

Qinghong Zhang

List of Publications by Year in Descending Order

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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.

183
papers

8,822
citations

46
h-index

89
g-index

189
ext. papers

10,878
ext. citations

9.9
avg, IF

6.51
L-index

#	Paper	IF	Citations
183	Highly integrated fiber-shaped thermoelectric generators with radially heterogeneous interlayers. <i>Nano Energy</i> , 2022 , 95, 107055	17.1	2
182	Water-resistant and underwater adhesive ion-conducting gel for motion-robust bioelectric monitoring. <i>Chemical Engineering Journal</i> , 2022 , 431, 134012	14.7	6
181	Electrodeposited ternary AgCuO ₂ nanocrystalline films as hole transport layers for inverted perovskite solar cells. <i>Journal of Alloys and Compounds</i> , 2022 , 890, 161879	5.7	2
180	Electrochemical Actuators with Multicolor Changes and Multidirectional Actuation.. <i>Small</i> , 2022 , e2107778	18	3
179	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> , 2022 , 616, 326-337	9.3	5
178	Ultra-stable ionic-liquid-based electrochromism enabled by metal-organic frameworks. <i>Cell Reports Physical Science</i> , 2022 , 100866	6.1	2
177	Multifunctional Mechanical Sensing Electronic Device Based on Triboelectric Anisotropic Crumpled Nanofibrous Mats. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 55481-55488	9.5	2
176	Flexible and high-performance electrochromic devices enabled by self-assembled 2D TiO/MXene heterostructures. <i>Nature Communications</i> , 2021 , 12, 1587	17.4	44
175	Wicking-Polarization-Induced Water Cluster Size Effect on Triboelectric Evaporation Textiles. <i>Advanced Materials</i> , 2021 , 33, e2007352	24	21
174	Abrasion Resistant/Waterproof Stretchable Triboelectric Yarns Based on Fermat Spirals. <i>Advanced Materials</i> , 2021 , 33, e2100782	24	20
173	Dual Covalent Cross-Linking Networks in Polynorborene: Comparison of Shape Memory Performance. <i>Materials</i> , 2021 , 14,	3.5	1
172	NiCoNiCoO ₂ /carbon hollow nanocages for non-enzyme glucose detection. <i>Electrochimica Acta</i> , 2021 , 381, 138259	6.7	4
171	Dielectrophoretic Assembly of Carbon Nanotube Chains in Aqueous Solution. <i>Advanced Fiber Materials</i> , 2021 , 3, 312	10.9	0
170	Integrated Ionic-Additive Assisted Wet-Spinning of Highly Conductive and Stretchable PEDOT:PSS Fiber for Fibrous Organic Electrochemical Transistors. <i>Advanced Electronic Materials</i> , 2021 , 7, 2100231	6.4	3
169	Tuning the reactivity of PbI ₂ film via monolayer Ti ₃ C ₂ T _x MXene for two-step-processed CH ₃ NH ₃ PbI ₃ solar cells. <i>Chemical Engineering Journal</i> , 2021 , 417, 127912	14.7	12
168	Atomic layer deposition SiO films over dental ZrO towards strong adhesive to resin. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 114, 104197	4.1	2
167	A highly integrated sensing paper for wearable electrochemical sweat analysis. <i>Biosensors and Bioelectronics</i> , 2021 , 174, 112828	11.8	35

166	Mechanical design of brush coating technology for the alignment of one-dimension nanomaterials. <i>Journal of Colloid and Interface Science</i> , 2021 , 583, 188-195	9.3	5
165	Scalable fluid-spinning nanowire-based inorganic semiconductor yarns for electrochromic actuators. <i>Materials Horizons</i> , 2021 , 8, 1711-1721	14.4	7
164	Ultra-stretchable, self-adhesive, transparent, and ionic conductive organohydrogel for flexible sensor. <i>APL Materials</i> , 2021 , 9, 011101	5.7	9
163	Independent dual-responsive Janus chromic fibers. <i>Science China Materials</i> , 2021 , 64, 1770-1779	7.1	3
162	Grain Size and Interface Modification via Cesium Carbonate Post-Treatment for Efficient SnO ₂ -Based Planar Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2021 , 4, 7002-7011	6.1	13
161	High power factor n-type Ag ₂ Se/SWCNTs hybrid film for flexible thermoelectric generator. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 434004	3	1
160	Self-Powered Interactive Fiber Electronics with Visual-Digital Synergies. <i>Advanced Materials</i> , 2021 , 33, e2104681	24	13
159	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> , 2021 , 121, 104593	4.1	4
158	Continuous preparation of dual-responsive sensing fibers for smart textiles. <i>Journal of Colloid and Interface Science</i> , 2021 , 597, 215-222	9.3	1
157	High performance stretchable fibrous supercapacitors and flexible strain sensors based on CNTs/MXene-TPU hybrid fibers. <i>Electrochimica Acta</i> , 2021 , 395, 139141	6.7	10
156	Anion effect on properties of Zn-doped CH ₃ NH ₃ PbI ₃ based perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2021 , 233, 111400	6.4	2
155	Interfacial Modification via a 1,4-Butanediamine-Based 2D Capping Layer for Perovskite Solar Cells with Enhanced Stability and Efficiency.. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	6
154	Synergistic Effect of , -Dimethylformamide and Hydrochloric Acid on the Growth of MAPbI Perovskite Films for Solar Cells. <i>ACS Omega</i> , 2020 , 5, 32295-32304	3.9	1
153	High Volumetric Energy Density Asymmetric Fibrous Supercapacitors with Coaxial Structure Based on Graphene/MnO ₂ Hybrid Fibers. <i>ChemElectroChem</i> , 2020 , 7, 4641-4648	4.3	5
152	Continuously Processed, Long Electrochromic Fibers with Multi-Environmental Stability. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 28451-28460	9.5	19
151	Skeleton-Structure WS@CNT Thin-Film Hybrid Electrodes for High-Performance Quasi-Solid-State Flexible Supercapacitors. <i>Frontiers in Chemistry</i> , 2020 , 8, 442	5	10
150	Thermal and Humidity Management for Next-Generation Textiles 2020 , 163-181		
149	Facilitating Interfacial Stability Via Bilayer Heterostructure Solid Electrolyte Toward High-energy, Safe and Adaptable Lithium Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 2000709	21.8	28

148	Highly Integrable Thermoelectric Fiber. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 33297-33304	9.5	26
147	Flexible 3D Porous MoS ₂ /CNTs Architectures with ZT of 0.17 at Room Temperature for Wearable Thermoelectric Applications. <i>Advanced Functional Materials</i> , 2020 , 30, 2002508	15.6	15
146	Fluorinated metal-organic framework as bifunctional filler toward highly improving output performance of triboelectric nanogenerators. <i>Nano Energy</i> , 2020 , 70, 104517	17.1	47
145	A kirigami-inspired island-chain design for wearable moistureproof perovskite solar cells with high stretchability and performance stability. <i>Nanoscale</i> , 2020 , 12, 3646-3656	7.7	16
144	Solution-processed p-type nanocrystalline CoO films for inverted mixed perovskite solar cells. <i>Journal of Colloid and Interface Science</i> , 2020 , 573, 78-86	9.3	8
143	Facile synthesis of 3D hierarchical micro-/nanostructures in capillaries for efficient capture of circulating tumor cells. <i>Journal of Colloid and Interface Science</i> , 2020 , 575, 108-118	9.3	4
142	Spray-coated monodispersed SnO ₂ microsphere films as scaffold layers for efficient mesoscopic perovskite solar cells. <i>Journal of Power Sources</i> , 2020 , 448, 227405	8.9	41
141	A self-healing, Na ⁺ sensitive and neuron-compatible fiber. <i>Chemical Engineering Journal</i> , 2020 , 386, 1240187	11.7	1
140	Additional-Heating-Enhanced Large-Scale Metallic Molybdenum Disulfide Nanosheet Exfoliation for Free-Standing Films and Flexible High-Performance Supercapacitors. <i>ChemNanoMat</i> , 2020 , 6, 267-273	3.5	3
139	Capillary force driven printing of asymmetric Na-ion micro-supercapacitors. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 22083-22089	13	4
138	Thermochromic Hydrogel-Functionalized Textiles for Synchronous Visual Monitoring of On-Demand Drug Release. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 51225-51235	9.5	18
137	Anatase TiO ₂ nanorod arrays as high-performance electron transport layers for perovskite solar cells. <i>Journal of Alloys and Compounds</i> , 2020 , 849, 156629	5.7	10
136	Stretchable electrothermochromic fibers based on hierarchical porous structures with electrically conductive dual-pathways. <i>Science China Materials</i> , 2020 , 63, 2582-2589	7.1	5
135	Large-Grained Perovskite Films Enabled by One-Step Meniscus-Assisted Solution Printing of Cross-Aligned Conductive Nanowires for Biodegradable Flexible Solar Cells. <i>Advanced Energy Materials</i> , 2020 , 10, 2001185	21.8	19
134	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> , 2020 , 10, 2070131	21.8	11
133	Metal-Organic Framework-Derived Nickel/Cobalt-Based Nanohybrids for Sensing Non-Enzymatic Glucose. <i>ChemElectroChem</i> , 2020 , 7, 4446-4452	4.3	13
132	Transparent Metal-Organic Framework-Based Gel Electrolytes for Generalized Assembly of Quasi-Solid-State Electrochromic Devices. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 42955-42961	9.5	12
131	MXene-Coated Air-Permeable Pressure-Sensing Fabric for Smart Wear. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 46446-46454	9.5	42

130	Controlled preparation of Bi ₂ O ₃ /MgAl mixed metal oxides composites with enhanced visible light photocatalytic performance. <i>Research on Chemical Intermediates</i> , 2020 , 46, 5009-5021	2.8	6
129	Stable Hydrogel Electrolytes for Flexible and Submarine-Use Zn-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 46005-46014	9.5	29
128	Highly fluorinated polyimide gate dielectric for fully transparent aqueous precursor derived In ₂ O ₃ oxide thin-film transistors. <i>Journal of Materials Science</i> , 2020 , 55, 15919-15929	4.3	2
127	Microfluidic spinning of editable polychromatic fibers. <i>Journal of Colloid and Interface Science</i> , 2020 , 558, 115-122	9.3	12
126	Highly efficient flexible perovskite solar cells made via ultrasonic vibration assisted room temperature cold sintering. <i>Chemical Engineering Journal</i> , 2020 , 394, 124887	14.7	14
125	Regulation of carbon content in MOF-derived hierarchical-porous NiO@C films for high-performance electrochromism. <i>Materials Horizons</i> , 2019 , 6, 571-579	14.4	49
124	1T-Molybdenum disulfide/reduced graphene oxide hybrid fibers as high strength fibrous electrodes for wearable energy storage. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 3143-3149	13	30
123	ZnS@dsTiO ₂ ON nanocomposites with enhanced stability and photocatalytic hydrogen evolution activity. <i>Journal of Sol-Gel Science and Technology</i> , 2019 , 91, 82-91	2.3	10
122	Controlling the transformation of intermediate phase under near-room temperature for improving the performance of perovskite solar cells. <i>Solar Energy</i> , 2019 , 186, 225-232	6.8	7
121	High-Performance Flexible Thermoelectric Devices Based on All-Inorganic Hybrid Films for Harvesting Low-Grade Heat. <i>Advanced Functional Materials</i> , 2019 , 29, 1900304	15.6	66
120	Enhancement in photoelectric performance of flexible perovskite solar cells by thermal nanoimprint pillar-like nanostructures. <i>Materials Letters</i> , 2019 , 248, 16-19	3.3	10
119	Solvatochromic structural color fabrics with favorable wearability properties. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 4855-4862	7.1	6
118	Light-driven artificial muscles based on electrospun microfiber yarns. <i>Science China Technological Sciences</i> , 2019 , 62, 965-970	3.5	7
117	Highly Aligned Molybdenum Trioxide Nanobelts for Flexible Thin-Film Transistors and Supercapacitors: Macroscopic Assembly and Anisotropic Electrical Properties. <i>ACS Applied Nano Materials</i> , 2019 , 2, 1466-1471	5.6	10
116	Cladding nanostructured AgNWs-MoS ₂ electrode material for high-rate and long-life transparent in-plane micro-supercapacitor. <i>Energy Storage Materials</i> , 2019 , 16, 212-219	19.4	72
115	Advanced Functional Fiber and Smart Textile. <i>Advanced Fiber Materials</i> , 2019 , 1, 3-31	10.9	87
114	Infrared-Radiation-Enhanced Nanofiber Membrane for Sky Radiative Cooling of the Human Body. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 44673-44681	9.5	37
113	Sheath-run artificial muscles. <i>Science</i> , 2019 , 365, 150-155	33.3	120

112	Continuous and scalable manufacture of amphibious energy yarns and textiles. <i>Nature Communications</i> , 2019 , 10, 868	17.4	75
111	Highly efficient walking perovskite solar cells based on thermomechanical polymer films. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 26154-26161	13	10
110	All-fiber tribo-ferroelectric synergistic electronics with high thermal-moisture stability and comfortability. <i>Nature Communications</i> , 2019 , 10, 5541	17.4	61
109	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> , 2019 , 54, 3242-3251	4.3	9
108	Earth-Abundant Oxygen Electrocatalysts for Alkaline Anion-Exchange-Membrane Water Electrolysis: Effects of Catalyst Conductivity and Comparison with Performance in Three-Electrode Cells. <i>ACS Catalysis</i> , 2019 , 9, 7-15	13.1	89
107	Dual-Mechanism and Multimotion Soft Actuators Based on Commercial Plastic Film. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 15122-15128	9.5	41
106	Molecular-channel driven actuator with considerations for multiple configurations and color switching. <i>Nature Communications</i> , 2018 , 9, 590	17.4	108
105	A single-walled carbon nanotubes/poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate)/copper hexacyanoferrate hybrid film for high-volumetric performance flexible supercapacitors. <i>Journal of Power Sources</i> , 2018 , 386, 96-105	8.9	26
104	Grain engineering by ultrasonic substrate vibration post-treatment of wet perovskite films for annealing-free, high performance, and stable perovskite solar cells. <i>Nanoscale</i> , 2018 , 10, 8526-8535	7.7	38
103	Ion-Transport Design for High-Performance Na-Based Electrochromics. <i>ACS Nano</i> , 2018 , 12, 3759-3768	16.7	83
102	All-fiber hybrid piezoelectric-enhanced triboelectric nanogenerator for wearable gesture monitoring. <i>Nano Energy</i> , 2018 , 48, 152-160	17.1	231
101	Modifying Perovskite Films with Polyvinylpyrrolidone for Ambient-Air-Stable Highly Bendable Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 35385-35394	9.5	40
100	Enhanced immunofluorescence detection of a protein marker using a PAA modified ZnO nanorod array-based microfluidic device. <i>Nanoscale</i> , 2018 , 10, 17663-17670	7.7	19
99	Mesoporous Pt/TiO ₂ -xN _x nanoparticles with less than 10 nm and high specific surface area as visible light hydrogen evolution photocatalysts. <i>Journal of Sol-Gel Science and Technology</i> , 2018 , 87, 230-239	2.3	2
98	High-performance solar cells with induced crystallization of perovskite by an evenly distributed CdSe quantum dots seed-mediated underlayer. <i>Journal of Power Sources</i> , 2018 , 376, 46-54	8.9	29
97	Lattice-contraction triggered synchronous electrochromic actuator. <i>Nature Communications</i> , 2018 , 9, 4798	17.4	52
96	SnO ₂ nanorod arrays with tailored area density as efficient electron transport layers for perovskite solar cells. <i>Journal of Power Sources</i> , 2018 , 402, 460-467	8.9	30
95	Antisolvent-Derived Intermediate Phases for Low-Temperature Flexible Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2018 , 1, 6477-6486	6.1	13

94	Wearable Thermoelectric Devices Based on Au-Decorated Two-Dimensional MoS. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 33316-33321	9.5	32
93	Design and Mechanisms of Asymmetric Supercapacitors. <i>Chemical Reviews</i> , 2018 , 118, 9233-9280	68.1	1396
92	Surface modification of quartz fibres for dental composites through a sol-gel process. <i>Materials Science and Engineering C</i> , 2017 , 74, 21-26	8.3	17
91	Liquid-liquid interface assisted synthesis of SnO ₂ nanorods with tunable length for enhanced performance in dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2017 , 227, 49-60	6.7	25
90	Self-powered multifunctional UV and IR photodetector as an artificial electronic eye. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 1436-1442	7.1	33
89	1-Ethyl-3-methylimidazolium tetrafluoroborate-doped high ionic conductivity gel electrolytes with reduced anodic reaction potentials for electrochromic devices. <i>Materials and Design</i> , 2017 , 118, 279-285	8.1	30
88	S, N Co-Doped Graphene Quantum Dot/TiO ₂ Composites for Efficient Photocatalytic Hydrogen Generation. <i>Nanoscale Research Letters</i> , 2017 , 12, 400	5	68
87	Calligraphy-inspired brush written foldable supercapacitors. <i>Nano Energy</i> , 2017 , 38, 428-437	17.1	21
86	Solution-Processed Porous Tungsten Molybdenum Oxide Electrodes for Energy Storage Smart Windows. <i>Advanced Materials Technologies</i> , 2017 , 2, 1700047	6.8	32
85	A remote controllable fiber-type near-infrared light-responsive actuator. <i>Chemical Communications</i> , 2017 , 53, 11118-11121	5.8	36
84	Synthesis of Mesoporous (Ga _{1-x} Zn _x)(N _{1-x} O _x) Using Layered Double Hydroxides as Precursors for Enhanced Visible-Light Driven H ₂ Production. <i>Chinese Journal of Chemistry</i> , 2017 , 35, 196-202	4.9	4
83	Aluminum-Ion-Intercalation Supercapacitors with Ultrahigh Areal Capacitance and Highly Enhanced Cycling Stability: Power Supply for Flexible Electrochromic Devices. <i>Small</i> , 2017 , 13, 1700380	11	76
82	Solvent vapor annealing of oriented PbI ₂ films for improved crystallization of perovskite films in the air. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 166, 167-175	6.4	16
81	A strong and flexible electronic vessel for real-time monitoring of temperature, motions and flow. <i>Nanoscale</i> , 2017 , 9, 17821-17828	7.7	12
80	Ultrathin, Washable, and Large-Area Graphene Papers for Personal Thermal Management. <i>Small</i> , 2017 , 13, 1702645	11	98
79	Flexible quasi-solid-state planar micro-supercapacitor based on cellular graphene films. <i>Materials Horizons</i> , 2017 , 4, 1145-1150	14.4	150
78	A flexible metallic actuator using reduced graphene oxide as a multifunctional component. <i>Nanoscale</i> , 2017 , 9, 12963-12968	7.7	17
77	A wearable, fibroid, self-powered active kinematic sensor based on stretchable sheath-core structural triboelectric fibers. <i>Nano Energy</i> , 2017 , 39, 673-683	17.1	53

76	Fabrication of magnetic field induced structural colored films with tunable colors and its application on security materials. <i>Journal of Colloid and Interface Science</i> , 2017 , 485, 18-24	9.3	20
75	Reduced graphene oxide functionalized stretchable and multicolor electrothermal chromatic fibers. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 11448-11453	7.1	31
74	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> , 2017 , 5, 9778-9785	7.1	34
73	Facile fabrication of magnetically responsive PDMS fiber for camouflage. <i>Journal of Colloid and Interface Science</i> , 2016 , 483, 11-16	9.3	18
72	An Elastic Transparent Conductor Based on Hierarchically Wrinkled Reduced Graphene Oxide for Artificial Muscles and Sensors. <i>Advanced Materials</i> , 2016 , 28, 9491-9497	24	121
71	Hydrophobic SiO ₂ Electret Enhances the Performance of Poly(vinylidene fluoride) Nanofiber-Based Triboelectric Nanogenerator. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 26600-26608	3.8	20
70	3D Freeze-Casting of Cellular Graphene Films for Ultrahigh-Power-Density Supercapacitors. <i>Advanced Materials</i> , 2016 , 28, 6719-26	24	335
69	Hydrophobic coating over a CH ₃ NH ₃ PbI ₃ absorbing layer towards air stable perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 6848-6854	7.1	41
68	Three-dimensional ordered titanium dioxide-zirconium dioxide film-based microfluidic device for efficient on-chip phosphopeptide enrichment. <i>Journal of Colloid and Interface Science</i> , 2016 , 478, 227-35	9.3	10
67	An electrically controllable all-solid-state Au@graphene oxide actuator. <i>Chemical Communications</i> , 2016 , 52, 5816-9	5.8	7
66	A novel efficient ZnO/Zn(OH)F nanofiber arrays-based versatile microfluidic system for the applications of photocatalysis and histidine-rich protein separation. <i>Sensors and Actuators B: Chemical</i> , 2016 , 229, 281-287	8.5	29
65	Visibly vapor-responsive structurally colored carbon fibers prepared by an electrophoretic deposition method. <i>RSC Advances</i> , 2016 , 6, 16319-16322	3.7	8
64	Fluoroalkylsilane-Modified Textile-Based Personal Energy Management Device for Multifunctional Wearable Applications. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 4676-83	9.5	95
63	Spray coated ultrathin films from aqueous tungsten molybdenum oxide nanoparticle ink for high contrast electrochromic applications. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 33-38	7.1	53
62	Aqueous synthesis of high bright and tunable near-infrared AgInSe ₂ -ZnSe quantum dots for bioimaging. <i>Journal of Colloid and Interface Science</i> , 2016 , 463, 1-7	9.3	42
61	Biocompatible and colloidally stabilized mPEG-PE/calcium phosphate hybrid nanoparticles loaded with siRNAs targeting tumors. <i>Oncotarget</i> , 2016 , 7, 2855-66	3.3	16
60	Flexible and thermostable thermoelectric devices based on large-area and porous all-graphene films. <i>Carbon</i> , 2016 , 107, 146-153	10.4	33
59	Lightweight, highly bendable and foldable electrochromic films based on all-solution-processed bilayer nanowire networks. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 5849-5857	7.1	26

58	Enhanced fluorescence and heat dissipation of calcium titanate red phosphor based on silver coating. <i>Journal of Colloid and Interface Science</i> , 2015 , 459, 44-52	9.3	7
57	Rapid formation of superelastic 3D reduced graphene oxide networks with simultaneous removal of HI utilizing NIR irradiation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 9882-9889	13	12
56	A multi-responsive water-driven actuator with instant and powerful performance for versatile applications. <i>Scientific Reports</i> , 2015 , 5, 9503	4.9	75
55	Graphene-based materials for flexible supercapacitors. <i>Chemical Society Reviews</i> , 2015 , 44, 3639-65	58.5	851
54	Laser irradiated self-supporting and flexible 3-dimensional graphene-based film electrode with promising electrochemical properties. <i>RSC Advances</i> , 2015 , 5, 47074-47079	3.7	9
53	Controllable construction of micro/nanostructured NiO arrays in confined microchannels via microfluidic chemical fabrication for highly efficient and specific absorption of abundant proteins. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 4272-4281	7.3	14
52	Flow Effects on the Controlled Growth of Nanostructured Networks at Microcapillary Walls for Applications in Continuous Flow Reactions. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 21580-8	9.5	10
51	Graphene-carbon nanotube papers for energy conversion and storage under sunlight and heat. <i>Carbon</i> , 2015 , 95, 150-156	10.4	16
50	Origami-inspired active graphene-based paper for programmable instant self-folding walking devices. <i>Science Advances</i> , 2015 , 1, e1500533	14.3	260
49	High-performance all-solid-state yarn supercapacitors based on porous graphene ribbons. <i>Nano Energy</i> , 2015 , 12, 26-32	17.1	92
48	Construction of hydrated tungsten trioxide nanosheet films for efficient electrochromic performance. <i>RSC Advances</i> , 2015 , 5, 196-201	3.7	28
47	One-pot Hydrothermal Synthesis of N-Doped Carbon Quantum Dots Using the Waste of Shrimp for Hydrogen Evolution from Formic Acid. <i>Chemistry Letters</i> , 2015 , 44, 241-243	1.7	18
46	Enhanced Power Output of a Triboelectric Nanogenerator Composed of Electrospun Nanofiber Mats Doped with Graphene Oxide. <i>Scientific Reports</i> , 2015 , 5, 13942	4.9	89
45	Facile fabrication of a magnetically induced structurally colored fiber and its strain-responsive properties. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11093-11097	13	42
44	Eu doped Si-oxynitride fluorescent nanofibrous inorganic membranes with high flexibility. <i>RSC Advances</i> , 2015 , 5, 101287-101292	3.7	2
43	Controllable construction of titanium dioxide-zirconium dioxide@zinc hydroxyfluoride networks in micro-capillaries for bio-analysis. <i>Journal of Colloid and Interface Science</i> , 2015 , 446, 290-7	9.3	10
42	Investigation on the physical-mechanical properties of dental resin composites reinforced with novel bimodal silica nanostructures. <i>Materials Science and Engineering C</i> , 2015 , 50, 266-73	8.3	49
41	Fabrication of LiMnPO ₄ -MWCNT cathode material via vapor phase hydrolysis and its electrochemical properties. <i>Ionics</i> , 2015 , 21, 651-656	2.7	1

40	Highly strong and elastic graphene fibres prepared from universal graphene oxide precursors. <i>Scientific Reports</i> , 2014 , 4, 4248	4.9	47
39	Self-seeded growth of nest-like hydrated tungsten trioxide film directly on FTO substrate for highly enhanced electrochromic performance. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 11305-11310	13	61
38	Controllable growth of high-quality metal oxide/conducting polymer hierarchical nanoarrays with outstanding electrochromic properties and solar-heat shielding ability. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 13541-13549	13	45
37	Red, green, blue (RGB) electrochromic fibers for the new smart color change fabrics. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 13043-50	9.5	73
36	In Situ Functionalization of Stable 3D Nest-Like Networks in Confined Channels for Microfluidic Enrichment and Detection. <i>Advanced Functional Materials</i> , 2014 , 24, 1017-1026	15.6	36
35	Highly conductive, flexible, and compressible all-graphene passive electronic skin for sensing human touch. <i>Advanced Materials</i> , 2014 , 26, 5018-24	24	231
34	Fabrication of large-area and high-crystallinity photoreduced graphene oxide films via reconstructed two-dimensional multilayer structures. <i>NPG Asia Materials</i> , 2014 , 6, e119-e119	10.3	36
33	Hierarchical nanostructure of WO ₃ nanorods on TiO ₂ nanofibers and the enhanced visible light photocatalytic activity for degradation of organic pollutants. <i>CrystEngComm</i> , 2013 , 15, 5986	3.3	80
32	Hierarchical NiO microflake films with high coloration efficiency, cyclic stability and low power consumption for applications in a complementary electrochromic device. <i>Nanoscale</i> , 2013 , 5, 4808-15	7.7	81
31	Morphology-tailored synthesis of vertically aligned 1D WO ₃ nano-structure films for highly enhanced electrochromic performance. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 684-691	13	122
30	Formation of the modified ultrafine anatase TiO ₂ nanoparticles using the nanofiber as a micro-sized reactor. <i>CrystEngComm</i> , 2013 , 15, 1607	3.3	8
29	High-performance flexible asymmetric supercapacitors based on 3D porous graphene/MnO ₂ nanorod and graphene/Ag hybrid thin-film electrodes. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 1245-1251	7.1	135
28	A high efficiency microreactor with Pt/ZnO nanorod arrays on the inner wall for photodegradation of phenol. <i>Journal of Hazardous Materials</i> , 2013 , 254-255, 318-324	12.8	52
27	Fabrication of Hollow Tetrapod-Like TiN Nanostructures and Its Electrochemical Property. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 2478-2480	3.8	9
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25	Low shrinkage light curable dental nanocomposites using SiO ₂ microspheres as fillers. <i>Materials Science and Engineering C</i> , 2012 , 32, 2115-2121	8.3	45
24	Bio-applicable and electroactive near-infrared laser-triggered self-healing hydrogels based on graphene networks. <i>Journal of Materials Chemistry</i> , 2012 , 22, 14991		67
23	Self-weaving WO ₃ nanoflake films with greatly enhanced electrochromic performance. <i>Journal of Materials Chemistry</i> , 2012 , 22, 16633		63

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19	Silver Orthophosphate Immobilized on Flaky Layered Double Hydroxides as the Visible-Light-Driven Photocatalysts. <i>International Journal of Photoenergy</i> , 2012 , 2012, 1-6	2.1	21
18	White light emission from Mn-doped ZnSe d-dots synthesized continuously in microfluidic reactors. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17972		31
17	Solvent-controlled formation and photoelectrochemical sensing properties of 3-dimensional TiO ₂ nanostructures. <i>CrystEngComm</i> , 2011 , 13, 6258	3.3	15
16	Molar ratio of In to urea directed formation of In ₂ O ₃ hierarchical structures: cubes and nanorod-flowers. <i>CrystEngComm</i> , 2011 , 13, 2557	3.3	27
15	Enhanced Visible Light-Driven Photocatalytic Performance of La-Doped TiO ₂ -xFx. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 25-27	3.8	5
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13	Preparation and magnetic property analysis of monodisperse Co ₂ n ferrite nanospheres. <i>Journal of Alloys and Compounds</i> , 2010 , 491, 431-435	5.7	72
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3	Ta ₃ N ₅ nanoparticles with enhanced photocatalytic efficiency under visible light irradiation. <i>Langmuir</i> , 2004 , 20, 9821-7	4	103
2	High-Performance Ionic Thermoelectric Supercapacitor for Integrated Energy Conversion-Storage. <i>Energy and Environmental Materials</i> ,	13	4
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