <i>Nature Communications</i> , 2021, 12, 2082.	12.8	96
46	Salt-Assisted High-Throughput Synthesis of Single- and Few-Layer Transition Metal Dichalcogenides and Their Application in Organic Solar Cells. <i>Small</i> , 2014, 10, 4651-4657.	10.0	94
47	Rational Design of Binders for Stable Li-S and Na-S Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 1907931.	14.9	92
48	Salt-assisted direct exfoliation of graphite into high-quality, large-size, few-layer graphene sheets. <i>Nanoscale</i> , 2013, 5, 7202.	5.6	88
49	500 Wh kg ⁻¹ Class Li Metal Battery Enabled by a Self-Organized Core-Shell Composite Anode. <i>Advanced Materials</i> , 2020, 32, e2004793.	21.0	86
50	In situ formation of highly active Ni-Fe based oxygen-evolving electrocatalysts via simple reactive dip-coating. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11009-11015.	10.3	85
51	Fibrous Materials for Flexible Li-S Battery. <i>Advanced Energy Materials</i> , 2021, 11, 2002580.	19.5	85
52	A Figure of Merit for Flexible Batteries. <i>Joule</i> , 2020, 4, 1346-1349.	24.0	81
53	Metal-Based Flexible Transparent Electrodes: Challenges and Recent Advances. <i>Advanced Electronic Materials</i> , 2021, 7, 2001121.	5.1	79
54	Textile Composite Electrodes for Flexible Batteries and Supercapacitors: Opportunities and Challenges. <i>Advanced Energy Materials</i> , 2021, 11, 2002838.	19.5	78

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55	Photoreactive and Metal-Platable Copolymer Inks for High-Throughput, Room-Temperature Printing of Flexible Metal Electrodes for Thin-Film Electronics. <i>Advanced Materials</i> , 2016, 28, 4926-4934.	21.0	77
56	Fully Solution-Processed TCO-Free Semitransparent Perovskite Solar Cells for Tandem and Flexible Applications. <i>Advanced Energy Materials</i> , 2018, 8, 1701569.	19.5	77
57	Topography Printing to Locally Control Wettability. <i>Journal of the American Chemical Society</i> , 2006, 128, 7730-7731.	13.7	75
58	Phosphorus Incorporation into Co ₉ S ₈ Nanocages for Highly Efficient Oxygen Evolution Catalysis. <i>Small</i> , 2019, 15, e1904507.	10.0	75
59	Development of Dip-Pen Nanolithography (DPN) and Its Derivatives. <i>Small</i> , 2019, 15, e1900564.	10.0	75
60	One-step electrospinning of carbon nanowebbs on metallic textiles for high-capacitance supercapacitor fabrics. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6802-6808.	10.3	74
61	Polyelectrolyte Brushes as Efficient Ultrathin Platforms for Site-Selective Copper Electroless Deposition. <i>Langmuir</i> , 2006, 22, 6730-6733.	3.5	73
62	Flexible and Stretchable Perovskite Solar Cells: Device Design and Development Methods. <i>Small Methods</i> , 2018, 2, 1800031.	8.6	71
63	Flexible high energy density zinc-ion batteries enabled by binder-free MnO ₂ /reduced graphene oxide electrode. <i>Npj Flexible Electronics</i> , 2018, 2, .	10.7	69
64	Force- and Time-Dependent Feature Size and Shape Control in Molecular Printing via Polymer-Pen Lithography. <i>Small</i> , 2010, 6, 1082-1086.	10.0	68
65	Fabrication of Arbitrary Three-Dimensional Polymer Structures by Rational Control of the Spacing between Nanobrushes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6506-6510.	13.8	68
66	Pathways of Developing High-Energy-Density Flexible Lithium Batteries. <i>Advanced Materials</i> , 2021, 33, e2004419.	21.0	68
67	Full-Solution Processed Flexible Organic Solar Cells Using Low-Cost Printable Copper Electrodes. <i>Advanced Materials</i> , 2014, 26, 7271-7278.	21.0	67
68	Liquid-Metal-Superlyophilic and Conductivity-Strain-Enhancing Scaffold for Permeable Superelastic Conductors. <i>Advanced Functional Materials</i> , 2021, 31, 2105587.	14.9	64
69	Surface-Grafted Polymer-Assisted Electroless Deposition of Metals for Flexible and Stretchable Electronics. <i>Chemistry - an Asian Journal</i> , 2012, 7, 862-870.	3.3	61
70	Seeded Synthesis of Unconventional 2H-Phase Pd Alloy Nanomaterials for Highly Efficient Oxygen Reduction. <i>Journal of the American Chemical Society</i> , 2021, 143, 17292-17299.	13.7	59
71	3D-patterned polymer brush surfaces. <i>Nanoscale</i> , 2011, 3, 4929.	5.6	58
72	Bio-Inspired Chemical Fabrication of Stretchable Transparent Electrodes. <i>Small</i> , 2015, 11, 3444-3449.	10.0	58

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73	New Lithium Salt Forms Interphases Suppressing Both Li Dendrite and Polysulfide Shuttling. <i>Advanced Energy Materials</i> , 2020, 10, 1903937.	19.5	58
74	Versatile biomimetic haze films for efficiency enhancement of photovoltaic devices. <i>Journal of Materials Chemistry A</i> , 2017, 5, 969-974.	10.3	56
75	Visible-light-assisted multimechanism design for one-step engineering tough hydrogels in seconds. <i>Nature Communications</i> , 2020, 11, 4694.	12.8	56
76	Additive Functionalization and Embroidery for Manufacturing Wearable and Washable Textile Supercapacitors. <i>Advanced Functional Materials</i> , 2020, 30, 1910541.	14.9	55
77	Programming nanostructures of polymer brushes by dip-pen nanodisplacement lithography (DNL). <i>Nanoscale</i> , 2010, 2, 2614.	5.6	54
78	Fabrication of silk fibroin nanoparticles for controlled drug delivery. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	54
79	Stretchable ITO-Free Organic Solar Cells with Intrinsic Anti-Reflection Substrate for High-Efficiency Outdoor and Indoor Energy Harvesting. <i>Advanced Functional Materials</i> , 2021, 31, 2010172.	14.9	53
80	Polyelectrolyte Brushes as Ink Nanoreservoirs for Microcontact Printing of Ionic Species with Poly(dimethyl siloxane) Stamps. <i>Advanced Functional Materials</i> , 2006, 16, 1037-1042.	14.9	52
81	Massively Parallel Patterning of Complex 2D and 3D Functional Polymer Brushes by Polymer Pen Lithography. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 11955-11964.	8.0	52
82	A highly sensitive stretchable strain sensor based on multi-functionalized fabric for respiration monitoring and identification. <i>Chemical Engineering Journal</i> , 2021, 426, 130869.	12.7	51
83	Surface-Directed Phase Separation of Conjugated Polymer Blends for Efficient Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2008, 18, 2897-2904.	14.9	50
84	Smoothing the Sodium-Metal Anode with a Self-Regulating Alloy Interface for High-Energy and Sustainable Sodium-Metal Batteries. <i>Advanced Materials</i> , 2021, 33, e2102802.	21.0	50
85	Topographically Flat, Chemically Patterned PDMS Stamps Made by Dip-Pen Nanolithography. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9951-9954.	13.8	49
86	Water-based phytic acid-crosslinked supramolecular binders for lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2020, 395, 124981.	12.7	49
87	Arrays of Nanoscale Lenses for Subwavelength Optical Lithography. <i>Nano Letters</i> , 2010, 10, 4399-4404.	9.1	47
88	Permeable graphited hemp fabrics-based, wearing-comfortable pressure sensors for monitoring human activities. <i>Chemical Engineering Journal</i> , 2021, 403, 126191.	12.7	47
89	Two-dimensional hierarchically porous carbon nanosheets for flexible aqueous supercapacitors with high volumetric capacitance. <i>Nanoscale</i> , 2019, 11, 11086-11092.	5.6	46
90	Permeable Conductors for Wearable and On-Skin Electronics. <i>Small Structures</i> , 2022, 3, 2100135.	12.0	46

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91	Biomimicking Nano-µ Binary Polymer Brushes for Smart Cell Orientation and Adhesion Control. <i>Small</i> , 2016, 12, 3400-3406.	10.0	43
92	Soft Hybrid Scaffold (SHS) Strategy for Realization of Ultrahigh Energy Density of Wearable Aqueous Supercapacitors. <i>Advanced Materials</i> , 2020, 32, e1907088.	21.0	43
93	Bioinspired Microfluidic Device by Integrating a Porous Membrane and Heterostructured Nanoporous Particles for Biomolecule Cleaning. <i>ACS Nano</i> , 2019, 13, 8374-8381.	14.6	40
94	Apertureless Cantilever-Free Pen Arrays for Scanning Photochemical Printing. <i>Small</i> , 2015, 11, 913-918.	10.0	39
95	Freestanding Lamellar Porous Carbon Stacks for Low-temperature Foldable Supercapacitors. <i>Small</i> , 2019, 15, e1902071.	10.0	39
96	Fabrication of Asymmetric Tubular Hydrogels through Polymerization-Assisted Welding for Thermal Flow Actuated Artificial Muscles. <i>Chemistry of Materials</i> , 2019, 31, 4469-4478.	6.7	39
97	Generation of Metal Photomasks by Dip-Pen Nanolithography. <i>Small</i> , 2009, 5, 1850-1853.	10.0	37
98	Polymer Pen Lithography Using Dual-Elastomer Tip Arrays. <i>Small</i> , 2012, 8, 2664-2669.	10.0	37
99	Positionally Defined, Binary Semiconductor Nanoparticles Synthesized by Scanning Probe Block Copolymer Lithography. <i>Nano Letters</i> , 2012, 12, 1022-1025.	9.1	36
100	Polymer Nanostructures Made by Scanning Probe Lithography: Recent Progress in Material Applications. <i>Macromolecular Rapid Communications</i> , 2012, 33, 359-373.	3.9	36
101	Generation of Silk Fibroin Nanoparticles via Solution-Enhanced Dispersion by Supercritical CO ₂ . <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 3752-3761.	3.7	36
102	Aqueous and Air-compatible Fabrication of High-performance Conductive Textiles. <i>Chemistry - an Asian Journal</i> , 2014, 9, 2170-2177.	3.3	36
103	Simultaneous Surface Covalent Bonding and Radical Polymerization for Constructing Robust Soft Actuators with Fast Underwater Response. <i>Chemistry of Materials</i> , 2019, 31, 9504-9512.	6.7	36
104	Realizing High-energy and Stable Wire-type Batteries with Flexible Lithium-metal Composite Yarns. <i>Advanced Energy Materials</i> , 2021, 11, 2101809.	19.5	32
105	Strategies for high performance perovskite/crystalline silicon four-terminal tandem solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2018, 179, 36-44.	6.2	31
106	Water-borne foldable polymer solar cells: one-step transferring free-standing polymer films onto woven fabric electrodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 782-788.	10.3	30
107	2D metal patterns transformed from 3D printed stamps for flexible Zn//MnO ₂ in-plane micro-batteries. <i>Chemical Engineering Journal</i> , 2022, 429, 132196.	12.7	30
108	Bioinspired Hierarchical Structures for Contact-sensitive Adhesives. <i>Advanced Functional Materials</i> , 2022, 32, 2109076.	14.9	30

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109	Large-Area Patterning of Metal Nanostructures by Dip-Pen Nanodisplacement Lithography for Optical Applications. <i>Small</i> , 2017, 13, 1702003.	10.0	29
110	Inverted Anode Structure for Long-Life Lithium Metal Batteries. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	29
111	Polarization anisotropy dynamics for thin films of a conjugated polymer aligned by nanoimprinting. <i>Physical Review B</i> , 2008, 77, .	3.2	28
112	High-Resolution, Large-Area, Serial Fabrication of 3D Polymer Brush Structures by Parallel Dip-Pen Nanodisplacement Lithography. <i>Small</i> , 2012, 8, 3568-3572.	10.0	28
113	Binary oppositely charged polyelectrolyte brushes for highly selective electroless deposition of bimetallic patterns. <i>Electrochemistry Communications</i> , 2009, 11, 492-495.	4.7	27
114	Efficient Flexible Perovskite Solar Cells Using Low-Cost Cu Top and Bottom Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 26050-26059.	8.0	26
115	Dynamic cross-linking of an alginate-acrylamide tough hydrogel system: time-resolved in situ mapping of gel self-assembly. <i>RSC Advances</i> , 2021, 11, 10710-10726.	3.6	23
116	Construction of 3D Polymer Brushes by Dip-Pen Nanodisplacement Lithography: Understanding the Molecular Displacement for Ultrafine and High-Speed Patterning. <i>Small</i> , 2015, 11, 613-621.	10.0	22
117	Unprecedented Superhigh-Rate and Ultrastable Anode for High-Power Battery via Cationic Disorder. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	22
118	Polymer Brush Electrets. <i>Advanced Functional Materials</i> , 2013, 23, 3239-3246.	14.9	20
119	On-Tip Photo-Modulated Molecular Printing. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12894-12899.	13.8	20
120	Reversible Conversion of Dominant Polarity in Ambipolar Polymer/Graphene Oxide Hybrids. <i>Scientific Reports</i> , 2015, 5, 9446.	3.3	19
121	Salt-Assisted 2H to 1T ² Phase Transformation of Transition Metal Dichalcogenides. <i>Advanced Materials</i> , 2022, 34, e2201194.	21.0	19
122	Monolithic hierarchical gold sponges for efficient and stable catalysis in a continuous-flow microreactor. <i>Materials Chemistry Frontiers</i> , 2017, 1, 482-486.	5.9	18
123	Universal Nature-Inspired and Amine-Promoted Metallization for Flexible Electronics and Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 28963-28970.	8.0	18
124	Flexible Photodetectors Based on All-Solution-Processed Cu Electrodes and InSe Nanoflakes with High Stabilities. <i>Advanced Functional Materials</i> , 2022, 32, 2108261.	14.9	18
125	Au-coated carbon fabric as Janus current collector for dendrite-free flexible lithium metal anode and battery. <i>Applied Physics Reviews</i> , 2022, 9, .	11.3	18
126	Hybrid Lithium-Ion/Metal Electrodes Enable Long Cycle Stability and High Energy Density of Flexible Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	18

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127	Tandem Self-Powered Flexible Electrochromic Energy Supplier for Sustainable All-Day Operations. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	17
128	Supramolecular-Mediated ball-in-ball porous carbon nanospheres for ultrafast energy storage. <i>Informa-Materials</i> , 2022, 4, .	17.3	16
129	Scanning Nanowelding Lithography for Rewritable One-Step Patterning of Sub-50 nm High-Aspect-Ratio Metal Nanostructures. <i>Advanced Materials</i> , 2018, 30, e1801772.	21.0	15
130	In situ covalent bonding in polymerization to construct robust hydrogel lubrication coating on surface of silicone elastomer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 599, 124753.	4.7	15
131	Crumpled, high-power, and safe wearable Lithium-Ion Battery enabled by nanostructured metallic textiles. <i>Fundamental Research</i> , 2021, 1, 399-407.	3.3	15
132	Arbitrary and Parallel Nanofabrication of 3D Metal Structures with Polymer Brush Resists. <i>Small</i> , 2015, 11, 6013-6017.	10.0	14
133	Hollow multishelled structural NiO as a "shelter" for high-performance Li-S batteries. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2971-2975.	5.9	14
134	Rational Design of Li-Wicking Hosts for Ultrafast Fabrication of Flexible and Stable Lithium Metal Anodes. <i>Small</i> , 2022, 18, e2105308.	10.0	14
135	Wide-temperature range thermoregulating e-skin design through a hybrid structure of flexible thermoelectric devices and phase change materials heat sink. <i>EcoMat</i> , 2022, 4, .	11.9	14
136	Liquid-Mediated Three-Dimensional Scanning Probe Nanosculpting. <i>Small</i> , 2013, 9, 2851-2856.	10.0	13
137	Transferable, transparent and functional polymer@graphene 2D objects. <i>NPG Asia Materials</i> , 2014, 6, e130-e130.	7.9	13
138	Fiber-Based Thermoelectric Materials and Devices for Wearable Electronics. <i>Micromachines</i> , 2021, 12, 869.	2.9	13
139	Enabling high-energy flexible solid-state lithium ion batteries at room temperature. <i>Chemical Engineering Journal</i> , 2021, 424, 130335.	12.7	13
140	Inverse Opaline Metallic Membrane Addresses the Tradeoff Between Volumetric Capacitance and Areal Capacitance of Supercapacitor. <i>Advanced Energy Materials</i> , 2022, 12, 2102802.	19.5	13
141	Size-tunable, highly sensitive microelectrode arrays enabled by polymer pen lithography. <i>Soft Matter</i> , 2017, 13, 3685-3689.	2.7	12
142	Facile Fabrication of Highly Uniform Tellurium Nanorods for Self-Powered Flexible Optoelectronics. <i>Advanced Electronic Materials</i> , 2020, 6, 2000240.	5.1	12
143	Polymer-Assisted Metallization of Mammalian Cells. <i>Advanced Materials</i> , 2021, 33, e2102348.	21.0	12
144	Solution process formation of high performance, stable nanostructured transparent metal electrodes via displacement-diffusion-etch process. <i>Npj Flexible Electronics</i> , 2022, 6, .	10.7	12

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145	Interfacial engineering of printable bottom back metal electrodes for full-solution processed flexible organic solar cells. <i>Journal of Semiconductors</i> , 2018, 39, 014002.	3.7	11
146	Anisotropic Hydrogels with High Mechanical Strength by Stretching-Induced Oriented Crystallization and Drying. <i>ACS Applied Polymer Materials</i> , 2020, 2, 2142-2150.	4.4	11
147	Low-Temperature-Deposited TiO ₂ Nanopillars for Efficient and Flexible Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001512.	3.7	11
148	3D Dip-Pen Nanolithography. <i>Advanced Materials Technologies</i> , 2022, 7, 2101493.	5.8	11
149	Ionic liquids as two-dimensional templates for the spontaneous assembly of copper nanoparticles into nanobelts and observation of an intermediate state. <i>RSC Advances</i> , 2013, 3, 341-344.	3.6	9
150	Improved air-stability of an organic-inorganic perovskite with anhydrously transferred graphene. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8663-8669.	5.5	9
151	Boosting the Energy Density of Flexible Asymmetric Supercapacitor with Three Dimensional Fe ₂ O ₃ Composite Brush Anode. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 97-104.	2.6	9
152	Titanium Nanopillar Arrays Functioning as Electron Transporting Layers for Efficient, Anti-Aging Perovskite Solar Cells. <i>Small</i> , 2021, 17, e2004778.	10.0	9
153	Interfacial design of thick sulfur cathodes to achieve high energy density and stability. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17129-17142.	10.3	9
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