

# Chengyi Hou

## List of Publications by Year in Descending Order

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**Version:** 2024-04-26

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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.

156  
papers

4,661  
citations

40  
h-index

63  
g-index

164  
ext. papers

5,974  
ext. citations

10.1  
avg, IF

6.07  
L-index

#	Paper	IF	Citations
156	Highly integrated fiber-shaped thermoelectric generators with radially heterogeneous interlayers. <i>Nano Energy</i> , <b>2022</b> , 95, 107055	17.1	2
155	Water-resistant and underwater adhesive ion-conducting gel for motion-robust bioelectric monitoring. <i>Chemical Engineering Journal</i> , <b>2022</b> , 431, 134012	14.7	6
154	Electrochemical Actuators with Multicolor Changes and Multidirectional Actuation.. <i>Small</i> , <b>2022</b> , e2107778	17.1	3
153	A portable ascorbic acid in sweat analysis system based on highly crystalline conductive nickel-based metal-organic framework (Ni-MOF).. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 616, 326-337	9.3	5
152	Ultra-stable ionic-liquid-based electrochromism enabled by metal-organic frameworks. <i>Cell Reports Physical Science</i> , <b>2022</b> , 100866	6.1	2
151	Flexible and high-performance electrochromic devices enabled by self-assembled 2D TiO/MXene heterostructures. <i>Nature Communications</i> , <b>2021</b> , 12, 1587	17.4	44
150	Wicking-Polarization-Induced Water Cluster Size Effect on Triboelectric Evaporation Textiles. <i>Advanced Materials</i> , <b>2021</b> , 33, e2007352	24	21
149	Thermal-assisted brush printing of water-based In-Ga-Zn oxide transistors. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 862, 158001	5.7	1
148	Abrasion Resistant/Waterproof Stretchable Triboelectric Yarns Based on Fermat Spirals. <i>Advanced Materials</i> , <b>2021</b> , 33, e2100782	24	20
147	A bio-adhesive ion-conducting organohydrogel as a high-performance non-invasive interface for bioelectronics. <i>Chemical Engineering Journal</i> , <b>2021</b> , 427, 130886	14.7	4
146	NiCoNiCoO <sub>2</sub> /carbon hollow nanocages for non-enzyme glucose detection. <i>Electrochimica Acta</i> , <b>2021</b> , 381, 138259	6.7	4
145	Dielectrophoretic Assembly of Carbon Nanotube Chains in Aqueous Solution. <i>Advanced Fiber Materials</i> , <b>2021</b> , 3, 312	10.9	0
144	Integrated Ionic-Additive Assisted Wet-Spinning of Highly Conductive and Stretchable PEDOT:PSS Fiber for Fibrous Organic Electrochemical Transistors. <i>Advanced Electronic Materials</i> , <b>2021</b> , 7, 2100231	6.4	3
143	Hierarchical Composite-Solid-Electrolyte with High Electrochemical Stability and Interfacial Regulation for Boosting Ultra-Stable Lithium Batteries. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2006381	15.6	24
142	One step synthesis of self-doped Fe <sub>3</sub> O <sub>4</sub> nanoshuttles photocatalyst and enhanced photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 3996-4006	6.7	11
141	Tuning the reactivity of PbI <sub>2</sub> film via monolayer Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene for two-step-processed CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> solar cells. <i>Chemical Engineering Journal</i> , <b>2021</b> , 417, 127912	14.7	12
140	A highly integrated sensing paper for wearable electrochemical sweat analysis. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 174, 112828	11.8	35

139	Mechanical design of brush coating technology for the alignment of one-dimension nanomaterials. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 583, 188-195	9.3	5
138	Scalable fluid-spinning nanowire-based inorganic semiconductor yarns for electrochromic actuators. <i>Materials Horizons</i> , <b>2021</b> , 8, 1711-1721	14.4	7
137	Ultra-stretchable, self-adhesive, transparent, and ionic conductive organohydrogel for flexible sensor. <i>APL Materials</i> , <b>2021</b> , 9, 011101	5.7	9
136	Multi-functional Electrochromic Devices: Integration Strategies Based on Multiple and Single Devices. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , <b>2021</b> , 36, 115	1	1
135	Independent dual-responsive Janus chromic fibers. <i>Science China Materials</i> , <b>2021</b> , 64, 1770-1779	7.1	3
134	High power factor n-type Ag <sub>2</sub> Se/SWCNTs hybrid film for flexible thermoelectric generator. <i>Journal Physics D: Applied Physics</i> , <b>2021</b> , 54, 434004	3	1
133	Self-Powered Interactive Fiber Electronics with Visual-Digital Synergies. <i>Advanced Materials</i> , <b>2021</b> , 33, e2104681	24	13
132	Core-shell structured SiO@ZrO@SiO filler for radiopacity and ultra-low shrinkage dental composite resins. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2021</b> , 121, 104593	4.1	4
131	Continuous preparation of dual-responsive sensing fibers for smart textiles. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 597, 215-222	9.3	1
130	Bistable dielectric elastomer actuator with directional motion. <i>Sensors and Actuators A: Physical</i> , <b>2021</b> , 330, 112889	3.9	1
129	From carbon nanotubes to highly adaptive and flexible high-performance thermoelectric generators. <i>Nano Energy</i> , <b>2021</b> , 89, 106487	17.1	5
128	High performance stretchable fibrous supercapacitors and flexible strain sensors based on CNTs/MXene-TPU hybrid fibers. <i>Electrochimica Acta</i> , <b>2021</b> , 395, 139141	6.7	10
127	High Volumetric Energy Density Asymmetric Fibrous Supercapacitors with Coaxial Structure Based on Graphene/MnO <sub>2</sub> Hybrid Fibers. <i>ChemElectroChem</i> , <b>2020</b> , 7, 4641-4648	4.3	5
126	Continuously Processed, Long Electrochromic Fibers with Multi-Environmental Stability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 28451-28460	9.5	19
125	Skeleton-Structure WS@CNT Thin-Film Hybrid Electrodes for High-Performance Quasi-Solid-State Flexible Supercapacitors. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 442	5	10
124	Textile Triboelectric Nanogenerators for Energy Harvesting <b>2020</b> , 67-86		3
123	Piezoelectric Materials and Devices Based Flexible Bio-integrated Electronics <b>2020</b> , 237-251		0
122	Materials and Processes for Stretchable and Wearable e-Textile Devices <b>2020</b> , 305-334		1

121	Wearable Organic Nano-sensors <b>2020</b> , 1-27		4
120	Flexible and Printed Electronics for Smart Clothes <b>2020</b> , 253-284		2
119	Flexible and Wearable Electronics <b>2020</b> , 285-303		3
118	Stimuli-Responsive Electronic Skins <b>2020</b> , 29-48		1
117	Flexible and Wearable Lithium-Ion Batteries <b>2020</b> , 131-162		2
116	Thermal and Humidity Management for Next-Generation Textiles <b>2020</b> , 163-181		
115	Cobalt nitride nanoparticle coated hollow carbon spheres with nitrogen vacancies as an electrocatalyst for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 14498-14505	13	33
114	Facilitating Interfacial Stability Via Bilayer Heterostructure Solid Electrolyte Toward High-energy, Safe and Adaptable Lithium Batteries. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2000709	21.8	28
113	Highly Integrable Thermoelectric Fiber. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 33297-33304	9.5	26
112	Flexible 3D Porous MoS <sub>2</sub> /CNTs Architectures with ZT of 0.17 at Room Temperature for Wearable Thermoelectric Applications. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002508	15.6	15
111	Flexible Microfluidics for Wearable Electronics <b>2020</b> , 213-235		2
110	Flexible Thermoelectrics and Thermoelectric Textiles <b>2020</b> , 49-66		3
109	Flexible and Wearable Solar Cells and Supercapacitors <b>2020</b> , 87-129		3
108	Functionalization of Fiber Materials for Washable Smart Wearable Textiles <b>2020</b> , 183-212		
107	A kirigami-inspired island-chain design for wearable moistureproof perovskite solar cells with high stretchability and performance stability. <i>Nanoscale</i> , <b>2020</b> , 12, 3646-3656	7.7	16
106	Facile synthesis of 3D hierarchical micro-/nanostructures in capillaries for efficient capture of circulating tumor cells. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 575, 108-118	9.3	4
105	Hydrogel-based hierarchically wrinkled stretchable nanofibrous membrane for high performance wearable triboelectric nanogenerator. <i>Nano Energy</i> , <b>2020</b> , 67, 104206	17.1	52
104	Ti <sub>3</sub> C <sub>2</sub> MXene-derived carbon-doped TiO <sub>2</sub> coupled with g-C <sub>3</sub> N <sub>4</sub> as the visible-light photocatalysts for photocatalytic H <sub>2</sub> generation. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 265, 118539	21.8	113

103	Controllable (Ga <sub>1-x</sub> Zn <sub>x</sub> )(N <sub>1-x</sub> O <sub>x</sub> ) nanorods grown on black silicon as anodes for water splitting. <i>Applied Surface Science</i> , <b>2020</b> , 502, 144174	6.7	5
102	A self-healing, Na <sup>+</sup> sensitive and neuron-compatible fiber. <i>Chemical Engineering Journal</i> , <b>2020</b> , 386, 1240187	10.7	1
101	Additional-Heating-Enhanced Large-Scale Metallic Molybdenum Disulfide Nanosheet Exfoliation for Free-Standing Films and Flexible High-Performance Supercapacitors. <i>ChemNanoMat</i> , <b>2020</b> , 6, 267-273	3.5	3
100	Capillary force driven printing of asymmetric Na-ion micro-supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 22083-22089	13	4
99	Carbon-based thin-film actuator with 1D to 2D transitional structure applied in smart clothing. <i>Carbon</i> , <b>2020</b> , 168, 546-552	10.4	2
98	Thermochromic Hydrogel-Functionalized Textiles for Synchronous Visual Monitoring of On-Demand Drug Release. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 51225-51235	9.5	18
97	Stretchable electrothermochromic fibers based on hierarchical porous structures with electrically conductive dual-pathways. <i>Science China Materials</i> , <b>2020</b> , 63, 2582-2589	7.1	5
96	Composite Solid Electrolytes: Facilitating Interfacial Stability Via Bilayer Heterostructure Solid Electrolyte Toward High-energy, Safe and Adaptable Lithium Batteries (Adv. Energy Mater. 31/2020). <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2070131	21.8	11
95	Metal-Organic Framework-Derived Nickel/Cobalt-Based Nanohybrids for Sensing Non-Enzymatic Glucose. <i>ChemElectroChem</i> , <b>2020</b> , 7, 4446-4452	4.3	13
94	Transparent Metal-Organic Framework-Based Gel Electrolytes for Generalized Assembly of Quasi-Solid-State Electrochromic Devices. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 42955-42961	9.5	12
93	MXene-Coated Air-Permeable Pressure-Sensing Fabric for Smart Wear. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 46446-46454	9.5	42
92	Size-Dependent and Self-Catalytic Gold@Prussian Blue Nanoparticles for the Electrochemical Detection of Hydrogen Peroxide. <i>ChemElectroChem</i> , <b>2020</b> , 7, 3818-3823	4.3	5
91	Stable Hydrogel Electrolytes for Flexible and Submarine-Use Zn-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 46005-46014	9.5	29
90	Highly fluorinated polyimide gate dielectric for fully transparent aqueous precursor derived In <sub>2</sub> O <sub>3</sub> oxide thin-film transistors. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 15919-15929	4.3	2
89	Microfluidic spinning of editable polychromatic fibers. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 558, 115-122	9.3	12
88	Highly efficient flexible perovskite solar cells made via ultrasonic vibration assisted room temperature cold sintering. <i>Chemical Engineering Journal</i> , <b>2020</b> , 394, 124887	14.7	14
87	Reduced graphene oxide-coated microfibers for oil/water separation. <i>Environmental Science: Nano</i> , <b>2019</b> , 6, 3215-3224	7.1	7
86	Regulation of carbon content in MOF-derived hierarchical-porous NiO@C films for high-performance electrochromism. <i>Materials Horizons</i> , <b>2019</b> , 6, 571-579	14.4	49

85	1T-Molybdenum disulfide/reduced graphene oxide hybrid fibers as high strength fibrous electrodes for wearable energy storage. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 3143-3149	13	30
84	ZnS@CdS@TiO <sub>2</sub> nanocomposites with enhanced stability and photocatalytic hydrogen evolution activity. <i>Journal of Sol-Gel Science and Technology</i> , <b>2019</b> , 91, 82-91	2.3	10
83	Three-Dimensional Hierarchically Porous Graphene Fiber-Shaped Supercapacitors with High Specific Capacitance and Rate Capability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 25205-25217	9.5	30
82	A highly ionic conductive poly(methyl methacrylate) composite electrolyte with garnet-typed Li <sub>6</sub> .75La <sub>3</sub> Zr <sub>1.75</sub> Nb <sub>0.25</sub> O <sub>12</sub> nanowires. <i>Chemical Engineering Journal</i> , <b>2019</b> , 375, 121922	14.7	32
81	Controlling the transformation of intermediate phase under near-room temperature for improving the performance of perovskite solar cells. <i>Solar Energy</i> , <b>2019</b> , 186, 225-232	6.8	7
80	High-Performance Flexible Thermoelectric Devices Based on All-Inorganic Hybrid Films for Harvesting Low-Grade Heat. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1900304	15.6	66
79	Oriented attachment growth of monocrystalline cuprous oxide nanowires in pure water. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 2174-2179	5.1	1
78	Solvatochromic structural color fabrics with favorable wearability properties. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 4855-4862	7.1	6
77	Light-driven artificial muscles based on electrospun microfiber yarns. <i>Science China Technological Sciences</i> , <b>2019</b> , 62, 965-970	3.5	7
76	Highly Aligned Molybdenum Trioxide Nanobelts for Flexible Thin-Film Transistors and Supercapacitors: Macroscopic Assembly and Anisotropic Electrical Properties. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 1466-1471	5.6	10
75	Poly-ε-caprolactone nanofibrous mats as electrolyte host for tailorable flexible electrochromic devices. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2019</b> , 241, 36-41	3.1	3
74	Cladding nanostructured AgNWs-MoS <sub>2</sub> electrode material for high-rate and long-life transparent in-plane micro-supercapacitor. <i>Energy Storage Materials</i> , <b>2019</b> , 16, 212-219	19.4	72
73	Research on Flexible GaInP/GaInAs/Ge/Bi <sub>2</sub> Te <sub>3</sub> /Sb <sub>2</sub> Te <sub>3</sub> PV-TE Integrated Systems. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , <b>2019</b> , 34, 781-786	1	2
72	Advanced Functional Fiber and Smart Textile. <i>Advanced Fiber Materials</i> , <b>2019</b> , 1, 3-31	10.9	87
71	Infrared-Radiation-Enhanced Nanofiber Membrane for Sky Radiative Cooling of the Human Body. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 44673-44681	9.5	37
70	Sheath-run artificial muscles. <i>Science</i> , <b>2019</b> , 365, 150-155	33.3	120
69	Continuous and scalable manufacture of amphibious energy yarns and textiles. <i>Nature Communications</i> , <b>2019</b> , 10, 868	17.4	75
68	Highly efficient walking perovskite solar cells based on thermomechanical polymer films. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 26154-26161	13	10

67	All-fiber tribo-ferroelectric synergistic electronics with high thermal-moisture stability and comfortability. <i>Nature Communications</i> , <b>2019</b> , 10, 5541	17.4	61
66	Nanoporous hybrid CuO/ZnO/carbon papers used as ultrasensitive non-enzymatic electrochemical sensors.. <i>RSC Advances</i> , <b>2019</b> , 9, 41886-41892	3.7	6
65	A noise-reduced broad-spectrum photodetector based on reagent-free electrophoretic assembled flexible ZnO/rGO films. <i>Applied Surface Science</i> , <b>2019</b> , 469, 113-117	6.7	8
64	Flexible photodetector based on cotton coated with reduced graphene oxide and sulfur and nitrogen co-doped graphene quantum dots. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 3242-3251	4.3	9
63	Ni-Mo nanoparticles as co-catalyst for drastically enhanced photocatalytic hydrogen production activity over g-C3N4. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 243, 136-144	21.8	74
62	Reinforced heat dissipation by simple graphene coating for phosphor-in-glass applied in high-power LED. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 774, 954-961	5.7	13
61	Dual-Mechanism and Multimotion Soft Actuators Based on Commercial Plastic Film. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 15122-15128	9.5	41
60	WO3/g-C3N4 two-dimensional composites for visible-light driven photocatalytic hydrogen production. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 4845-4855	6.7	64
59	Molecular-channel driven actuator with considerations for multiple configurations and color switching. <i>Nature Communications</i> , <b>2018</b> , 9, 590	17.4	108
58	Ion-Transport Design for High-Performance Na-Based Electrochromics. <i>ACS Nano</i> , <b>2018</b> , 12, 3759-3768	16.7	83
57	An ordered electrospun polycaprolactone/collagen/filk fibroin scaffold for hepatocyte culture. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 1623-1633	4.3	7
56	Regulation of precursor solution concentration for In-Zn oxide thin film transistors. <i>Current Applied Physics</i> , <b>2018</b> , 18, 1300-1305	2.6	1
55	Enhanced immunofluorescence detection of a protein marker using a PAA modified ZnO nanorod array-based microfluidic device. <i>Nanoscale</i> , <b>2018</b> , 10, 17663-17670	7.7	19
54	MoS2/C/C nanofiber with double-layer carbon coating for high cycling stability and rate capability in lithium-ion batteries. <i>Nano Research</i> , <b>2018</b> , 11, 5866-5878	10	34
53	Lattice-contraction triggered synchronous electrochromic actuator. <i>Nature Communications</i> , <b>2018</b> , 9, 4798	17.4	52
52	Antisolvent-Derived Intermediate Phases for Low-Temperature Flexible Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 6477-6486	6.1	13
51	Wearable Thermoelectric Devices Based on Au-Decorated Two-Dimensional MoS. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 33316-33321	9.5	32
50	Engineering two-dimensional layered nanomaterials for wearable biomedical sensors and power devices. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 1944-1986	7.8	42

49	Interlocked graphene-Prussian blue hybrid composites enable multifunctional electrochemical applications. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 89, 570-577	11.8	55
48	Reagent-Free Electrophoretic Synthesis of Few-Atom-Thick Metal Oxide Nanosheets. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 1439-1446	9.6	12
47	Ultralight, Flexible, and Semi-Transparent Metal Oxide Papers for Photoelectrochemical Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 3922-3930	9.5	15
46	Graphene directed architecture of fine engineered nanostructures with electrochemical applications. <i>Electrochimica Acta</i> , <b>2017</b> , 242, 202-218	6.7	20
45	Metal-Organic Framework Derived Iron Sulfide-Carbon Core-Shell Nanorods as a Conversion-Type Battery Material. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 5039-5048	8.3	64
44	S, N Co-Doped Graphene Quantum Dot/TiO <sub>2</sub> Composites for Efficient Photocatalytic Hydrogen Generation. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 400	5	68
43	Calligraphy-inspired brush written foldable supercapacitors. <i>Nano Energy</i> , <b>2017</b> , 38, 428-437	17.1	21
42	Solution-Processed Porous Tungsten Molybdenum Oxide Electrodes for Energy Storage Smart Windows. <i>Advanced Materials Technologies</i> , <b>2017</b> , 2, 1700047	6.8	32
41	A remote controllable fiber-type near-infrared light-responsive actuator. <i>Chemical Communications</i> , <b>2017</b> , 53, 11118-11121	5.8	36
40	A strong and flexible electronic vessel for real-time monitoring of temperature, motions and flow. <i>Nanoscale</i> , <b>2017</b> , 9, 17821-17828	7.7	12
39	Ultrathin, Washable, and Large-Area Graphene Papers for Personal Thermal Management. <i>Small</i> , <b>2017</b> , 13, 1702645	11	98
38	Graphene-Paper Based Electrochemical Sensors <b>2017</b> ,		1
37	Versatile mechanically strong and highly conductive chemically converted graphene aerogels. <i>Carbon</i> , <b>2017</b> , 125, 352-359	10.4	28
36	A flexible metallic actuator using reduced graphene oxide as a multifunctional component. <i>Nanoscale</i> , <b>2017</b> , 9, 12963-12968	7.7	17
35	A wearable, fibroid, self-powered active kinematic sensor based on stretchable sheath-core structural triboelectric fibers. <i>Nano Energy</i> , <b>2017</b> , 39, 673-683	17.1	53
34	Graphene papers: smart architecture and specific functionalization for biomimetics, electrocatalytic sensing and energy storage. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 37-60	7.8	65
33	Reduced graphene oxide functionalized stretchable and multicolor electrothermal chromatic fibers. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 11448-11453	7.1	31
32	Prepolymerization-assisted fabrication of an ultrathin immobilized layer to realize a semi-embedded wrinkled AgNW network for a smart electrothermal chromatic display and actuator. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 9778-9785	7.1	34



31	An Elastic Transparent Conductor Based on Hierarchically Wrinkled Reduced Graphene Oxide for Artificial Muscles and Sensors. <i>Advanced Materials</i> , <b>2016</b> , 28, 9491-9497	24	121
30	Reagent-Free Synthesis and Plasmonic Antioxidation of Unique Nanostructured Metal-Metal Oxide Core-Shell Microfibers. <i>Advanced Materials</i> , <b>2016</b> , 28, 4097-104	24	20
29	An electrically controllable all-solid-state Au@graphene oxide actuator. <i>Chemical Communications</i> , <b>2016</b> , 52, 5816-9	5.8	7
28	Free-standing and flexible graphene papers as disposable non-enzymatic electrochemical sensors. <i>Bioelectrochemistry</i> , <b>2016</b> , 109, 87-94	5.6	57
27	Fluoroalkylsilane-Modified Textile-Based Personal Energy Management Device for Multifunctional Wearable Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 4676-83	9.5	95
26	Constructing three-dimensional quasi-vertical nanosheet architectures from self-assemble two-dimensional WO <sub>3</sub> /H <sub>2</sub> O for efficient electrochromic devices. <i>Applied Surface Science</i> , <b>2016</b> , 380, 281-287	6.7	35
25	In-situ construction of three-dimensional titania network on Ti foil toward enhanced performance of flexible dye-sensitized solar cells. <i>Applied Surface Science</i> , <b>2016</b> , 380, 210-217	6.7	15
24	Flexible and thermostable thermoelectric devices based on large-area and porous all-graphene films. <i>Carbon</i> , <b>2016</b> , 107, 146-153	10.4	33
23	Polyacrylonitrile Fibers Anchored Cobalt/Graphene Sheet Nanocomposite: A Low-Cost, High-Performance and Reusable Catalyst for Hydrogen Generation. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2016</b> , 16, 5627-32	1.3	0
22	Ultralong ZnO/Pt hierarchical structures for continuous-flow catalytic reactions. <i>Materials and Design</i> , <b>2016</b> , 109, 492-502	8.1	10
21	Rapid formation of superelastic 3D reduced graphene oxide networks with simultaneous removal of HI utilizing NIR irradiation. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 9882-9889	13	12
20	A multi-responsive water-driven actuator with instant and powerful performance for versatile applications. <i>Scientific Reports</i> , <b>2015</b> , 5, 9503	4.9	75
19	Graphene-carbon nanotube papers for energy conversion and storage under sunlight and heat. <i>Carbon</i> , <b>2015</b> , 95, 150-156	10.4	16
18	Origami-inspired active graphene-based paper for programmable instant self-folding walking devices. <i>Science Advances</i> , <b>2015</b> , 1, e1500533	14.3	260
17	High-performance all-solid-state yarn supercapacitors based on porous graphene ribbons. <i>Nano Energy</i> , <b>2015</b> , 12, 26-32	17.1	92
16	Highly strong and elastic graphene fibres prepared from universal graphene oxide precursors. <i>Scientific Reports</i> , <b>2014</b> , 4, 4248	4.9	47
15	Highly conductive, flexible, and compressible all-graphene passive electronic skin for sensing human touch. <i>Advanced Materials</i> , <b>2014</b> , 26, 5018-24	24	231
14	Environment-sensitive carbon nanotube/polymer composite microhydrogels synthesized via a microfluidic reactor. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 2422-2426	2.9	6

13	Facile synthesis of water-dispersible Cu <sub>2</sub> O nanocrystal-reduced graphene oxide hybrid as a promising cancer therapeutic agent. <i>Nanoscale</i> , <b>2013</b> , 5, 1227-32	7.7	48
12	Room-temperature synthesis of 3-dimensional Ag-graphene hybrid hydrogel with promising electrochemical properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2013</b> , 178, 769-774	3.1	20
11	A strong and stretchable self-healing film with self-activated pressure sensitivity for potential artificial skin applications. <i>Scientific Reports</i> , <b>2013</b> , 3, 3138	4.9	98
10	P25-graphene hydrogels: room-temperature synthesis and application for removal of methylene blue from aqueous solution. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 205-206, 229-35	12.8	160
9	One-step synthesis of Co/Ni ferrite/graphene nanocomposites with controllable magnetic and electrical properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2012</b> , 177, 1067-1072	3.1	24
8	Graphene sheets/cobalt nanocomposites as low-cost/high-performance catalysts for hydrogen generation. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 135, 826-831	4.4	47
7	Bio-applicable and electroactive near-infrared laser-triggered self-healing hydrogels based on graphene networks. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 14991		67
6	Graphene/polymer hydrogels with stimulus-sensitive volume changes. <i>Carbon</i> , <b>2012</b> , 50, 1959-1965	10.4	74
5	Functionalization of PNIPAAm microgels using magnetic graphene and their application in microreactors as switch materials. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 10512		23
4	One-step synthesis of magnetically-functionalized reduced graphite sheets and their use in hydrogels. <i>Carbon</i> , <b>2011</b> , 49, 47-53	10.4	98
3	Preparation and magnetic property analysis of monodisperse Co <sub>2</sub> N ferrite nanospheres. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 491, 431-435	5.7	72
2	High-Performance Ionic Thermoelectric Supercapacitor for Integrated Energy Conversion-Storage. <i>Energy and Environmental Materials</i> ,	13	4
1	Synergistic Solvation and Interface Regulations of Eco-Friendly Silk Peptide Additive Enabling Stable Aqueous Zinc-Ion Batteries. <i>Advanced Functional Materials</i> , 2112693	15.6	11