Qinghong Zhang

List of Publications by Citations

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	Design and Mechanisms of Asymmetric Supercapacitors. *Chemical Reviews*, **2018**, 118, 9233-9280	68.1	1396
182	Graphene-based materials for flexible supercapacitors. *Chemical Society Reviews*, **2015**, 44, 3639-65	58.5	851
181	3D Freeze-Casting of Cellular Graphene Films for Ultrahigh-Power-Density Supercapacitors. *Advanced Materials*, **2016**, 28, 6719-26	24	335
180	Origami-inspired active graphene-based paper for programmable instant self-folding walking devices. *Science Advances*, **2015**, 1, e1500533	14.3	260
179	All-fiber hybrid piezoelectric-enhanced triboelectric nanogenerator for wearable gesture monitoring. *Nano Energy*, **2018**, 48, 152-160	17.1	231
178	Highly conductive, flexible, and compressible all-graphene passive electronic skin for sensing human touch. *Advanced Materials*, **2014**, 26, 5018-24	24	231
177	Flexible quasi-solid-state planar micro-supercapacitor based on cellular graphene films. *Materials Horizons*, **2017**, 4, 1145-1150	14.4	150
176	High-performance flexible asymmetric supercapacitors based on 3D porous graphene/MnO2 nanorod and graphene/Ag hybrid thin-film electrodes. *Journal of Materials Chemistry C*, **2013**, 1, 1245-1251	7.1	135
175	Anatase TiO2 nanoparticles immobilized on ZnO tetrapods as a highly efficient and easily recyclable photocatalyst. *Applied Catalysis B: Environmental*, **2007**, 76, 168-173	21.8	127
174	Morphology-tailored synthesis of vertically aligned 1D WO3 nano-structure films for highly enhanced electrochromic performance. *Journal of Materials Chemistry A*, **2013**, 1, 684-691	13	122
173	An Elastic Transparent Conductor Based on Hierarchically Wrinkled Reduced Graphene Oxide for Artificial Muscles and Sensors. *Advanced Materials*, **2016**, 28, 9491-9497	24	121
172	Sheath-run artificial muscles. *Science*, **2019**, 365, 150-155	33.3	120
171	Molecular-channel driven actuator with considerations for multiple configurations and color switching. *Nature Communications*, **2018**, 9, 590	17.4	108
170	Ta3N5 nanoparticles with enhanced photocatalytic efficiency under visible light irradiation. *Langmuir*, **2004**, 20, 9821-7	4	103
169	Ultrathin, Washable, and Large-Area Graphene Papers for Personal Thermal Management. *Small*, **2017**, 13, 1702645	11	98
168	Fluoroalkylsilane-Modified Textile-Based Personal Energy Management Device for Multifunctional Wearable Applications. *ACS Applied Materials & Interfaces*, **2016**, 8, 4676-83	9.5	95
167	High-performance all-solid-state yarn supercapacitors based on porous graphene ribbons. *Nano Energy*, **2015**, 12, 26-32	17.1	92

166	Enhanced Power Output of a Triboelectric Nanogenerator Composed of Electrospun Nanofiber Mats Doped with Graphene Oxide. *Scientific Reports*, **2015**, 5, 13942	4.9	89
165	Earth-Abundant Oxygen Electrocatalysts for Alkaline Anion-Exchange-Membrane Water Electrolysis: Effects of Catalyst Conductivity and Comparison with Performance in Three-Electrode Cells. *ACS Catalysis*, **2019**, 9, 7-15	13.1	89
164	Advanced Functional Fiber and Smart Textile. *Advanced Fiber Materials*, **2019**, 1, 3-31	10.9	87
163	Ion-Transport Design for High-Performance Na-Based Electrochromics. *ACS Nano*, **2018**, 12, 3759-3768	16.7	83
162	Hierarchical NiO microflake films with high coloration efficiency, cyclic stability and low power consumption for applications in a complementary electrochromic device. *Nanoscale*, **2013**, 5, 4808-15	7.7	81
161	Hierarchical nanostructure of WO3 nanorods on TiO2 nanofibers and the enhanced visible light photocatalytic activity for degradation of organic pollutants. *CrystEngComm*, **2013**, 15, 5986	3.3	80
160	Aluminum-Ion-Intercalation Supercapacitors with Ultrahigh Areal Capacitance and Highly Enhanced Cycling Stability: Power Supply for Flexible Electrochromic Devices. *Small*, **2017**, 13, 1700380	11	76
159	A multi-responsive water-driven actuator with instant and powerful performance for versatile applications. *Scientific Reports*, **2015**, 5, 9503	4.9	75
158	Continuous and scalable manufacture of amphibious energy yarns and textiles. *Nature Communications*, **2019**, 10, 868	17.4	75
157	Graphene□polymer hydrogels with stimulus-sensitive volume changes. *Carbon*, **2012**, 50, 1959-1965	10.4	74
156	Red, green, blue (RGB) electrochromic fibers for the new smart color change fabrics. *ACS Applied Materials & Interfaces*, **2014**, 6, 13043-50	9.5	73
155	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
154	Preparation and magnetic property analysis of monodisperse Co□n ferrite nanospheres. *Journal of Alloys and Compounds*, **2010**, 491, 431-435	5.7	72
153	S, N Co-Doped Graphene Quantum Dot/TiO Composites for Efficient Photocatalytic Hydrogen Generation. *Nanoscale Research Letters*, **2017**, 12, 400	5	68
152	Bio-applicable and electroactive near-infrared laser-triggered self-healing hydrogels based on graphene networks. *Journal of Materials Chemistry*, **2012**, 22, 14991		67
151	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
150	Facile growth of vertically aligned BiOCl nanosheet arrays on conductive glass substrate with high photocatalytic properties. *Journal of Materials Chemistry*, **2012**, 22, 16851		65
149	Self-weaving WO3 nanoflake films with greatly enhanced electrochromic performance. *Journal of Materials Chemistry*, **2012**, 22, 16633		63

148	Self-seeded growth of nest-like hydrated tungsten trioxide film directly on FTO substrate for highly enhanced electrochromic performance. *Journal of Materials Chemistry A*, **2014**, 2, 11305-11310	13	61
147	All-fiber tribo-ferroelectric synergistic electronics with high thermal-moisture stability and comfortability. *Nature Communications*, **2019**, 10, 5541	17.4	61
146	ZnO nanoparticles immobilized on flaky layered double hydroxides as photocatalysts with enhanced adsorptivity for removal of acid red G. *Langmuir*, **2010**, 26, 15546-53	4	59
145	Spray coated ultrathin films from aqueous tungsten molybdenum oxide nanoparticle ink for high contrast electrochromic applications. *Journal of Materials Chemistry C*, **2016**, 4, 33-38	7.1	53
144	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
143	A high efficiency microreactor with Pt/ZnO nanorod arrays on the inner wall for photodegradation of phenol. *Journal of Hazardous Materials*, **2013**, 254-255, 318-324	12.8	52
142	Lattice-contraction triggered synchronous electrochromic actuator. *Nature Communications*, **2018**, 9, 4798	17.4	52
141	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
140	Investigation on the physical-mechanical properties of dental resin composites reinforced with novel bimodal silica nanostructures. *Materials Science and Engineering C*, **2015**, 50, 266-73	8.3	49
139	Highly strong and elastic graphene fibres prepared from universal graphene oxide precursors. *Scientific Reports*, **2014**, 4, 4248	4.9	47
138	Fluorinated metal-organic framework as bifunctional filler toward highly improving output performance of triboelectric nanogenerators. *Nano Energy*, **2020**, 70, 104517	17.1	47
137	Controllable growth of high-quality metal oxide/conducting polymer hierarchical nanoarrays with outstanding electrochromic properties and solar-heat shielding ability. *Journal of Materials Chemistry A*, **2014**, 2, 13541-13549	13	45
136	Low shrinkage light curable dental nanocomposites using SiO microspheres as fillers. *Materials Science and Engineering C*, **2012**, 32, 2115-2121	8.3	45
135	Flexible and high-performance electrochromic devices enabled by self-assembled 2D TiO/MXene heterostructures. *Nature Communications*, **2021**, 12, 1587	17.4	44
134	Aqueous synthesis of high bright and tunable near-infrared AgInSe2-ZnSe quantum dots for bioimaging. *Journal of Colloid and Interface Science*, **2016**, 463, 1-7	9.3	42
133	Facile fabrication of a magnetically induced structurally colored fiber and its strain-responsive properties. *Journal of Materials Chemistry A*, **2015**, 3, 11093-11097	13	42
132	MXene-Coated Air-Permeable Pressure-Sensing Fabric for Smart Wear. *ACS Applied Materials & Interfaces*, **2020**, 12, 46446-46454	9.5	42
131	Dual-Mechanism and Multimotion Soft Actuators Based on Commercial Plastic Film. *ACS Applied Materials & Interfaces*, **2018**, 10, 15122-15128	9.5	41

130	Hydrophobic coating over a CH3NH3PbI3 absorbing layer towards air stable perovskite solar cells. *Journal of Materials Chemistry C*, **2016**, 4, 6848-6854	7.1	41
129	Spray-coated monodispersed SnO2 microsphere films as scaffold layers for efficient mesoscopic perovskite solar cells. *Journal of Power Sources*, **2020**, 448, 227405	8.9	41
128	Modifying Perovskite Films with Polyvinylpyrrolidone for Ambient-Air-Stable Highly Bendable Solar Cells. *ACS Applied Materials & Interfaces*, **2018**, 10, 35385-35394	9.5	40
127	ZnO nanorods decorated calcined MgAl layered double hydroxides as photocatalysts with a high adsorptive capacity. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2009**, 348, 76-81	5.1	39
126	Grain engineering by ultrasonic substrate vibration post-treatment of wet perovskite films for annealing-free, high performance, and stable perovskite solar cells. *Nanoscale*, **2018**, 10, 8526-8535	7.7	38
125	Infrared-Radiation-Enhanced Nanofiber Membrane for Sky Radiative Cooling of the Human Body. *ACS Applied Materials & Interfaces*, **2019**, 11, 44673-44681	9.5	37
124	A remote controllable fiber-type near-infrared light-responsive actuator. *Chemical Communications*, **2017**, 53, 11118-11121	5.8	36
123	In Situ Functionalization of Stable 3D Nest-Like Networks in Confined Channels for Microfluidic Enrichment and Detection. *Advanced Functional Materials*, **2014**, 24, 1017-1026	15.6	36
122	Fabrication of large-area and high-crystallinity photoreduced graphene oxide films via reconstructed two-dimensional multilayer structures. *NPG Asia Materials*, **2014**, 6, e119-e119	10.3	36
121	A highly integrated sensing paper for wearable electrochemical sweat analysis. *Biosensors and Bioelectronics*, **2021**, 174, 112828	11.8	35
120	Synthesis of Fe3O4/C/TiO2Magnetic Photocatalyst via Vapor Phase Hydrolysis. *International Journal of Photoenergy*, **2012**, 2012, 1-8	2.1	34
119	Redispersible and water-soluble LaF3:Ce,Tb nanocrystalsvia a microfluidic reactor with temperature steps. *Journal of Materials Chemistry*, **2008**, 18, 5060		34
118	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
117	Self-powered multifunctional UV and IR photodetector as an artificial electronic eye. *Journal of Materials Chemistry C*, **2017**, 5, 1436-1442	7.1	33
116	Synthesis and characterization of La2O3/TiO2-xFx and the visible light photocatalytic oxidation of 4-chlorophenol. *Journal of Hazardous Materials*, **2010**, 178, 440-9	12.8	33
115	Flexible and thermostable thermoelectric devices based on large-area and porous all-graphene films. *Carbon*, **2016**, 107, 146-153	10.4	33
114	Solution-Processed Porous Tungsten Molybdenum Oxide Electrodes for Energy Storage Smart Windows. *Advanced Materials Technologies*, **2017**, 2, 1700047	6.8	32
113	Wearable Thermoelectric Devices Based on Au-Decorated Two-Dimensional MoS. *ACS Applied Materials & Interfaces*, **2018**, 10, 33316-33321	9.5	32

112	White light emission from Mn-doped ZnSe d-dots synthesized continuously in microfluidic reactors. *Journal of Materials Chemistry*, **2011**, 21, 17972		31
111	Reduced graphene oxide functionalized stretchable and multicolor electrothermal chromatic fibers. *Journal of Materials Chemistry C*, **2017**, 5, 11448-11453	7.1	31
110	1-Ethyl-3-methylimidazolium tetrafluoroborate-doped high ionic conductivity gel electrolytes with reduced anodic reaction potentials for electrochromic devices. *Materials and Design*, **2017**, 118, 279-285	8.1	30
109	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
108	SnO2 nanorod arrays with tailored area density as efficient electron transport layers for perovskite solar cells. *Journal of Power Sources*, **2018**, 402, 460-467	8.9	30
107	A novel efficient ZnO/Zn(OH)F nanofiber arrays-based versatile microfluidic system for the applications of photocatalysis and histidine-rich protein separation. *Sensors and Actuators B: Chemical*, **2016**, 229, 281-287	8.5	29
106	Stable Hydrogel Electrolytes for Flexible and Submarine-Use Zn-Ion Batteries. *ACS Applied Materials & Interfaces*, **2020**, 12, 46005-46014	9.5	29
105	High-performance solar cells with induced crystallization of perovskite by an evenly distributed CdSe quantum dots seed-mediated underlayer. *Journal of Power Sources*, **2018**, 376, 46-54	8.9	29
104	Construction of hydrated tungsten trioxide nanosheet films for efficient electrochromic performance. *RSC Advances*, **2015**, 5, 196-201	3.7	28
103	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
102	Molar ratio of In to urea directed formation of In2O3 hierarchical structures: cubes and nanorod-flowers. *CrystEngComm*, **2011**, 13, 2557	3.3	27
101	Highly Integrable Thermoelectric Fiber. *ACS Applied Materials & Interfaces*, **2020**, 12, 33297-33304	9.5	26
100	A single-walled carbon nanotubes/poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate)/copper hexacyanoferrate hybrid film for high-volumetric performance flexible supercapacitors. *Journal of Power Sources*, **2018**, 386, 96-105	8.9	26
99	Facile crystallization control of LaF3/LaPO4:Ce, Tb nanocrystals in a microfluidic reactor using microwave irradiation. *Journal of Materials Chemistry*, **2010**, 20, 1766		26
98	Lightweight, highly bendable and foldable electrochromic films based on all-solution-processed bilayer nanowire networks. *Journal of Materials Chemistry C*, **2016**, 4, 5849-5857	7.1	26
97	Liquid-liquid interface assisted synthesis of SnO 2 nanorods with tunable length for enhanced performance in dye-sensitized solar cells. *Electrochimica Acta*, **2017**, 227, 49-60	6.7	25
96	Calligraphy-inspired brush written foldable supercapacitors. *Nano Energy*, **2017**, 38, 428-437	17.1	21
95	Silver Orthophosphate Immobilized on Flaky Layered Double Hydroxides as the Visible-Light-Driven Photocatalysts. *International Journal of Photoenergy*, **2012**, 2012, 1-6	2.1	21

94	Wicking-Polarization-Induced Water Cluster Size Effect on Triboelectric Evaporation Textiles. *Advanced Materials*, **2021**, 33, e2007352	24	21
93	Hydrophobic SiO2 Electret Enhances the Performance of Poly(vinylidene fluoride) Nanofiber-Based Triboelectric Nanogenerator. *Journal of Physical Chemistry C*, **2016**, 120, 26600-26608	3.8	20
92	Fabrication of magnetic field induced structural colored films with tunable colors and its application on security materials. *Journal of Colloid and Interface Science*, **2017**, 485, 18-24	9.3	20
91	Abrasion Resistant/Waterproof Stretchable Triboelectric Yarns Based on Fermat Spirals. *Advanced Materials*, **2021**, 33, e2100782	24	20
90	Continuously Processed, Long Electrochromic Fibers with Multi-Environmental Stability. *ACS Applied Materials & Interfaces*, **2020**, 12, 28451-28460	9.5	19
89	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
88	Peptization□Hydrothermal Method as a Surfactant-Free Process toward Nanorod-Like Anatase TiO2 Nanocrystals. *European Journal of Inorganic Chemistry*, **2009**, 2009, 4078-4084	2.3	19
87	Large-Grained Perovskite Films Enabled by One-Step Meniscus-Assisted Solution Printing of Cross-Aligned Conductive Nanowires for Biodegradable Flexible Solar Cells. *Advanced Energy Materials*, **2020**, 10, 2001185	21.8	19
86	Facile fabrication of magnetically responsive PDMS fiber for camouflage. *Journal of Colloid and Interface Science*, **2016**, 483, 11-16	9.3	18
85	One-pot Hydrothermal Synthesis of N-Doped Carbon Quantum Dots Using the Waste of Shrimp for Hydrogen Evolution from Formic Acid. *Chemistry Letters*, **2015**, 44, 241-243	1.7	18
84	Thermochromic Hydrogel-Functionalized Textiles for Synchronous Visual Monitoring of On-Demand Drug Release. *ACS Applied Materials & Interfaces*, **2020**, 12, 51225-51235	9.5	18
83	Surface modification of quartz fibres for dental composites through a sol-gel process. *Materials Science and Engineering C*, **2017**, 74, 21-26	8.3	17
82	A flexible metallic actuator using reduced graphene oxide as a multifunctional component. *Nanoscale*, **2017**, 9, 12963-12968	7.7	17
81	Fabrication and magnetic property analysis of monodisperse manganese□inc ferrite nanospheres. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 3203-3206	2.8	17
80	Solvent vapor annealing of oriented PbI2 films for improved crystallization of perovskite films in the air. *Solar Energy Materials and Solar Cells*, **2017**, 166, 167-175	6.4	16
79	Graphene-carbon nanotube papers for energy conversion and storage under sunlight and heat. *Carbon*, **2015**, 95, 150-156	10.4	16
78	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
77	Biocompatible and colloidally stabilized mPEG-PE/calcium phosphate hybrid nanoparticles loaded with siRNAs targeting tumors. *Oncotarget*, **2016**, 7, 2855-66	3.3	16

76	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
75	Hierarchical Porous, Self-Supporting La- and F-Codoped TiO2 with High Durability for Continuous-Flow Visible Light Photocatalysis. *Journal of the American Ceramic Society*, **2010**, 93, 1252	3.8	15
74	Solvent-controlled formation and photoelectrochemical sensing properties of 3-dimensional TiO2 nanostructures. *CrystEngComm*, **2011**, 13, 6258	3.3	15
73	Controllable construction of micro/nanostructured NiO arrays in confined microchannels via microfluidic chemical fabrication for highly efficient and specific absorption of abundant proteins. *Journal of Materials Chemistry B*, **2015**, 3, 4272-4281	7.3	14
72	Preparation of Core/Shell Structured Rutile/Anatase Photocatalyst via Vapor Phase Hydrolysis and its Photocatalytic Degradation of Phenol and Methylene Blue. *Journal of the American Ceramic Society*, **2012**, 95, 1927-1932	3.8	14
71	Highly efficient flexible perovskite solar cells made via ultrasonic vibration assisted room temperature cold sintering. *Chemical Engineering Journal*, **2020**, 394, 124887	14.7	14
70	Metal□Organic Framework-Derived Nickel/Cobalt-Based Nanohybrids for Sensing Non-Enzymatic Glucose. *ChemElectroChem*, **2020**, 7, 4446-4452	4.3	13
69	Antisolvent-Derived Intermediate Phases for Low-Temperature Flexible Perovskite Solar Cells. *ACS Applied Energy Materials*, **2018**, 1, 6477-6486	6.1	13
68	Grain Size and Interface Modification via Cesium Carbonate Post-Treatment for Efficient SnO2-Based Planar Perovskite Solar Cells. *ACS Applied Energy Materials*, **2021**, 4, 7002-7011	6.1	13
67	Self-Powered Interactive Fiber Electronics with Visual-Digital Synergies. *Advanced Materials*, **2021**, 33, e2104681	24	13
66	A strong and flexible electronic vessel for real-time monitoring of temperature, motions and flow. *Nanoscale*, **2017**, 9, 17821-17828	7.7	12
65	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
64	ZnO/Mg□Al layered double hydroxides as strongly adsorptive photocatalysts. *Research on Chemical Intermediates*, **2009**, 35, 685-692	2.8	12
63	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
62	Microfluidic spinning of editable polychromatic fibers. *Journal of Colloid and Interface Science*, **2020**, 558, 115-122	9.3	12
61	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
60	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
59	Synergistic Solvation and Interface Regulations of Eco-Friendly Silk Peptide Additive Enabling Stable Aqueous Zinc-Ion Batteries. *Advanced Functional Materials*,2112693	15.6	11

58	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
57	Enhancement in photoelectric performance of flexible perovskite solar cells by thermal nanoimprint pillar-like nanostructures. *Materials Letters*, **2019**, 248, 16-19	3.3	10
56	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
55	Flow Effects on the Controlled Growth of Nanostructured Networks at Microcapillary Walls for Applications in Continuous Flow Reactions. *ACS Applied Materials & Interfaces*, **2015**, 7, 21580-8	9.5	10
54	Skeleton-Structure WS@CNT Thin-Film Hybrid Electrodes for High-Performance Quasi-Solid-State Flexible Supercapacitors. *Frontiers in Chemistry*, **2020**, 8, 442	5	10
53	Three-dimensional ordered titanium dioxide-zirconium dioxide film-based microfluidic device for efficient on-chip phosphopeptide enrichment. *Journal of Colloid and Interface Science*, **2016**, 478, 227-35	9.3	10
52	Controllable construction of titanium dioxide-zirconium dioxide@zinc hydroxyfluoride networks in micro-capillaries for bio-analysis. *Journal of Colloid and Interface Science*, **2015**, 446, 290-7	9.3	10
51	Anatase TiO2 nanorod arrays as high-performance electron transport layers for perovskite solar cells. *Journal of Alloys and Compounds*, **2020**, 849, 156629	5.7	10
50	Highly efficient walking perovskite solar cells based on thermomechanical polymer films. *Journal of Materials Chemistry A*, **2019**, 7, 26154-26161	13	10
49	High performance stretchable fibrous supercapacitors and flexible strain sensors based on CNTs/MXene-TPU hybrid fibers. *Electrochimica Acta*, **2021**, 395, 139141	6.7	10
48	Laser irradiated self-supporting and flexible 3-dimentional graphene-based film electrode with promising electrochemical properties. *RSC Advances*, **2015**, 5, 47074-47079	3.7	9
47	Fabrication of Hollow Tetrapod-Like TiN Nanostructures and Its Electrochemical Property. *Journal of the American Ceramic Society*, **2012**, 95, 2478-2480	3.8	9
46	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
45	Ultra-stretchable, self-adhesive, transparent, and ionic conductive organohydrogel for flexible sensor. *APL Materials*, **2021**, 9, 011101	5.7	9
44	Solution-processed p-type nanocrystalline CoO films for inverted mixed perovskite solar cells. *Journal of Colloid and Interface Science*, **2020**, 573, 78-86	9.3	8
43	Visibly vapor-responsive structurally colored carbon fibers prepared by an electrophoretic deposition method. *RSC Advances*, **2016**, 6, 16319-16322	3.7	8
42	Formation of the modified ultrafine anatase TiO2 nanoparticles using the nanofiber as a microsized reactor. *CrystEngComm*, **2013**, 15, 1607	3.3	8
41	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

40	Light-driven artificial muscles based on electrospun microfiber yarns. *Science China Technological Sciences*, **2019**, 62, 965-970	3.5	7
39	Enhanced fluorescence and heat dissipation of calcium titanate red phosphor based on silver coating. *Journal of Colloid and Interface Science*, **2015**, 459, 44-52	9.3	7
38	An electrically controllable all-solid-state Au@graphene oxide actuator. *Chemical Communications*, **2016**, 52, 5816-9	5.8	7
37	Scalable fluid-spinning nanowire-based inorganic semiconductor yarns for electrochromic actuators. *Materials Horizons*, **2021**, 8, 1711-1721	14.4	7
36	Solvatochromic structural color fabrics with favorable wearability properties. *Journal of Materials Chemistry C*, **2019**, 7, 4855-4862	7.1	6
35	Water-resistant and underwater adhesive ion-conducting gel for motion-robust bioelectric monitoring. *Chemical Engineering Journal*, **2022**, 431, 134012	14.7	6
34	Controlled preparation of □Bi2O3/Mg□Al mixed metal oxides composites with enhanced visible light photocatalytic performance. *Research on Chemical Intermediates*, **2020**, 46, 5009-5021	2.8	6
33	Interfacial Modification via a 1,4-Butanediamine-Based 2D Capping Layer for Perovskite Solar Cells with Enhanced Stability and Efficiency.. *ACS Applied Materials & Interfaces*, **2021**,	9.5	6
32	High Volumetric Energy Density Asymmetric Fibrous Supercapacitors with Coaxial Structure Based on Graphene/MnO2 Hybrid Fibers. *ChemElectroChem*, **2020**, 7, 4641-4648	4.3	5
31	Enhanced Visible Light-Driven Photocatalytic Performance of La-Doped TiO2□Fx. *Journal of the American Ceramic Society*, **2010**, 93, 25-27	3.8	5
30	Stretchable electrothermochromic fibers based on hierarchical porous structures with electrically conductive dual-pathways. *Science China Materials*, **2020**, 63, 2582-2589	7.1	5
29	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
28	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
27	Synthesis of Mesoporous (Ga1□Znx)(N1□Ox) Using Layered Double Hydroxides as Precursors for Enhanced Visible-Light Driven H2 Production. *Chinese Journal of Chemistry*, **2017**, 35, 196-202	4.9	4
26	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
25	Capillary force driven printing of asymmetric Na-ion micro-supercapacitors. *Journal of Materials Chemistry A*, **2020**, 8, 22083-22089	13	4
24	NiCo□NiCoO2/carbon hollow nanocages for non-enzyme glucose detection. *Electrochimica Acta*, **2021**, 381, 138259	6.7	4
23	High-Performance Ionic Thermoelectric Supercapacitor for Integrated Energy Conversion-Storage. *Energy and Environmental Materials*,	13	4

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