

## List of Publications by Citations

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

172 papers	9,814 citations	54 h-index	95 g-index
187 ext. papers	11,650 ext. citations	14 avg, IF	6.79 L-index

#	Paper	IF	Citations
172	Wearable energy-dense and power-dense supercapacitor yarns enabled by scalable graphene-metallic textile composite electrodes. <i>Nature Communications</i> , <b>2015</b> , 6, 7260	17.4	462
171	Polymer pen lithography. <i>Science</i> , <b>2008</b> , 321, 1658-60	33.3	441
170	A Transparent, Flexible, Low-Temperature, and Solution-Processible Graphene Composite Electrode. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 2893-2902	15.6	349
169	Production of Two-Dimensional Nanomaterials via Liquid-Based Direct Exfoliation. <i>Small</i> , <b>2016</b> , 12, 272-93	21.8	339
168	Scalable 2D Hierarchical Porous Carbon Nanosheets for Flexible Supercapacitors with Ultrahigh Energy Density. <i>Advanced Materials</i> , <b>2018</b> , 30, 1706054	24	330
167	A highly sensitive ultraviolet sensor based on a facile in situ solution-grown ZnO nanorod/graphene heterostructure. <i>Nanoscale</i> , <b>2011</b> , 3, 258-64	7.7	258
166	Waterproof, Ultrahigh Areal-Capacitance, Wearable Supercapacitor Fabrics. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606679	24	249
165	Photosensitive graphene transistors. <i>Advanced Materials</i> , <b>2014</b> , 26, 5239-73	24	247
164	Machine-Washable Textile Triboelectric Nanogenerators for Effective Human Respiratory Monitoring through Loom Weaving of Metallic Yarns. <i>Advanced Materials</i> , <b>2016</b> , 28, 10267-10274	24	246
163	Textile-Based Electrochemical Energy Storage Devices. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600783	21.8	216
162	Thin film field-effect phototransistors from bandgap-tunable, solution-processed, few-layer reduced graphene oxide films. <i>Advanced Materials</i> , <b>2010</b> , 22, 4872-6	24	196
161	Stretchable conductors with ultrahigh tensile strain and stable metallic conductance enabled by prestrained polyelectrolyte nanoplateforms. <i>Advanced Materials</i> , <b>2011</b> , 23, 3090-4	24	173
160	Functional polymer surfaces for controlling cell behaviors. <i>Materials Today</i> , <b>2018</b> , 21, 38-59	21.8	172
159	Polyelectrolyte-bridged metal/cotton hierarchical structures for highly durable conductive yarns. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2010</b> , 2, 529-35	9.5	167
158	Uniaxial alignment of liquid-crystalline conjugated polymers by nanoconfinement. <i>Nano Letters</i> , <b>2007</b> , 7, 987-92	11.5	167
157	Chemical formation of soft metal electrodes for flexible and wearable electronics. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 4611-4641	58.5	165
156	Multicomponent polymer brushes. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 16253-8	16.4	165

155	Self-Healing Materials for Next-Generation Energy Harvesting and Storage Devices. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1700890	21.8	147
154	Polymer-assisted metal deposition (PAMD): a full-solution strategy for flexible, stretchable, compressible, and wearable metal conductors. <i>Advanced Materials</i> , <b>2014</b> , 26, 5508-16	24	146
153	Permeable superelastic liquid-metal fibre mat enables biocompatible and monolithic stretchable electronics. <i>Nature Materials</i> , <b>2021</b> , 20, 859-868	27	142
152	Matrix-assisted catalytic printing for the fabrication of multiscale, flexible, foldable, and stretchable metal conductors. <i>Advanced Materials</i> , <b>2013</b> , 25, 3343-50	24	137
151	Three-dimensional compressible and stretchable conductive composites. <i>Advanced Materials</i> , <b>2014</b> , 26, 810-5	24	134
150	Flexible and stable high-energy lithium-sulfur full batteries with only 100% oversized lithium. <i>Nature Communications</i> , <b>2018</b> , 9, 4480	17.4	129
149	Efficient Conjugated-Polymer Optoelectronic Devices Fabricated by Thin-Film Transfer-Printing Technique. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 1012-1019	15.6	115
148	A Transparent, Highly Stretchable, Autonomous Self-Healing Poly(dimethyl siloxane) Elastomer. <i>Macromolecular Rapid Communications</i> , <b>2017</b> , 38, 1700110	4.8	114
147	Facile synthesis of wide-bandgap fluorinated graphene semiconductors. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 8896-903	4.8	112
146	Scanning probe block copolymer lithography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 20202-6	11.5	110
145	Organic Flexible Electronics. <i>Small Methods</i> , <b>2018</b> , 2, 1800070	12.8	106
144	Multiplexed protein arrays enabled by polymer pen lithography: addressing the inking challenge. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 7626-9	16.4	103
143	Highly selective and sensitive glucose sensors based on organic electrochemical transistors with graphene-modified gate electrodes. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 3820-3829	7.3	92
142	Organic electrochemical transistors with graphene-modified gate electrodes for highly sensitive and selective dopamine sensors. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 191-200	7.3	90
141	Regulating infrared photoresponses in reduced graphene oxide phototransistors by defect and atomic structure control. <i>ACS Nano</i> , <b>2013</b> , 7, 6310-20	16.7	89
140	Machine-washable and breathable pressure sensors based on triboelectric nanogenerators enabled by textile technologies. <i>Nano Energy</i> , <b>2020</b> , 70, 104528	17.1	84
139	Progress in textile-based triboelectric nanogenerators for smart fabrics. <i>Nano Energy</i> , <b>2019</b> , 56, 16-24	17.1	82
138	Flexible Interface Design for Stress Regulation of a Silicon Anode toward Highly Stable Dual-Ion Batteries. <i>Advanced Materials</i> , <b>2020</b> , 32, e1908470	24	81

137	Polymer-Assisted Metal Deposition (PAMD) for Flexible and Wearable Electronics: Principle, Materials, Printing, and Devices. <i>Advanced Materials</i> , <b>2019</b> , 31, e1902987	24	80
136	Biomimicking Topographic Elastomeric Petals (E-Petals) for Omnidirectional Stretchable and Printable Electronics. <i>Advanced Science</i> , <b>2015</b> , 2, 1400021	13.6	79
135	Salt-assisted direct exfoliation of graphite into high-quality, large-size, few-layer graphene sheets. <i>Nanoscale</i> , <b>2013</b> , 5, 7202-8	7.7	77
134	Solution-Processed Transparent Electrodes for Emerging Thin-Film Solar Cells. <i>Chemical Reviews</i> , <b>2020</b> , 120, 2049-2122	68.1	76
133	Salt-assisted high-throughput synthesis of single- and few-layer transition metal dichalcogenides and their application in organic solar cells. <i>Small</i> , <b>2014</b> , 10, 4651-7	11	71
132	Graphene-based two-dimensional Janus materials. <i>NPG Asia Materials</i> , <b>2018</b> , 10, 217-237	10.3	69
131	V O Textile Cathodes with High Capacity and Stability for Flexible Lithium-Ion Batteries. <i>Advanced Materials</i> , <b>2020</b> , 32, e1906205	24	68
130	Fully Solution-Processed TCO-Free Semitransparent Perovskite Solar Cells for Tandem and Flexible Applications. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1701569	21.8	67
129	Topography printing to locally control wettability. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 7730-1	16.4	67
128	Polyelectrolyte brushes as efficient ultrathin platforms for site-selective copper electroless deposition. <i>Langmuir</i> , <b>2006</b> , 22, 6730-3	4	67
127	One-step electrospinning of carbon nanoweb on metallic textiles for high-capacitance supercapacitor fabrics. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 6802-6808	13	66
126	Zwitterionic-Surfactant-Assisted Room-Temperature Coating of Efficient Perovskite Solar Cells. <i>Joule</i> , <b>2020</b> , 4, 2404-2425	27.8	65
125	Fabrication of arbitrary three-dimensional polymer structures by rational control of the spacing between nanobrushes. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 6506-10	16.4	64
124	Full-solution processed flexible organic solar cells using low-cost printable copper electrodes. <i>Advanced Materials</i> , <b>2014</b> , 26, 7271-8	24	59
123	Photoreactive and Metal-Platable Copolymer Inks for High-Throughput, Room-Temperature Printing of Flexible Metal Electrodes for Thin-Film Electronics. <i>Advanced Materials</i> , <b>2016</b> , 28, 4926-34	24	59
122	Flexible and Stretchable Perovskite Solar Cells: Device Design and Development Methods. <i>Small Methods</i> , <b>2018</b> , 2, 1800031	12.8	58
121	3D-patterned polymer brush surfaces. <i>Nanoscale</i> , <b>2011</b> , 3, 4929	7.7	56
120	Force- and time-dependent feature size and shape control in molecular printing via polymer-pen lithography. <i>Small</i> , <b>2010</b> , 6, 1082-6	11	56

119	In situ formation of highly active NiFe based oxygen-evolving electrocatalysts via simple reactive dip-coating. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 11009-11015	13	54
118	Phosphorus Incorporation into Co S Nanocages for Highly Efficient Oxygen Evolution Catalysis. <i>Small</i> , <b>2019</b> , 15, e1904507	11	51
117	Surface-grafted polymer-assisted electroless deposition of metals for flexible and stretchable electronics. <i>Chemistry - an Asian Journal</i> , <b>2012</b> , 7, 862-70	4.5	51
116	Rational Design of Binders for Stable Li-S and Na-S Batteries. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1907931	15.6	51
115	Flexible high energy density zinc-ion batteries enabled by binder-free MnO <sub>2</sub> /reduced graphene oxide electrode. <i>Npj Flexible Electronics</i> , <b>2018</b> , 2,	10.7	50
114	Bio-Inspired Chemical Fabrication of Stretchable Transparent Electrodes. <i>Small</i> , <b>2015</b> , 11, 3444-9	11	49
113	Programming nanostructures of polymer brushes by dip-pen nanodisplacement lithography (DNL). <i>Nanoscale</i> , <b>2010</b> , 2, 2614-8	7.7	49
112	Polyelectrolyte Brushes as Ink Nanoreservoirs for Microcontact Printing of Ionic Species with Poly(dimethyl siloxane) Stamps. <i>Advanced Functional Materials</i> , <b>2006</b> , 16, 1037-1042	15.6	49
111	500 Wh kg Class Li Metal Battery Enabled by a Self-Organized Core-Shell Composite Anode. <i>Advanced Materials</i> , <b>2020</b> , 32, e2004793	24	49
110	Massively parallel patterning of complex 2D and 3D functional polymer brushes by polymer pen lithography. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 11955-64	9.5	48
109	Topographically flat, chemically patterned PDMS stamps made by dip-pen nanolithography. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 9951-4	16.4	48
108	Evolution of Dip-Pen Nanolithography (DPN): From Molecular Patterning to Materials Discovery. <i>Chemical Reviews</i> , <b>2020</b> , 120, 6009-6047	68.1	46
107	Versatile biomimetic haze films for efficiency enhancement of photovoltaic devices. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 969-974	13	45
106	Arrays of nanoscale lenses for subwavelength optical lithography. <i>Nano Letters</i> , <b>2010</b> , 10, 4399-404	11.5	44
105	Development of Dip-Pen Nanolithography (DPN) and Its Derivatives. <i>Small</i> , <b>2019</b> , 15, e1900564	11	43
104	Fabrication of silk fibroin nanoparticles for controlled drug delivery. <i>Journal of Nanoparticle Research</i> , <b>2012</b> , 14, 1	2.3	43
103	Surface-Directed Phase Separation of Conjugated Polymer Blends for Efficient Light-Emitting Diodes. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 2897-2904	15.6	39
102	A Figure of Merit for Flexible Batteries. <i>Joule</i> , <b>2020</b> , 4, 1346-1349	27.8	37

101	Apertureless cantilever-free pen arrays for scanning photochemical printing. <i>Small</i> , <b>2015</b> , 11, 913-8	11	37
100	Generation of metal photomasks by dip-pen nanolithography. <i>Small</i> , <b>2009</b> , 5, 1850-3	11	37
99	Biomimicking Nano-Micro Binary Polymer Brushes for Smart Cell Orientation and Adhesion Control. <i>Small</i> , <b>2016</b> , 12, 3400-6	11	37
98	Polymer pen lithography using dual-elastomer tip arrays. <i>Small</i> , <b>2012</b> , 8, 2664-9	11	36
97	New Lithium Salt Forms Interphases Suppressing Both Li Dendrite and Polysulfide Shuttling. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1903937	21.8	35
96	Generation of Silk Fibroin Nanoparticles via Solution-Enhanced Dispersion by Supercritical CO <sub>2</sub> . <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 3752-3761	3.9	34
95	Fibrous Materials for Flexible LiB Battery. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2002580	21.8	34
94	Highly Breathable and Stretchable Strain Sensors with Insensitive Response to Pressure and Bending. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2007622	15.6	34
93	Two-dimensional hierarchically porous carbon nanosheets for flexible aqueous supercapacitors with high volumetric capacitance. <i>Nanoscale</i> , <b>2019</b> , 11, 11086-11092	7.7	33
92	Textile Composite Electrodes for Flexible Batteries and Supercapacitors: Opportunities and Challenges. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2002838	21.8	33
91	Additive Functionalization and Embroidery for Manufacturing Wearable and Washable Textile Supercapacitors. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1910541	15.6	32
90	Polymer nanostructures made by scanning probe lithography: recent progress in material applications. <i>Macromolecular Rapid Communications</i> , <b>2012</b> , 33, 359-73	4.8	32
89	Positionally defined, binary semiconductor nanoparticles synthesized by scanning probe block copolymer lithography. <i>Nano Letters</i> , <b>2012</b> , 12, 1022-5	11.5	32
88	Orthogonal photochemistry-assisted printing of 3D tough and stretchable conductive hydrogels. <i>Nature Communications</i> , <b>2021</b> , 12, 2082	17.4	32
87	Aqueous and air-compatible fabrication of high-performance conductive textiles. <i>Chemistry - an Asian Journal</i> , <b>2014</b> , 9, 2170-7	4.5	31
86	Soft Hybrid Scaffold (SHS) Strategy for Realization of Ultrahigh Energy Density of Wearable Aqueous Supercapacitors. <i>Advanced Materials</i> , <b>2020</b> , 32, e1907088	24	31
85	Pathways of Developing High-Energy-Density Flexible Lithium Batteries. <i>Advanced Materials</i> , <b>2021</b> , 33, e2004419	24	30
84	Multiplexed Protein Arrays Enabled by Polymer Pen Lithography: Addressing the Inking Challenge. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 7762-7765	3.6	29

83	Visible-light-assisted multimechanism design for one-step engineering tough hydrogels in seconds. <i>Nature Communications</i> , <b>2020</b> , 11, 4694	17.4	28
82	Freestanding Lamellar Porous Carbon Stacks for Low-Temperature-Foldable Supercapacitors. <i>Small</i> , <b>2019</b> , 15, e1902071	11	27
81	High-resolution, large-area, serial fabrication of 3D polymer brush structures by parallel dip-pen nanodisplacement lithography. <i>Small</i> , <b>2012</b> , 8, 3568-72	11	27
80	Polarization anisotropy dynamics for thin films of a conjugated polymer aligned by nanoimprinting. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	27
79	Bioinspired Microfluidic Device by Integrating a Porous Membrane and Heterostructured Nanoporous Particles for Biomolecule Cleaning. <i>ACS Nano</i> , <b>2019</b> , 13, 8374-8381	16.7	26
78	Binary oppositely charged polyelectrolyte brushes for highly selective electroless deposition of bimetallic patterns. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 492-495	5.1	26
77	Water-based phytic acid-crosslinked supramolecular binders for lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , <b>2020</b> , 395, 124981	14.7	25
76	Large-Area Patterning of Metal Nanostructures by Dip-Pen Nanodisplacement Lithography for Optical Applications. <i>Small</i> , <b>2017</b> , 13, 1702003	11	24
75	Strategies for high performance perovskite/crystalline silicon four-terminal tandem solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2018</b> , 179, 36-44	6.4	23
74	Water-borne foldable polymer solar cells: one-step transferring free-standing polymer films onto woven fabric electrodes. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 782-788	13	21
73	Simultaneous Surface Covalent Bonding and Radical Polymerization for Constructing Robust Soft Actuators with Fast Underwater Response. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 9504-9512	9.6	21
72	Fabrication of Asymmetric Tubular Hydrogels through Polymerization-Assisted Welding for Thermal Flow Actuated Artificial Muscles. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 4469-4478	9.6	21
71	Efficient Flexible Perovskite Solar Cells Using Low-Cost Cu Top and Bottom Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 26050-26059	9.5	20
70	Metal-Based Flexible Transparent Electrodes: Challenges and Recent Advances. <i>Advanced Electronic Materials</i> , <b>2021</b> , 7, 2001121	6.4	20
69	On-Tip Photo-Modulated Molecular Printing. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 12894-12898	16.4	19
68	Construction of 3D polymer brushes by dip-pen nanodisplacement lithography: understanding the molecular displacement for ultrafine and high-speed patterning. <i>Small</i> , <b>2015</b> , 11, 613-21	11	18
67	Permeable graphited hemp fabrics-based, wearing-comfortable pressure sensors for monitoring human activities. <i>Chemical Engineering Journal</i> , <b>2021</b> , 403, 126191	14.7	18
66	Polymer Brush Electrets. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 3239-3246	15.6	17



65	Reversible conversion of dominant polarity in ambipolar polymer/graphene oxide hybrids. <i>Scientific Reports</i> , <b>2015</b> , 5, 9446	4.9	15
64	Universal Nature-Inspired and Amine-Promoted Metallization for Flexible Electronics and Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 28963-28970	9.5	15
63	Monolithic hierarchical gold sponges for efficient and stable catalysis in a continuous-flow microreactor. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 482-486	7.8	15
62	Seeded Synthesis of Unconventional 2H-Phase Pd Alloy Nanomaterials for Highly Efficient Oxygen Reduction. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 17292-17299	16.4	15
61	Stretchable ITO-Free Organic Solar Cells with Intrinsic Anti-Reflection Substrate for High-Efficiency Outdoor and Indoor Energy Harvesting. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2010172	15.6	15
60	Scanning Nanowelding Lithography for Rewritable One-Step Patterning of Sub-50 nm High-Aspect-Ratio Metal Nanostructures. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801772	24	13
59	Liquid-mediated three-dimensional scanning probe nanosculpting. <i>Small</i> , <b>2013</b> , 9, 2851-6	11	13
58	Liquid-Metal-Superlyophilic and Conductivity-Strain-Enhancing Scaffold for Permeable Superelastic Conductors. <i>Advanced Functional Materials</i> , 2105587	15.6	13
57	A highly sensitive stretchable strain sensor based on multi-functionalized fabric for respiration monitoring and identification. <i>Chemical Engineering Journal</i> , <b>2021</b> , 426, 130869	14.7	13
56	Arbitrary and Parallel Nanofabrication of 3D Metal Structures with Polymer Brush Resists. <i>Small</i> , <b>2015</b> , 11, 6013-7	11	12
55	Permeable Conductors for Wearable and On-Skin Electronics. <i>Small Structures</i> , 2100135	8.7	12
54	Smoothing the Sodium-Metal Anode with a Self-Regulating Alloy Interface for High-Energy and Sustainable Sodium-Metal Batteries. <i>Advanced Materials</i> , <b>2021</b> , 33, e2102802	24	12
53	Transferable, transparent and functional polymer@graphene 2D objects. <i>NPG Asia Materials</i> , <b>2014</b> , 6, e130-e130	10.3	11
52	Size-tunable, highly sensitive microelectrode arrays enabled by polymer pen lithography. <i>Soft Matter</i> , <b>2017</b> , 13, 3685-3689	3.6	10
51	Fabrication of Arbitrary Three-Dimensional Polymer Structures by Rational Control of the Spacing between Nanobrushes. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 6636-6640	3.6	10
50	Realizing High-Energy and Stable Wire-Type Batteries with Flexible Lithium-Metal Composite Yarns. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2101809	21.8	10
49	Improved air-stability of an organic-inorganic perovskite with anhydrously transferred graphene. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 8663-8669	7.1	9
48	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> , <b>2013</b> , 3, 341-344	3.7	9



47	Functionalized Fiber-Based Strain Sensors: Pathway to Next-Generation Wearable Electronics.. <i>Nano-Micro Letters</i> , <b>2022</b> , 14, 61	19.5	9
46	Interfacial engineering of printable bottom back metal electrodes for full-solution processed flexible organic solar cells. <i>Journal of Semiconductors</i> , <b>2018</b> , 39, 014002	2.3	8
45	Topographically Flat, Chemically Patterned PDMS Stamps Made by Dip-Pen Nanolithography. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 10099-10102	3.6	7
44	Dynamic cross-linking of an alginate-acrylamide tough hydrogel system: time-resolved mapping of gel self-assembly.. <i>RSC Advances</i> , <b>2021</b> , 11, 10710-10726	3.7	7
43	Vacuum-free fabrication of high-performance semitransparent perovskite solar cells via e-glue assisted lamination process. <i>Science China Chemistry</i> , <b>2019</b> , 62, 875-882	7.9	6
42	Boosting the Energy Density of Flexible Asymmetric Supercapacitor with Three Dimensional Fe <sub>2</sub> O <sub>3</sub> Composite Brush Anode. <i>Chemical Research in Chinese Universities</i> , <b>2020</b> , 36, 97-104	2.2	6
41	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> , <b>2020</b> , 599, 124753	5.1	6
40	Rational Design of Li-Wicking Hosts for Ultrafast Fabrication of Flexible and Stable Lithium Metal Anodes. <i>Small</i> , <b>2021</b> , e2105308	11	6
39	The Development of Pad-Dry-Cure Compatible Method for Preparing Electrically Conductive Copper Coated Cotton Woven Fabrics. <i>Journal of Fiber Bioengineering and Informatics</i> , <b>2013</b> , 6, 117-128	2	6
38	Low-Temperature-Deposited TiO <sub>2</sub> Nanopillars for Efficient and Flexible Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2001512	4.6	6
37	Enabling high-energy flexible solid-state lithium ion batteries at room temperature. <i>Chemical Engineering Journal</i> , <b>2021</b> , 424, 130335	14.7	6
36	Facile Fabrication of Highly Uniform Tellurium Nanorods for Self-Powered Flexible Optoelectronics. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 2000240	6.4	5
35	Transfer Printing Water-Soluble Inorganic Salts. <i>Advanced Functional Materials</i> , <b>2006</b> , 16, 805-811	15.6	5
34	Solution process formation of high performance, stable nanostructured transparent metal electrodes via displacement-diffusion-etch process. <i>Npj Flexible Electronics</i> , <b>2022</b> , 6,	10.7	5
33	Bioinspired Hierarchical Structures for Contact-Sensible Adhesives. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2109076	17.6	5
32	Flexible Photodetectors Based on All-Solution-Processed Cu Electrodes and InSe Nanoflakes with High Stabilities. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2108261	15.6	5
31	Pathways of Developing High-Energy-Density Flexible Lithium Batteries (Adv. Mater. 46/2021). <i>Advanced Materials</i> , <b>2021</b> , 33, 2170363	24	5
30	Hollow multishelled structural NiO as a shelter for high-performance LiB batteries. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 2971-2975	7.8	5

29	Titanium Nanopillar Arrays Functioning as Electron Transporting Layers for Efficient, Anti-Aging Perovskite Solar Cells. <i>Small</i> , <b>2021</b> , 17, e2004778	11	5
28	2D metal patterns transformed from 3D printed stamps for flexible Zn//MnO <sub>2</sub> in-plane micro-batteries. <i>Chemical Engineering Journal</i> , <b>2022</b> , 429, 132196	14.7	5
27	Binary polymer brush patterns from facile initiator stickiness for cell culturing. <i>Faraday Discussions</i> , <b>2019</b> , 219, 189-202	3.6	4
26	Prediction of adhesion between randomly rough surfaces by order statistics. <i>Applied Physics Letters</i> , <b>2021</b> , 119, 071603	3.4	4
25	Highly conductive templated-graphene fabrics for lightweight, flexible and foldable supercapacitors. <i>Materials Research Express</i> , <b>2017</b> , 4, 075602	1.7	3
24	Polymerization induced phase separation as a generalized methodology for multi-layered hydrogel tubes. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 3505-3511	7.3	3
23	Anisotropic Hydrogels with High Mechanical Strength by Stretching-Induced Oriented Crystallization and Drying. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 2142-2150	4.3	3
22	Visible-Light Photolabile, Charge-Convertible Poly(ionic liquid) for Light-degradable Films and Carbon-Based Electronics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 23431-6	9.5	3
21	Inverse Opaline Metallic Membrane Addresses the Tradeoff Between Volumetric Capacitance and Areal Capacitance of Supercapacitor. <i>Advanced Energy Materials</i> , 2102802	21.8	3
20	Crumpled, high-power, and safe wearable Lithium-Ion Battery enabled by nanostructured metallic textiles. <i>Fundamental Research</i> , <b>2021</b> , 1, 399-407		3
19	Polymer-Assisted Metallization of Mammalian Cells. <i>Advanced Materials</i> , <b>2021</b> , 33, e2102348	24	3
18	Interfacial design of thick sulfur cathodes to achieve high energy density and stability. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 17129-17142	13	3
17	Textile-Based Electronics <b>2020</b> , 721-748		2
16	Printed light-trapping nanorelief Cu electrodes for full-solution-processed flexible organic solar cells. <i>Materials Research Express</i> , <b>2016</b> , 3, 074006	1.7	2
15	3D Dip-Pen Nanolithography. <i>Advanced Materials Technologies</i> , 2101493	6.8	2
14	Inverted Anode Structure for Long-Life Lithium Metal Batteries. <i>Advanced Energy Materials</i> , 2200584	21.8	2
13	Supramolecular-mediated ball-in-ball porous carbon nanospheres for ultrafast energy storage. <i>Information Materials</i> , <b>2022</b> , 4,	23.1	2
12	Polymer Brushes: Liquid-Mediated Three-Dimensional Scanning Probe Nanosculpting (Small 17/2013). <i>Small</i> , <b>2013</b> , 9, 2850-2850	11	1

11	Nanocarbon Materials Toward Textile-Based Electrochemical Energy Storage Devices <b>2020</b> , 123-143		1
10	Li <sup>+</sup> Batteries: Fibrous Materials for Flexible Li <sup>+</sup> Battery (Adv. Energy Mater. 15/2021). <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2170058	21.8	1
9	Smart materials and devices for electronic textiles. <i>MRS Bulletin</i> , <b>2021</b> , 46, 488-490	3.2	1
8	Sensitive, High-Speed, and Broadband Perovskite Photodetectors with Built-In TiO Metalenses. <i>Small</i> , <b>2021</b> , 17, e2102694	11	1
7	Au-coated carbon fabric as Janus current collector for dendrite-free flexible lithium metal anode and battery. <i>Applied Physics Reviews</i> , <b>2022</b> , 9, 011424	17.3	1
6	Salt-assisted 2H-to-1T' Phase Transformation of Transition Metal Dichalcogenides.. <i>Advanced Materials</i> , <b>2022</b> , e2201194	24	1
5	Subnanometer MoP clusters confined in mesoporous carbon (CMK-3) as superior electrocatalytic sulfur hosts for high-performance lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , <b>2022</b> , 446, 137050	14.7	1
4	Polymer Brushes as Interfacial Materials for Soft Metal Conductors and Electronics <b>2017</b> , 709-734		
3	On-Tip Photo-Modulated Molecular Printing. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 13086-13091	3.6	
2	New directions in surface functionalization and characterization: general discussion. <i>Faraday Discussions</i> , <b>2019</b> , 219, 252-261	3.6	
1	Textile Composite Electrodes: Textile Composite Electrodes for Flexible Batteries and Supercapacitors: Opportunities and Challenges (Adv. Energy Mater. 3/2021). <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2170012	21.8	