Chengyi Hou

List of Publications by Citations

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	Origami-inspired active graphene-based paper for programmable instant self-folding walking devices. *Science Advances*, **2015**, 1, e1500533	14.3	260
155	Highly conductive, flexible, and compressible all-graphene passive electronic skin for sensing human touch. *Advanced Materials*, **2014**, 26, 5018-24	24	231
154	P25-graphene hydrogels: room-temperature synthesis and application for removal of methylene blue from aqueous solution. *Journal of Hazardous Materials*, **2012**, 205-206, 229-35	12.8	160
153	An Elastic Transparent Conductor Based on Hierarchically Wrinkled Reduced Graphene Oxide for Artificial Muscles and Sensors. *Advanced Materials*, **2016**, 28, 9491-9497	24	121
152	Sheath-run artificial muscles. *Science*, **2019**, 365, 150-155	33.3	120
151	Ti3C2 MXene-derived carbon-doped TiO2 coupled with g-C3N4 as the visible-light photocatalysts for photocatalytic H2 generation. *Applied Catalysis B: Environmental*, **2020**, 265, 118539	21.8	113
150	Molecular-channel driven actuator with considerations for multiple configurations and color switching. *Nature Communications*, **2018**, 9, 590	17.4	108
149	Ultrathin, Washable, and Large-Area Graphene Papers for Personal Thermal Management. *Small*, **2017**, 13, 1702645	11	98
148	A strong and stretchable self-healing film with self-activated pressure sensitivity for potential artificial skin applications. *Scientific Reports*, **2013**, 3, 3138	4.9	98
147	One-step synthesis of magnetically-functionalized reduced graphite sheets and their use in hydrogels. *Carbon*, **2011**, 49, 47-53	10.4	98
146	Fluoroalkylsilane-Modified Textile-Based Personal Energy Management Device for Multifunctional Wearable Applications. *ACS Applied Materials & Interfaces*, **2016**, 8, 4676-83	9.5	95
145	High-performance all-solid-state yarn supercapacitors based on porous graphene ribbons. *Nano Energy*, **2015**, 12, 26-32	17.1	92
144	Advanced Functional Fiber and Smart Textile. *Advanced Fiber Materials*, **2019**, 1, 3-31	10.9	87
143	Ion-Transport Design for High-Performance Na-Based Electrochromics. *ACS Nano*, **2018**, 12, 3759-3768	16.7	83
142	A multi-responsive water-driven actuator with instant and powerful performance for versatile applications. *Scientific Reports*, **2015**, 5, 9503	4.9	75
141	Continuous and scalable manufacture of amphibious energy yarns and textiles. *Nature Communications*, **2019**, 10, 868	17.4	75
140	Graphene–polymer hydrogels with stimulus-sensitive volume changes. *Carbon*, **2012**, 50, 1959-1965	10.4	74

139	Ni-Mo nanoparticles as co-catalyst for drastically enhanced photocatalytic hydrogen production activity over g-C3N4. *Applied Catalysis B: Environmental*, **2019**, 243, 136-144	21.8	74
138	Cladding nanostructured AgNWs-MoS2 electrode material for high-rate and long-life transparent in-plane micro-supercapacitor. *Energy Storage Materials*, **2019**, 16, 212-219	19.4	72
137	Preparation and magnetic property analysis of monodisperse Co□n ferrite nanospheres. *Journal of Alloys and Compounds*, **2010**, 491, 431-435	5.7	72
136	S, N Co-Doped Graphene Quantum Dot/TiO Composites for Efficient Photocatalytic Hydrogen Generation. *Nanoscale Research Letters*, **2017**, 12, 400	5	68
135	Bio-applicable and electroactive near-infrared laser-triggered self-healing hydrogels based on graphene networks. *Journal of Materials Chemistry*, **2012**, 22, 14991		67
134	High-Performance Flexible Thermoelectric Devices Based on All-Inorganic Hybrid Films for Harvesting Low-Grade Heat. *Advanced Functional Materials*, **2019**, 29, 1900304	15.6	66
133	Graphene papers: smart architecture and specific functionalization for biomimetics, electrocatalytic sensing and energy storage. *Materials Chemistry Frontiers*, **2017**, 1, 37-60	7.8	65
132	Metal□Organic Framework Derived Iron Sulfide□Carbon Core□Shell Nanorods as a Conversion-Type Battery Material. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 5039-5048	8.3	64
131	WO3/g-C3N4 two-dimensional composites for visible-light driven photocatalytic hydrogen production. *International Journal of Hydrogen Energy*, **2018**, 43, 4845-4855	6.7	64
130	All-fiber tribo-ferroelectric synergistic electronics with high thermal-moisture stability and comfortability. *Nature Communications*, **2019**, 10, 5541	17.4	61
129	Free-standing and flexible graphene papers as disposable non-enzymatic electrochemical sensors. *Bioelectrochemistry*, **2016**, 109, 87-94	5.6	57
128	Interlocked graphene-Prussian blue hybrid composites enable multifunctional electrochemical applications. *Biosensors and Bioelectronics*, **2017**, 89, 570-577	11.8	55
127	A wearable, fibroid, self-powered active kinematic sensor based on stretchable sheath-core structural triboelectric fibers. *Nano Energy*, **2017**, 39, 673-683	17.1	53
126	Hydrogel-based hierarchically wrinkled stretchable nanofibrous membrane for high performance wearable triboelectric nanogenerator. *Nano Energy*, **2020**, 67, 104206	17.1	52
125	Lattice-contraction triggered synchronous electrochromic actuator. *Nature Communications*, **2018**, 9, 4798	17.4	52
124	Regulation of carbon content in MOF-derived hierarchical-porous NiO@C films for high-performance electrochromism. *Materials Horizons*, **2019**, 6, 571-579	14.4	49
123	Facile synthesis of water-dispersible Cu2O nanocrystal-reduced graphene oxide hybrid as a promising cancer therapeutic agent. *Nanoscale*, **2013**, 5, 1227-32	7.7	48
122	Highly strong and elastic graphene fibres prepared from universal graphene oxide precursors. *Scientific Reports*, **2014**, 4, 4248	4.9	47

121	Graphene sheets/cobalt nanocomposites as low-cost/high-performance catalysts for hydrogen generation. *Materials Chemistry and Physics*, **2012**, 135, 826-831	4.4	47
120	Flexible and high-performance electrochromic devices enabled by self-assembled 2D TiO/MXene heterostructures. *Nature Communications*, **2021**, 12, 1587	17.4	44
119	MXene-Coated Air-Permeable Pressure-Sensing Fabric for Smart Wear. *ACS Applied Materials & Interfaces*, **2020**, 12, 46446-46454	9.5	42
118	Engineering two-dimensional layered nanomaterials for wearable biomedical sensors and power devices. *Materials Chemistry Frontiers*, **2018**, 2, 1944-1986	7.8	42
117	Dual-Mechanism and Multimotion Soft Actuators Based on Commercial Plastic Film. *ACS Applied Materials & Interfaces*, **2018**, 10, 15122-15128	9.5	41
116	Infrared-Radiation-Enhanced Nanofiber Membrane for Sky Radiative Cooling of the Human Body. *ACS Applied Materials & Interfaces*, **2019**, 11, 44673-44681	9.5	37
115	A remote controllable fiber-type near-infrared light-responsive actuator. *Chemical Communications*, **2017**, 53, 11118-11121	5.8	36
114	Constructing three-dimensional quasi-vertical nanosheet architectures from self-assemble two-dimensional WO 3 □2H 2 O for efficient electrochromic devices. *Applied Surface Science*, **2016**, 380, 281-287	6.7	35
113	A highly integrated sensing paper for wearable electrochemical sweat analysis. *Biosensors and Bioelectronics*, **2021**, 174, 112828	11.8	35
112	MoS2/C/C nanofiber with double-layer carbon coating for high cycling stability and rate capability in lithium-ion batteries. *Nano Research*, **2018**, 11, 5866-5878	10	34
111	Prepolymerization-assisted fabrication of an ultrathin immobilized layer to realize a semi-embedded wrinkled AgNW network for a smart electrothermal chromatic display and actuator. *Journal of Materials Chemistry C*, **2017**, 5, 9778-9785	7.1	34
110	Cobalt nitride nanoparticle coated hollow carbon spheres with nitrogen vacancies as an electrocatalyst for lithium□sulfur batteries. *Journal of Materials Chemistry A*, **2020**, 8, 14498-14505	13	33
109	Flexible and thermostable thermoelectric devices based on large-area and porous all-graphene films. *Carbon*, **2016**, 107, 146-153	10.4	33
108	Solution-Processed Porous Tungsten Molybdenum Oxide Electrodes for Energy Storage Smart Windows. *Advanced Materials Technologies*, **2017**, 2, 1700047	6.8	32
107	A highly ionic conductive poly(methyl methacrylate) composite electrolyte with garnet-typed Li6.75La3Zr1.75Nb0.25O12 nanowires. *Chemical Engineering Journal*, **2019**, 375, 121922	14.7	32
106	Wearable Thermoelectric Devices Based on Au-Decorated Two-Dimensional MoS. *ACS Applied Materials & Interfaces*, **2018**, 10, 33316-33321	9.5	32
105	Reduced graphene oxide functionalized stretchable and multicolor electrothermal chromatic fibers. *Journal of Materials Chemistry C*, **2017**, 5, 11448-11453	7.1	31
104	1T-Molybdenum disulfide/reduced graphene oxide hybrid fibers as high strength fibrous electrodes for wearable energy storage. *Journal of Materials Chemistry A*, **2019**, 7, 3143-3149	13	30

103	Three-Dimensional Hierarchically Porous Graphene Fiber-Shaped Supercapacitors with High Specific Capacitance and Rate Capability. *ACS Applied Materials & Interfaces*, **2019**, 11, 25205-25217	9.5	30
102	Stable Hydrogel Electrolytes for Flexible and Submarine-Use Zn-Ion Batteries. *ACS Applied Materials & Interfaces*, **2020**, 12, 46005-46014	9.5	29
101	Facilitating Interfacial Stability Via Bilayer Heterostructure Solid Electrolyte Toward High-energy, Safe and Adaptable Lithium Batteries. *Advanced Energy Materials*, **2020**, 10, 2000709	21.8	28
100	Versatile mechanically strong and highly conductive chemically converted graphene aerogels. *Carbon*, **2017**, 125, 352-359	10.4	28
99	Highly Integrable Thermoelectric Fiber. *ACS Applied Materials & Interfaces*, **2020**, 12, 33297-33304	9.5	26
98	One-step synthesis of CoNi ferrite/graphene nanocomposites with controllable magnetic and electrical properties. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2012**, 177, 1067-1072	3.1	24
97	Hierarchical Composite-Solid-Electrolyte with High Electrochemical Stability and Interfacial Regulation for Boosting Ultra-Stable Lithium Batteries. *Advanced Functional Materials*, **2021**, 31, 2006381	15.6	24
96	Functionalization of PNIPAAm microgels using magnetic graphene and their application in microreactors as switch materials. *Journal of Materials Chemistry*, **2011**, 21, 10512		23
95	Calligraphy-inspired brush written foldable supercapacitors. *Nano Energy*, **2017**, 38, 428-437	17.1	21
94	Wicking-Polarization-Induced Water Cluster Size Effect on Triboelectric Evaporation Textiles. *Advanced Materials*, **2021**, 33, e2007352	24	21
93	Graphene directed architecture of fine engineered nanostructures with electrochemical applications. *Electrochimica Acta*, **2017**, 242, 202-218	6.7	20
92	Reagent-Free Synthesis and Plasmonic Antioxidation of Unique Nanostructured Metal-Metal Oxide Core-Shell Microfibers. *Advanced Materials*, **2016**, 28, 4097-104	24	20
91	Room-temperature synthesis of 3-dimentional Ag-graphene hybrid hydrogel with promising electrochemical properties. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2013**, 178, 769-774	3.1	20
90	Abrasion Resistant/Waterproof Stretchable Triboelectric Yarns Based on Fermat Spirals. *Advanced Materials*, **2021**, 33, e2100782	24	20
89	Continuously Processed, Long Electrochromic Fibers with Multi-Environmental Stability. *ACS Applied Materials & Interfaces*, **2020**, 12, 28451-28460	9.5	19
88	Enhanced immunofluorescence detection of a protein marker using a PAA modified ZnO nanorod array-based microfluidic device. *Nanoscale*, **2018**, 10, 17663-17670	7.7	19
87	Thermochromic Hydrogel-Functionalized Textiles for Synchronous Visual Monitoring of On-Demand Drug Release. *ACS Applied Materials & Interfaces*, **2020**, 12, 51225-51235	9.5	18
86	A flexible metallic actuator using reduced graphene oxide as a multifunctional component. *Nanoscale*, **2017**, 9, 12963-12968	7.7	17

85	Graphene-carbon nanotube papers for energy conversion and storage under sunlight and heat. *Carbon*, **2015**, 95, 150-156	10.4	16
84	A kirigami-inspired island-chain design for wearable moistureproof perovskite solar cells with high stretchability and performance stability. *Nanoscale*, **2020**, 12, 3646-3656	7.7	16
83	Ultralight, Flexible, and Semi-Transparent Metal Oxide Papers for Photoelectrochemical Water Splitting. *ACS Applied Materials & Interfaces*, **2017**, 9, 3922-3930	9.5	15
82	Flexible 3D Porous MoS2/CNTs Architectures with ZT of 0.17 at Room Temperature for Wearable Thermoelectric Applications. *Advanced Functional Materials*, **2020**, 30, 2002508	15.6	15
81	In-situ construction of three-dimensional titania network on Ti foil toward enhanced performance of flexible dye-sensitized solar cells. *Applied Surface Science*, **2016**, 380, 210-217	6.7	15
80	Highly efficient flexible perovskite solar cells made via ultrasonic vibration assisted room temperature cold sintering. *Chemical Engineering Journal*, **2020**, 394, 124887	14.7	14
79	Metal□Organic Framework-Derived Nickel/Cobalt-Based Nanohybrids for Sensing Non-Enzymatic Glucose. *ChemElectroChem*, **2020**, 7, 4446-4452	4.3	13
78	Reinforced heat dissipation by simple graphene coating for phosphor-in-glass applied in high-power LED. *Journal of Alloys and Compounds*, **2019**, 774, 954-961	5.7	13
77	Antisolvent-Derived Intermediate Phases for Low-Temperature Flexible Perovskite Solar Cells. *ACS Applied Energy Materials*, **2018**, 1, 6477-6486	6.1	13
76	Self-Powered Interactive Fiber Electronics with Visual-Digital Synergies. *Advanced Materials*, **2021**, 33, e2104681	24	13
75	Reagent-Free Electrophoretic Synthesis of Few-Atom-Thick Metal Oxide Nanosheets. *Chemistry of Materials*, **2017**, 29, 1439-1446	9.6	12
74	A strong and flexible electronic vessel for real-time monitoring of temperature, motions and flow. *Nanoscale*, **2017**, 9, 17821-17828	7.7	12
73	Rapid formation of superelastic 3D reduced graphene oxide networks with simultaneous removal of HI utilizing NIR irradiation. *Journal of Materials Chemistry A*, **2015**, 3, 9882-9889	13	12
72	Transparent Metal-Organic Framework-Based Gel Electrolytes for Generalized Assembly of Quasi-Solid-State Electrochromic Devices. *ACS Applied Materials & Interfaces*, **2020**, 12, 42955-42967	9.5	12
71	Microfluidic spinning of editable polychromatic fibers. *Journal of Colloid and Interface Science*, **2020**, 558, 115-122	9.3	12
70	Tuning the reactivity of PbI2 film via monolayer Ti3C2Tx MXene for two-step-processed CH3NH3PbI3 solar cells. *Chemical Engineering Journal*, **2021**, 417, 127912	14.7	12
69	Composite Solid Electrolytes: Facilitating Interfacial Stability Via Bilayer Heterostructure Solid Electrolyte Toward High-energy, Safe and Adaptable Lithium Batteries (Adv. Energy Mater. 31/2020). *Advanced Energy Materials*, **2020**, 10, 2070131	21.8	11
68	One step synthesis of self-doped F□a2O5 nanoshuttles photocatalyst and enhanced photocatalytic hydrogen evolution. *International Journal of Hydrogen Energy*, **2021**, 46, 3996-4006	6.7	11

67	Synergistic Solvation and Interface Regulations of Eco-Friendly Silk Peptide Additive Enabling Stable Aqueous Zinc-Ion Batteries. *Advanced Functional Materials*,2112693	15.6	11
66	ZnS□dS□aON nanocomposites with enhanced stability and photocatalytic hydrogen evolution activity. *Journal of Sol-Gel Science and Technology*, **2019**, 91, 82-91	2.3	10
65	Highly Aligned Molybdenum Trioxide Nanobelts for Flexible Thin-Film Transistors and Supercapacitors: Macroscopic Assembly and Anisotropic Electrical Properties. *ACS Applied Nano Materials*, **2019**, 2, 1466-1471	5.6	10
64	Skeleton-Structure WS@CNT Thin-Film Hybrid Electrodes for High-Performance Quasi-Solid-State Flexible Supercapacitors. *Frontiers in Chemistry*, **2020**, 8, 442	5	10
63	Ultralong ZnO/Pt hierarchical structures for continuous-flow catalytic reactions. *Materials and Design*, **2016**, 109, 492-502	8.1	10
62	Highly efficient walking perovskite solar cells based on thermomechanical polymer films. *Journal of Materials Chemistry A*, **2019**, 7, 26154-26161	13	10
61	High performance stretchable fibrous supercapacitors and flexible strain sensors based on CNTs/MXene-TPU hybrid fibers. *Electrochimica Acta*, **2021**, 395, 139141	6.7	10
60	Flexible photodetector based on cotton coated with reduced graphene oxide and sulfur and nitrogen co-doped graphene quantum dots. *Journal of Materials Science*, **2019**, 54, 3242-3251	4.3	9
59	Ultra-stretchable, self-adhesive, transparent, and ionic conductive organohydrogel for flexible sensor. *APL Materials*, **2021**, 9, 011101	5.7	9
58	A noise-reduced broad-spectrum photodetector based on reagent-free electrophoretic assembled flexible ZnO/rGO films. *Applied Surface Science*, **2019**, 469, 113-117	6.7	8
57	Reduced graphene oxide-coated microfibers for oil□water separation. *Environmental Science: Nano*, **2019**, 6, 3215-3224	7.1	7
56	Controlling the transformation of intermediate phase under near-room temperature for improving the performance of perovskite solar cells. *Solar Energy*, **2019**, 186, 225-232	6.8	7
55	Light-driven artificial muscles based on electrospun microfiber yarns. *Science China Technological Sciences*, **2019**, 62, 965-970	3.5	7
54	An ordered electrospun polycaprolactone□collagen□silk fibroin scaffold for hepatocyte culture. *Journal of Materials Science*, **2018**, 53, 1623-1633	4.3	7
53	An electrically controllable all-solid-state Au@graphene oxide actuator. *Chemical Communications*, **2016**, 52, 5816-9	5.8	7
52	Scalable fluid-spinning nanowire-based inorganic semiconductor yarns for electrochromic actuators. *Materials Horizons*, **2021**, 8, 1711-1721	14.4	7
51	Solvatochromic structural color fabrics with favorable wearability properties. *Journal of Materials Chemistry C*, **2019**, 7, 4855-4862	7.1	6
50	Environment-sensitive carbon nanotube/polymer composite microhydrogels synthesized via a microfluidic reactor. *Journal of Applied Polymer Science*, **2013**, 127, 2422-2426	2.9	6

49	Water-resistant and underwater adhesive ion-conducting gel for motion-robust bioelectric monitoring. *Chemical Engineering Journal*, **2022**, 431, 134012	14.7	6
48	Nanoporous hybrid CuO/ZnO/carbon papers used as ultrasensitive non-enzymatic electrochemical sensors.. *RSC Advances*, **2019**, 9, 41886-41892	3.7	6
47	High Volumetric Energy Density Asymmetric Fibrous Supercapacitors with Coaxial Structure Based on Graphene/MnO2 Hybrid Fibers. *ChemElectroChem*, **2020**, 7, 4641-4648	4.3	5
46	Controllable (Ga1−xZnx)(N1−xOx) nanorods grown on black silicon as anodes for water splitting. *Applied Surface Science*, **2020**, 502, 144174	6.7	5
45	Stretchable electrothermochromic fibers based on hierarchical porous structures with electrically conductive dual-pathways. *Science China Materials*, **2020**, 63, 2582-2589	7.1	5
44	Size-Dependent and Self-Catalytic Gold@Prussian Blue Nanoparticles for the Electrochemical Detection of Hydrogen Peroxide. *ChemElectroChem*, **2020**, 7, 3818-3823	4.3	5
43	Mechanical design of brush coating technology for the alignment of one-dimension nanomaterials. *Journal of Colloid and Interface Science*, **2021**, 583, 188-195	9.3	5
42	From carbon nanotubes to highly adaptive and flexible high-performance thermoelectric generators. *Nano Energy*, **2021**, 89, 106487	17.1	5
41	A portable ascorbic acid in sweat analysis system based on highly crystalline conductive nickel-based metal-organic framework (Ni-MOF).. *Journal of Colloid and Interface Science*, **2022**, 616, 326-337	9.3	5
40	Wearable Organic Nano-sensors **2020**, 1-27		4
39	Facile synthesis of 3D hierarchical micro-/nanostructures in capillaries for efficient capture of circulating tumor cells. *Journal of Colloid and Interface Science*, **2020**, 575, 108-118	9.3	4
38	Capillary force driven printing of asymmetric Na-ion micro-supercapacitors. *Journal of Materials Chemistry A*, **2020**, 8, 22083-22089	13	4
37	A bio-adhesive ion-conducting organohydrogel as a high-performance non-invasive interface for bioelectronics. *Chemical Engineering Journal*, **2021**, 427, 130886	14.7	4
36	NiCo@NiCoO2/carbon hollow nanocages for non-enzyme glucose detection. *Electrochimica Acta*, **2021**, 381, 138259	6.7	4
35	High-Performance Ionic Thermoelectric Supercapacitor for Integrated Energy Conversion-Storage. *Energy and Environmental Materials*,	13	4
34	Core-shell structured SiO@ZrO@SiO filler for radiopacity and ultra-low shrinkage dental composite resins. *Journal of the Mechanical Behavior of Biomedical Materials*, **2021**, 121, 104593	4.1	4
33	Poly-ε-caprolactone nanofibrous mats as electrolyte host for tailorable flexible electrochromic devices. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2019**, 241, 36-41	3.1	3
32	Textile Triboelectric Nanogenerators for Energy Harvesting **2020**, 67-86		3

31	Flexible and Wearable Electronics **2020**, 285-303		3
30	Flexible Thermoelectrics and Thermoelectric Textiles **2020**, 49-66		3
29	Flexible and Wearable Solar Cells and Supercapacitors **2020**, 87-129		3
28	Additional-Heating-Enhanced Large-Scale Metallic Molybdenum Disulfide Nanosheet Exfoliation for Free-Standing Films and Flexible High-Performance Supercapacitors. *ChemNanoMat*, **2020**, 6, 267-273	3.5	3
27	Integrated Ionic-Additive Assisted Wet-Spinning of Highly Conductive and Stretchable PEDOT:PSS Fiber for Fibrous Organic Electrochemical Transistors. *Advanced Electronic Materials*, **2021**, 7, 2100231	6.4	3
26	Independent dual-responsive Janus chromic fibers. *Science China Materials*, **2021**, 64, 1770-1779	7.1	3
25	Electrochemical Actuators with Multicolor Changes and Multidirectional Actuation.. *Small*, **2022**, e2107718	13	3
24	Flexible and Printed Electronics for Smart Clothes **2020**, 253-284		2
23	Flexible and Wearable Lithium-Ion Batteries **2020**, 131-162		2
22	Flexible Microfluidics for Wearable Electronics **2020**, 213-235		2
21	Research on Flexible GaInP/GaInAs/Ge/Bi2Te3/Sb2Te3 PV-TE Integrated Systems. *Journal Wuhan University of Technology, Materials Science Edition*, **2019**, 34, 781-786	1	2
20	Highly integrated fiber-shaped thermoelectric generators with radially heterogeneous interlayers. *Nano Energy*, **2022**, 95, 107055	17.1	2
19	Carbon-based thin-film actuator with 1D to 2D transitional structure applied in smart clothing. *Carbon*, **2020**, 168, 546-552	10.4	2
18	Highly fluorinated polyimide gate dielectric for fully transparent aqueous precursor derived In2n oxide thin-film transistors. *Journal of Materials Science*, **2020**, 55, 15919-15929	4.3	2
17	Ultra-stable ionic-liquid-based electrochromism enabled by metal-organic frameworks. *Cell Reports Physical Science*, **2022**, 100866	6.1	2
16	Oriented attachment growth of monocrystalline cuprous oxide nanowires in pure water. *Nanoscale Advances*, **2019**, 1, 2174-2179	5.1	1
15	Materials and Processes for Stretchable and Wearable e-Textile Devices **2020**, 305-334		1
14	Stimuli-Responsive Electronic Skins **2020**, 29-48		1

13	Graphene-Paper Based Electrochemical Sensors **2017**,		1
12	Regulation of precursor solution concentration for In-Zn oxide thin film transistors. *Current Applied Physics*, **2018**, 18, 1300-1305	2.6	1
11	A self-healing, Na+ sensitive and neuron-compatible fiber. *Chemical Engineering Journal*, **2020**, 386, 124018	14.7	1
10	Thermal-assisted brush printing of water-based In-Ga-Zn oxide transistors. *Journal of Alloys and Compounds*, **2021**, 862, 158001	5.7	1
9	Multi-functional Electrochromic Devices: Integration Strategies Based on Multiple and Single Devices. *Wuji Cailiao Xuebao/Journal of Inorganic Materials*, **2021**, 36, 115	1	1
8	High power factor n-type Ag2Se/SWCNTs hybrid film for flexible thermoelectric generator. *Journal Physics D: Applied Physics*, **2021**, 54, 434004	3	1
7	Continuous preparation of dual-responsive sensing fibers for smart textiles. *Journal of Colloid and Interface Science*, **2021**, 597, 215-222	9.3	1
6	Bistable dielectric elastomer actuator with directional motion. *Sensors and Actuators A: Physical*, **2021**, 330, 112889	3.9	1
5	Piezoelectric Materials and Devices Based Flexible Bio-integrated Electronics **2020**, 237-251		0
4	Dielectrophoretic Assembly of Carbon Nanotube Chains in Aqueous Solution. *Advanced Fiber Materials*, **2021**, 3, 312	10.9	0
3	Polyacrylonitrile Fibers Anchored Cobalt/Graphene Sheet Nanocomposite: A Low-Cost, High-Performance and Reusable Catalyst for Hydrogen Generation. *Journal of Nanoscience and Nanotechnology*, **2016**, 16, 5627-32	1.3	0
2	Thermal and Humidity Management for Next-Generation Textiles **2020**, 163-181		
1	Functionalization of Fiber Materials for Washable Smart Wearable Textiles **2020**, 183-212		