Wei Feng

List of Publications by Citations

137 papers	5,406 citations	43 h-index	67 g-index
148 ext. papers	7,496 ext. citations	10.5 avg, IF	6.48 L-index

#	Paper	IF	Citations
137	Two-Dimensional Fluorinated Graphene: Synthesis, Structures, Properties and Applications. *Advanced Science*, **2016**, 3, 1500413	13.6	323
136	Self-Protective Room-Temperature Phosphorescence of Fluorine and Nitrogen Codoped Carbon Dots. *Advanced Functional Materials*, **2018**, 28, 1800791	15.6	206
135	Azobenzene-based solar thermal fuels: design, properties, and applications. *Chemical Society Reviews*, **2018**, 47, 7339-7368	58.5	188
134	Poly(N-isopropylacrylamide)-based smart hydrogels: Design, properties and applications. *Progress in Materials Science*, **2021**, 115, 100702	42.2	144
133	Carbon-based functional nanomaterials: Preparation, properties and applications. *Composites Science and Technology*, **2019**, 179, 10-40	8.6	130
132	Nitrogen and fluorine co-doped graphene as a high-performance anode material for lithium-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 23095-23105	13	128
131	Solvothermally exfoliated fluorographene for high-performance lithium primary batteries. *Nanoscale*, **2014**, 6, 2634-41	7.7	127
130	Hydrothermal preparation of fluorinated graphene hydrogel for high-performance supercapacitors. *Journal of Power Sources*, **2016**, 312, 146-155	8.9	111
129	Stress Controllability in Thermal and Electrical Conductivity of 3D Elastic Graphene-Crosslinked Carbon Nanotube Sponge/Polyimide Nanocomposite. *Advanced Functional Materials*, **2019**, 29, 1901383	15.6	107
128	Covalent functionalization of graphene by azobenzene with molecular hydrogen bonds for long-term solar thermal storage. *Scientific Reports*, **2013**, 3, 3260	4.9	107
127	Investigation of optical modulated conductance effects based on a graphene oxide–azobenzene hybrid. *Carbon*, **2010**, 48, 3236-3241	10.4	106
126	Hierarchical graphene oxide/polyaniline nanocomposites prepared by interfacial electrochemical polymerization for flexible solid-state supercapacitors. *Journal of Materials Chemistry A*, **2015**, 3, 2135-2143	13	101
125	Free-standing fluorine and nitrogen co-doped graphene paper as a high-performance electrode for flexible sodium-ion batteries. *Carbon*, **2017**, 116, 338-346	10.4	100
124	Efficiently Controlling the 3D Thermal Conductivity of a Polymer Nanocomposite via a Hyperelastic Double-Continuous Network of Graphene and Sponge. *Advanced Functional Materials*, **2018**, 28, 1805053	15.6	100
123	Toward highly thermally conductive all-carbon composites: Structure control. *Carbon*, **2016**, 109, 575-597	10.4	99
122	Three-dimensional interconnected networks for thermally conductive polymer composites: Design, preparation, properties, and mechanisms. *Materials Science and Engineering Reports*, **2020**, 142, 100580	30.9	90
121	Co-pyrolysis behaviors and kinetics of plastics–biomass blends through thermogravimetric analysis. *Journal of Thermal Analysis and Calorimetry*, **2014**, 115, 227-235	4.1	84

120	Photo-responsive carbon nanomaterials functionalized by azobenzene moieties: structures, properties and application. *Nanoscale*, **2012**, 4, 6118-34	7.7	80
119	Frontiers in carbon dots: design, properties and applications. *Materials Chemistry Frontiers*, **2019**, 3, 2571-2601	7.2	75
118	A high energy density azobenzene/graphene hybrid: a nano-templated platform for solar thermal storage. *Journal of Materials Chemistry A*, **2015**, 3, 11787-11795	13	74
117	A solid-state single-ion polymer electrolyte with ultrahigh ionic conductivity for dendrite-free lithium metal batteries. *Energy Storage Materials*, **2019**, 19, 401-407	19.4	71
116	In-Plane Mosaic Potential Growth of Large-Area 2D Layered Semiconductors MoS-MoSe Lateral Heterostructures and Photodetector Application. *ACS Applied Materials & Interfaces*, **2017**, 9, 1684-1691	9.5	63
115	Assembly of graphene-aligned polymer composites for thermal conductive applications. *Composites Communications*, **2018**, 9, 33-41	6.7	63
114	Infrared-actuated recovery of polyurethane filled by reduced graphene oxide/carbon nanotube hybrids with high energy density. *ACS Applied Materials & Interfaces*, **2013**, 5, 10882-8	9.5	63
113	Highly transparent, strong, and flexible fluorographene/fluorinated polyimide nanocomposite films with low dielectric constant. *Journal of Materials Chemistry C*, **2018**, 6, 6378-6384	7.1	62
112	Beyond the Visible: Bioinspired Infrared Adaptive Materials. *Advanced Materials*, **2021**, 33, e2004754	24	58
111	Defective 2D Covalent Organic Frameworks for Postfunctionalization. *Advanced Functional Materials*, **2020**, 30, 1909267	15.6	56
110	Efficient cycling utilization of solar-thermal energy for thermochromic displays with controllable heat output. *Journal of Materials Chemistry A*, **2019**, 7, 97-106	13	56
109	A supramolecular assembly of cross-linked azobenzene/polymers for a high-performance light-driven actuator. *Journal of Materials Chemistry A*, **2015**, 3, 16453-16460	13	55
108	Solid-State Fluorescence of Fluorine-Modified Carbon Nanodots Aggregates Triggered by Poly(ethylene glycol). *ACS Applied Materials & Interfaces*, **2017**, 9, 37981-37990	9.5	53
107	Highly Transparent, Self-Healable, and Adhesive Organogels for Bio-Inspired Intelligent Ionic Skins. *ACS Applied Materials & Interfaces*, **2020**, 12, 15657-15666	9.5	53
106	A sulfonimide-based alternating copolymer as a single-ion polymer electrolyte for high-performance lithium-ion batteries. *Journal of Materials Chemistry A*, **2017**, 5, 22519-22526	13	53
105	High cross-plane thermally conductive hierarchical composite using graphene-coated vertically aligned carbon nanotubes/graphite. *Carbon*, **2019**, 149, 281-289	10.4	52
104	Thermal conductive and flexible silastic composite based on a hierarchical framework of aligned carbon fibers-carbon nanotubes. *Carbon*, **2018**, 131, 149-159	10.4	52
103	Surface passivation of carbon dots with ethylene glycol and their high-sensitivity to Fe3+. *RSC Advances*, **2017**, 7, 2810-2816	3.7	50

102	Enhanced reversible photoswitching of azobenzene-functionalized graphene oxide hybrids. *Langmuir*, **2010**, 26, 18508-11	4	49
101	Self-Healing High Strength and Thermal Conductivity of 3D Graphene/PDMS Composites by the Optimization of Multiple Molecular Interactions. *Macromolecules*, **2020**, 53, 7161-7170	5.5	49
100	Large-Scale Synthesis of a Uniform Film of Bilayer MoS2 on Graphene for 2D Heterostructure Phototransistors. *ACS Applied Materials & Interfaces*, **2016**, 8, 19004-11	9.5	49
99	Transparent and flexible films of horizontally aligned carbon nanotube/polyimide composites with highly anisotropic mechanical, thermal, and electrical properties. *Carbon*, **2016**, 109, 131-140	10.4	48
98	Two-Dimensional High-Quality Monolayered Triangular WS Flakes for Field-Effect Transistors. *ACS Applied Materials & Interfaces*, **2018**, 10, 22435-22444	9.5	46
97	High-energy, stable and recycled molecular solar thermal storage materials using AZO/graphene hybrids by optimizing hydrogen bonds. *Nanoscale*, **2015**, 7, 16214-21	7.7	45
96	Deeply fluorinated multi-wall carbon nanotubes for high energy and power densities lithium/carbon fluorides battery. *Electrochimica Acta*, **2013**, 107, 343-349	6.7	44
95	Preparation of Novel Fluorescent Nanocomposites Based on Au Nanoclusters and Their Application in Targeted Detection of Cancer Cells. *ACS Applied Materials & Interfaces*, **2017**, 9, 44856-44863	9.5	43
94	Liquid metal-created macroporous composite hydrogels with self-healing ability and multiple sensations as artificial flexible sensors. *Journal of Materials Chemistry A*, **2021**, 9, 875-883	13	43
93	Cationic covalent organic framework based all-solid-state electrolytes. *Materials Chemistry Frontiers*, **2020**, 4, 1164-1173	7.8	42
92	Recent Advances in Applying Vulcanization/Inverse Vulcanization Methods to Achieve High-Performance Sulfur-Containing Polymer Cathode Materials for Li–S Batteries. *Small Methods*, **2018**, 2, 1800156	12.8	42
91	Controlling Heat Release from a Close-Packed Bisazobenzene-Reduced-Graphene-Oxide Assembly Film for High-Energy Solid-State Photothermal Fuels. *ChemSusChem*, **2017**, 10, 1395-1404	8.3	41
90	Graphene-based chiral liquid crystal materials for optical applications. *Journal of Materials Chemistry C*, **2019**, 7, 2146-2171	7.1	41
89	Two-dimensional gersiloxenes with tunable bandgap for photocatalytic H evolution and CO photoreduction to CO. *Nature Communications*, **2020**, 11, 1443	17.4	41
88	An energy-dense and thermal-stable bis-azobenzene/hybrid templated assembly for solar thermal fuel. *Journal of Materials Chemistry A*, **2016**, 4, 8020-8028	13	41
87	Ultrahigh-energy-density fluorinated calcinated macadamia nut shell cathodes for lithium/fluorinated carbon batteries. *Carbon*, **2019**, 153, 783-791	10.4	37
86	Light-driven bimorph soft actuators: design, fabrication, and properties. *Materials Horizons*, **2021**, 8, 728-757	14.4	37
85	Cobalt, Nitrogen-Doped Porous Carbon Nanosheet-Assembled Flowers from Metal-Coordinated Covalent Organic Polymers for Efficient Oxygen Reduction. *ACS Applied Materials & Interfaces*, **2019**, 11, 1384-1393	9.5	36

84	Structural and Dimensional Transformations between Covalent Organic Frameworks via Linker Exchange. *Macromolecules*, **2019**, 52, 1257-1265	5.5	35
83	Stimulus-driven liquid metal and liquid crystal network actuators for programmable soft robotics. *Materials Horizons*, **2021**, 8, 2475-2484	14.4	35
82	Synthesis of photoresponsive azobenzene chromophore-modified multi-walled carbon nanotubes. *Carbon*, **2007**, 45, 2445-2448	10.4	34
81	Thermally conductive, self-healing, and elastic Polyimide@Vertically aligned carbon nanotubes composite as smart thermal interface material. *Carbon*, **2021**, 179, 348-357	10.4	34
80	Stress-sensitive thermally conductive elastic nanocomposite based on interconnected graphite-welded carbon nanotube sponges. *Carbon*, **2019**, 145, 378-388	10.4	34
79	Nitrogen and fluorine co-doped holey graphene hydrogel as a binder-free electrode material for flexible solid-state supercapacitors. *Sustainable Energy and Fuels*, **2019**, 3, 2237-2245	5.8	33
78	Controllable and Stable Deformation of a Self-Healing Photo-Responsive Supramolecular Assembly for an Optically Actuated Manipulator Arm. *ACS Applied Materials & Interfaces*, **2018**, 10, 29909-29917	9.5	33
77	Three-Dimensional Multilayer Assemblies of MoS2/Reduced Graphene Oxide for High-Performance Lithium Ion Batteries. *Particle and Particle Systems Characterization*, **2015**, 32, 489-497	3.1	32
76	Tetracarboxylated Azobenzene/Polymer Supramolecular Assemblies as High-Performance Multiresponsive Actuators. *ACS Applied Materials & Interfaces*, **2017**, 9, 4066-4073	9.5	31
75	Electrolyte-Solvent-Modified Alternating Copolymer as a Single-Ion Solid Polymer Electrolyte for High-Performance Lithium Metal Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 35683-35692	9.5	31
74	The tunable electrochemical performances of carbon fluorides/manganese dioxide hybrid cathodes by their arrangements. *Journal of Power Sources*, **2015**, 274, 1292-1299	8.9	31
73	Local hydrodynamics modeling of a gas□liquid□solid three-phase bubble column. *AICHE Journal*, **2007**, 53, 2221-2231	3.6	31
72	Sonication-assisted liquid-phase exfoliated □GeTe: a two-dimensional material with high Fe sensitivity. *Nanoscale*, **2018**, 10, 15989-15997	7.7	30
71	Optically Triggered Synchronous Heat Release of Phase-Change Enthalpy and Photo-Thermal Energy in Phase-Change Materials at Low Temperatures. *Advanced Functional Materials*, **2021**, 31, 2008496	15.6	28
70	Reduced graphene oxide doped predominantly with CF groups as a superior anode material for long-life lithium-ion batteries. *Chemical Communications*, **2018**, 54, 2727-2730	5.8	26
69	Nanocellulose-Based Functional Materials: From Chiral Photonics to Soft Actuator and Energy Storage. *Advanced Functional Materials*,2104991	15.6	26
68	The light-switching conductance of an anisotropic azobenzene-based polymer close-packed on horizontally aligned carbon nanotubes. *Journal of Materials Chemistry C*, **2017**, 5, 5068-5075	7.1	25
67	Contact Engineering of Molybdenum Ditelluride Field Effect Transistors through Rapid Thermal Annealing. *ACS Applied Materials & Interfaces*, **2017**, 9, 30107-30114	9.5	25

66	Two-dimensional large-scale bandgap-tunable monolayer MoS2(1−x)Se2x/graphene heterostructures for phototransistors. *Journal of Materials Chemistry C*, **2017**, 5, 5887-5896	7.1	24
65	Modeling of local dynamic behavior of phenol degradation in an internal loop airlift bioreactor by yeast Candida tropicalis. *Biotechnology and Bioengineering*, **2007**, 97, 251-64	4.9	24
64	Two-dimensional nanomaterials with engineered bandgap: Synthesis, properties, applications. *Nano Today*, **2021**, 37, 101059	17.9	24
63	Covalent functionalization of fluorinated graphene through activation of dormant radicals for water-based lubricants. *Carbon*, **2020**, 167, 826-834	10.4	22
62	Local Hydrodynamics Modeling of a Gas−Liquid−Solid Three-Phase Airlift Loop Reactor. *Industrial & Engineering Chemistry Research*, **2007**, 46, 5210-5220	3.9	22
61	Single Li ion conducting solid-state polymer electrolytes based on carbon quantum dots for Li-metal batteries. *Nano Energy*, **2021**, 82, 105698	17.1	22
60	Room temperature stable helical blue phase enabled by a photo-polymerizable bent-shaped material. *Journal of Materials Chemistry C*, **2017**, 5, 690-696	7.1	21
59	Molecular regulation of nano-structured solid-state AZO-SWCNTs assembly film for the high-energy and short-term solar thermal storage. *Solar Energy Materials and Solar Cells*, **2019**, 193, 198-205	6.4	21
58	Solar Thermal Storage and Room-Temperature Fast Release Using a Uniform Flexible Azobenzene-Grafted Polynorborene Film Enhanced by Stretching. *Macromolecules*, **2019**, 52, 4222-4231	5.5	20
57	Azobenzene/graphene hybrid for high-density solar thermal storage by optimizing molecular structure. *Science China Technological Sciences*, **2016**, 59, 1383-1390	3.5	20
56	The electrochemical performances of fluorinated hard carbon as the cathode of lithium primary batteries. *Composites Communications*, **2020**, 21, 100396	6.7	19
55	Fluorine and Nitrogen Dual-Doped Porous Carbon Nanosheet-Enabled Compact Electrode Structure for High Volumetric Energy Storage. *ACS Applied Energy Materials*, **2020**, 3, 4949-4957	6.1	19
54	Mechanochromic, Shape-Programmable and Self-Healable Cholesteric Liquid Crystal Elastomers Enabled by Dynamic Covalent Boronic Ester Bonds.. *Angewandte Chemie - International Edition*, **2021**,	16.4	19
53	Transparent conductive graphene films prepared by hydroiodic acid and thermal reduction. *Chinese Physics B*, **2014**, 23, 028103	1.2	18
52	Solid-state high-power photo heat output of 4-((3,5-dimethoxyaniline)-diazenyl)-2-imidazole/graphene film for thermally controllable dual data encoding/reading. *Energy Storage Materials*, **2020**, 24, 662-669	19.4	18
51	Bioinspired Color-Changing Photonic Polymer Coatings Based on Three-Dimensional Blue Phase Liquid Crystal Networks. *ACS Applied Materials & Interfaces*, **2021**, 13, 41102-41111	9.5	18
50	Recent Advances in Fluorinated Graphene from Synthesis to Applications: Critical Review on Functional Chemistry and Structure Engineering. *Advanced Materials*, **2021**, e2101665	24	17
49	Alkyl-grafted azobenzene molecules for photo-induced heat storage and release via integration function of phase change and photoisomerization. *Composites Communications*, **2020**, 21, 100402	6.7	17

48	Guiding Uniformly Distributed Li-Ion Flux by Lithiophilic Covalent Organic Framework Interlayers for High-Performance Lithium Metal Anodes. *ACS Applied Materials & Interfaces*, **2021**, 13, 22586-22596	9.5	17
47	Different graphene layers to enhance or prevent corrosion of polycrystalline copper.. *RSC Advances*, **2018**, 8, 15181-15187	3.7	16
46	Bioinspired Phototropic MXene-Reinforced Soft Tubular Actuators for Omnidirectional Light-Tracking and Adaptive Photovoltaics. *Advanced Functional Materials*,2201884	15.6	16
45	Structural Design and Application of Azo-based Supramolecular Polymer Systems. *Chinese Journal of Polymer Science (English Edition)*, **2019**, 37, 1183-1199	3.5	15
44	Few-layer methyl-terminated germanene–graphene nanocomposite with high capacity for stable lithium storage. *Carbon*, **2020**, 161, 287-298	10.4	15
43	Using multiple hydrogen bonding cross-linkers to access reversibly responsive three dimensional graphene oxide architecture. *Nanoscale*, **2016**, 8, 14139-45	7.7	14
42	Photothermal storage and controllable release of a phase-change azobenzene/aluminum nitride aerogel composite. *Composites Communications*, **2021**, 23, 100575	6.7	14
41	Azobenzene-based solar thermal energy storage enhanced by gold nanoparticles for rapid, optically-triggered heat release at room temperature. *Journal of Materials Chemistry A*, **2020**, 8, 18668-18676	13	13
40	Photo- and Thermosensitive Polymer Membrane with a Tunable Microstructure Doped with Graphene Oxide Nanosheets and Poly(-isopropylacrylamide) for the Application of Light-Cleaning. *ACS Applied Materials & Interfaces*, **2020**, 12, 14352-14364	9.5	12
39	In-situ generation of fluorinated polycarbonate copolymer solid electrolytes for high-voltage Li-metal batteries. *Energy Storage Materials*, **2022**, 45, 474-483	19.4	12
38	A low cost ultra-microporous carbon scaffold with confined chain-like sulfur molecules as a superior cathode for lithium–sulfur batteries. *Sustainable Energy and Fuels*, **2018**, 2, 2187-2196	5.8	12
37	Tetraphenylethylene@Graphene Oxide with Switchable Fluorescence Triggered by Mixed Solvents for the Application of Repeated Information Encryption and Decryption. *ACS Applied Materials & Interfaces*, **2019**, 11, 35255-35263	9.5	11
36	Three-dimensional Covalent Organic Frameworks as Host Materials for Lithium-Sulfur Batteries. *Chinese Journal of Polymer Science (English Edition)*, **2020**, 38, 550-557	3.5	11
35	Photoinduced anisotropic response of azobenzene chromophore functionalized multiwalled carbon nanotubes. *Journal of Applied Physics*, **2007**, 102, 053102	2.5	11
34	Thermal-assisted self-assembly: a self-adaptive strategy towards large-area uniaxial organic single-crystalline microribbon arrays. *Nanoscale*, **2019**, 11, 12781-12787	7.7	10
33	Evaporable Glass-State Molecule-Assisted Transfer of Clean and Intact Graphene onto Arbitrary Substrates. *ACS Applied Materials & Interfaces*, **2019**, 11, 16272-16279	9.5	10
32	4D-printed untethered self-propelling soft robot with tactile perception: Rolling, racing, and exploring. *Matter*, **2021**, 4, 3313-3326	12.7	10
31	Unidirectional and crystalline organic semiconductor microwire arrays by solvent vapor annealing with PMMA as the assisting layer. *Journal of Materials Chemistry C*, **2018**, 6, 12479-12483	7.1	10

30	Cross-linked Single-Ion Solid Polymer Electrolytes with Alternately Distributed Lithium Sources and Ion-Conducting Segments for Lithium Metal Batteries. *Macromolecules*,	5.5	9
29	Reversible Modification of Nitrogen-Doped Graphene Based on Se-N Dynamic Covalent Bonds for Field-Effect Transistors. *ACS Applied Materials & Interfaces*, **2019**, 11, 24360-24366	9.5	8
28	Polarization-induced alignment of azobenzene/fluorinated polyimide for three-dimensional shape-persistent and photo-responsive elastic helixes. *Composites Science and Technology*, **2019**, 169, 158-166	8.6	8
27	Copolymers of aniline and 2-aminoterephthalic acid as a novel cathode material for hybrid supercapacitors. *RSC Advances*, **2017**, 7, 8762-8770	3.7	7
26	Modeling for local dynamic behaviors of phenol biodegradation in bubble columns. *AICHE Journal*, **2006**, 52, 2864-2875	3.6	7
25	Giant Enhancement of Fluorescence Emission by Fluorination of Porous Graphene with High Defect Density and Subsequent Application as Fe Ion Sensors. *ACS Applied Materials & Interfaces*, **2020** , 12, 40662-40672	9.5	7
24	Anisotropic conductive networks for multidimensional sensing. *Materials Horizons*, **2021**, 8, 2615-2653	14.4	7
23	3D Interconnected Conductive Graphite Nanoplatelet Welded Carbon Nanotube Networks for Stretchable Conductors. *Advanced Functional Materials*,2107082	15.6	7
22	Amorphous red phosphorus incorporated with pyrolyzed bacterial cellulose as a free-standing anode for high-performance lithium ion batteries.. *RSC Advances*, **2018**, 8, 17325-17333	3.7	6
21	2D molecular crystal templated organic p□ heterojunctions for high-performance ambipolar organic field-effect transistors. *Journal of Materials Chemistry C*, **2021**, 9, 5758-5764	7.1	6
20	Utilisation of photo-thermal energy and bond enthalpy based on optically triggered formation and dissociation of coordination bonds. *Nano Energy*, **2021**, 89, 106401	17.1	6
19	Tetradic double-network physical crosslinking hydrogels with synergistic high stretchable, self-healing, adhesive, and strain-sensitive properties. *Journal of Materials Science and Technology*, **2022**, 98, 169-176	9.1	6
18	High-energy and light-actuated phase change composite for solar energy storage and heat release. *Surfaces and Interfaces*, **2021**, 24, 101071	4.1	5
17	Fluorinated graphene nanoribbons from unzipped single-walled carbon nanotubes for ultrahigh energy density lithium-fluorinated carbon batteries. *Science China Materials*, **2021**, 64, 1367-1377	7.1	5
16	Formed Weave Cage-Like Nanostructure Wrapped Mesoporous Micron Silicon Anode for Enhanced Stable Lithium-Ion Battery. *ACS Applied Materials & Interfaces*, **2021**, 13, 29726-29736	9.5	4
15	Highly thermally conductive polymer composite enhanced by two-level adjustable boron nitride network with leaf venation structure. *Composites Science and Technology*, **2022**, 222, 109406	8.6	4
14	Highly efficient modulation of the electronic properties of organic semiconductors by surface doping with 2D molecular crystals. *Science China Chemistry*, **2020**, 63, 973-979	7.9	3
13	Two-Dimensional GeTe: Air Stability and Photocatalytic Performance for Hydrogen Evolution. *ACS Applied Materials & Interfaces*, **2020**, 12, 37108-37115	9.5	3

12	Production of highly-oriented graphite monoliths with high thermal conductivity. *Chemical Engineering Journal*, **2022**, 431, 134102	14.7	3
11	Maximized lithiophilic carbonyl units in covalent organic frameworks as effective Li ion regulators for lithium metal batteries. *Chemical Engineering Journal*, **2022**, 437, 135293	14.7	3
10	Near-Infrared Light-Driven Three-Dimensional Soft Photonic Crystals Loaded with Upconversion Nanoparticles. *Advanced Optical Materials*,2102475	8.1	2
9	Improved thermal conductivities of vertically aligned carbon nanotube arrays using three-dimensional carbon nanotube networks. *Carbon*, **2022**, 196, 902-912	10.4	2
8	Fluorine-Doped Hard Carbon as the Advanced Performance Anode Material of Sodium-Ion Batteries. *Transactions of Tianjin University*,1	2.9	1
7	Soft template-assisted self-assembly: a general strategy toward two-dimensional molecular crystals for high-performance organic field-effect transistors. *Journal of Materials Chemistry C*,	7.1	1
6	Fluorination-enabled interface of PtNi electrocatalysts for high-performance high-temperature proton exchange membrane fuel cells. *Science China Materials*,1	7.1	1
5	Spontaneous power generation from broad-humidity atmospheres through heterostructured F/O-bonded graphene monoliths. *Nano Energy*, **2022**, 91, 106605	17.1	1
4	Broadband self-powered photoelectrochemical photodetector based on Te/Se heterostructure nanocomposites. *Composites Communications*, **2022**, 32, 101175	6.7	1
3	Metallic-Ion Controlled Dynamic Bonds to Co-Harvest Isomerization Energy and Bond Enthalpy for High-Energy Output of Flexible Self-Heated Textile.. *Advanced Science*, **2022**, e2201657	13.6	0
2	Three-dimensional boron nitride network/polyvinyl alcohol composite hydrogel with solid-liquid interpenetrating heat conduction network for thermal management. *Journal of Materials Science and Technology*, **2022**, 127, 183-191	9.1	0
1	Visible Light-Driven Alkyne-Grafted Ethylene-Bridged Azobenzene Chromophores for Photothermal Utilization. *Molecules*, **2022**, 27, 3296	4.8	0