

Wei Feng

List of Publications by Year in Descending Order

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Version: 2024-04-24

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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.

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	In-situ generation of fluorinated polycarbonate copolymer solid electrolytes for high-voltage Li-metal batteries. <i>Energy Storage Materials</i> , 2022 , 45, 474-483	19.4	12
136	Production of highly-oriented graphite monoliths with high thermal conductivity. <i>Chemical Engineering Journal</i> , 2022 , 431, 134102	14.7	3
135	Spontaneous power generation from broad-humidity atmospheres through heterostructured F/O-bonded graphene monoliths. <i>Nano Energy</i> , 2022 , 91, 106605	17.1	1
134	Tetradic double-network physical crosslinking hydrogels with synergistic high stretchable, self-healing, adhesive, and strain-sensitive properties. <i>Journal of Materials Science and Technology</i> , 2022 , 98, 169-176	9.1	6
133	Highly thermally conductive polymer composite enhanced by two-level adjustable boron nitride network with leaf venation structure. <i>Composites Science and Technology</i> , 2022 , 222, 109406	8.6	4
132	Maximized lithiophilic carbonyl units in covalent organic frameworks as effective Li ion regulators for lithium metal batteries. <i>Chemical Engineering Journal</i> , 2022 , 437, 135293	14.7	3
131	Metallic-Ion Controlled Dynamic Bonds to Co-Harvest Isomerization Energy and Bond Enthalpy for High-Energy Output of Flexible Self-Heated Textile.. <i>Advanced Science</i> , 2022 , e2201657	13.6	0
130	Broadband self-powered photoelectrochemical photodetector based on Te/Se heterostructure nanocomposites. <i>Composites Communications</i> , 2022 , 32, 101175	6.7	1
129	Three-dimensional boron nitride network/polyvinyl alcohol composite hydrogel with solid-liquid interpenetrating heat conduction network for thermal management. <i>Journal of Materials Science and Technology</i> , 2022 , 127, 183-191	9.1	0
128	Visible Light-Driven Alkyne-Grafted Ethylene-Bridged Azobenzene Chromophores for Photothermal Utilization. <i>Molecules</i> , 2022 , 27, 3296	4.8	0
127	Improved thermal conductivities of vertically aligned carbon nanotube arrays using three-dimensional carbon nanotube networks. <i>Carbon</i> , 2022 , 196, 902-912	10.4	2
126	Mechanochromic, Shape-Programmable and Self-Healable Cholesteric Liquid Crystal Elastomers Enabled by Dynamic Covalent Boronic Ester Bonds.. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	19
125	Recent Advances in Fluorinated Graphene from Synthesis to Applications: Critical Review on Functional Chemistry and Structure Engineering. <i>Advanced Materials</i> , 2021 , e2101665	24	17
124	4D-printed untethered self-propelling soft robot with tactile perception: Rolling, racing, and exploring. <i>Matter</i> , 2021 , 4, 3313-3326	12.7	10
123	Two-dimensional nanomaterials with engineered bandgap: Synthesis, properties, applications. <i>Nano Today</i> , 2021 , 37, 101059	17.9	24
122	Guiding Uniformly Distributed Li-Ion Flux by Lithiophilic Covalent Organic Framework Interlayers for High-Performance Lithium Metal Anodes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 22586-22596	9.5	17
121	Formed Weave Cage-Like Nanostructure Wrapped Mesoporous Micron Silicon Anode for Enhanced Stable Lithium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 29726-29736	9.5	4

120	High-energy and light-actuated phase change composite for solar energy storage and heat release. <i>Surfaces and Interfaces</i> , 2021 , 24, 101071	4.1	5
119	Thermally conductive, self-healing, and elastic Polyimide@Vertically aligned carbon nanotubes composite as smart thermal interface material. <i>Carbon</i> , 2021 , 179, 348-357	10.4	34
118	Poly(N-isopropylacrylamide)-based smart hydrogels: Design, properties and applications. <i>Progress in Materials Science</i> , 2021 , 115, 100702	42.2	144
117	Light-driven bimorph soft actuators: design, fabrication, and properties. <i>Materials Horizons</i> , 2021 , 8, 728-757	14.7	37
116	Optically Triggered Synchronous Heat Release of Phase-Change Enthalpy and Photo-Thermal Energy in Phase-Change Materials at Low Temperatures. <i>Advanced Functional Materials</i> , 2021 , 31, 2008496	15.6	28
115	Photothermal storage and controllable release of a phase-change azobenzene/aluminum nitride aerogel composite. <i>Composites Communications</i> , 2021 , 23, 100575	6.7	14
114	Liquid metal-created macroporous composite hydrogels with self-healing ability and multiple sensations as artificial flexible sensors. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 875-883	13	43
113	Single Li ion conducting solid-state polymer electrolytes based on carbon quantum dots for Li-metal batteries. <i>Nano Energy</i> , 2021 , 82, 105698	17.1	22
112	Stimulus-driven liquid metal and liquid crystal network actuators for programmable soft robotics. <i>Materials Horizons</i> , 2021 , 8, 2475-2484	14.4	35
111	Anisotropic conductive networks for multidimensional sensing. <i>Materials Horizons</i> , 2021 , 8, 2615-2653	14.4	7
110	Fluorinated graphene nanoribbons from unzipped single-walled carbon nanotubes for ultrahigh energy density lithium-fluorinated carbon batteries. <i>Science China Materials</i> , 2021 , 64, 1367-1377	7.1	5
109	2D molecular crystal templated organic p-n heterojunctions for high-performance ambipolar organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 5758-5764	7.1	6
108	Beyond the Visible: Bioinspired Infrared Adaptive Materials. <i>Advanced Materials</i> , 2021 , 33, e2004754	24	58
107	Bioinspired Color-Changing Photonic Polymer Coatings Based on Three-Dimensional Blue Phase Liquid Crystal Networks. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 41102-41111	9.5	18
106	Utilisation of photo-thermal energy and bond enthalpy based on optically triggered formation and dissociation of coordination bonds. <i>Nano Energy</i> , 2021 , 89, 106401	17.1	6
105	Highly efficient modulation of the electronic properties of organic semiconductors by surface doping with 2D molecular crystals. <i>Science China Chemistry</i> , 2020 , 63, 973-979	7.9	3
104	Covalent functionalization of fluorinated graphene through activation of dormant radicals for water-based lubricants. <i>Carbon</i> , 2020 , 167, 826-834	10.4	22
103	Highly Transparent, Self-Healable, and Adhesive Organogels for Bio-Inspired Intelligent Ionic Skins. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 15657-15666	9.5	53

102	Three-dimensional Covalent Organic Frameworks as Host Materials for Lithium-Sulfur Batteries. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020 , 38, 550-557	3.5	11
101	Two-dimensional gersiloxenes with tunable bandgap for photocatalytic H evolution and CO photoreduction to CO. <i>Nature Communications</i> , 2020 , 11, 1443	17.4	41
100	Photo- and Thermosensitive Polymer Membrane with a Tunable Microstructure Doped with Graphene Oxide Nanosheets and Poly(-isopropylacrylamide) for the Application of Light-Cleaning. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 14352-14364	9.5	12
99	Two-Dimensional GeTe: Air Stability and Photocatalytic Performance for Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 37108-37115	9.5	3
98	The electrochemical performances of fluorinated hard carbon as the cathode of lithium primary batteries. <i>Composites Communications</i> , 2020 , 21, 100396	6.7	19
97	Few-layer methyl-terminated germanene-graphene nanocomposite with high capacity for stable lithium storage. <i>Carbon</i> , 2020 , 161, 287-298	10.4	15
96	Defective 2D Covalent Organic Frameworks for Postfunctionalization. <i>Advanced Functional Materials</i> , 2020 , 30, 1909267	15.6	56
95	Cationic covalent organic framework based all-solid-state electrolytes. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1164-1173	7.8	42
94	Fluorine and Nitrogen Dual-Doped Porous Carbon Nanosheet-Enabled Compact Electrode Structure for High Volumetric Energy Storage. <i>ACS Applied Energy Materials</i> , 2020 , 3, 4949-4957	6.1	19
93	Three-dimensional interconnected networks for thermally conductive polymer composites: Design, preparation, properties, and mechanisms. <i>Materials Science and Engineering Reports</i> , 2020 , 142, 100580	30.9	90
92	Self-Healing High Strength and Thermal Conductivity of 3D Graphene/PDMS Composites by the Optimization of Multiple Molecular Interactions. <i>Macromolecules</i> , 2020 , 53, 7161-7170	5.5	49
91	Alkyl-grafted azobenzene molecules for photo-induced heat storage and release via integration function of phase change and photoisomerization. <i>Composites Communications</i> , 2020 , 21, 100402	6.7	17
90	Azobenzene-based solar thermal energy storage enhanced by gold nanoparticles for rapid, optically-triggered heat release at room temperature. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 18668-18676	13.76	13
89	Giant Enhancement of Fluorescence Emission by Fluorination of Porous Graphene with High Defect Density and Subsequent Application as Fe Ion Sensors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 40662-40672	9.5	7
88	Solid-state high-power photo heat output of 4-((3,5-dimethoxyaniline)-diazanyl)-2-imidazole/graphene film for thermally controllable dual data encoding/reading. <i>Energy Storage Materials</i> , 2020 , 24, 662-669	19.4	18
87	Tetraphenylethylene@Graphene Oxide with Switchable Fluorescence Triggered by Mixed Solvents for the Application of Repeated Information Encryption and Decryption. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 35255-35263	9.5	11
86	Electrolyte-Solvent-Modified Alternating Copolymer as a Single-Ion Solid Polymer Electrolyte for High-Performance Lithium Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 35683-35692	9.5	31
85	Structural Design and Application of Azo-based Supramolecular Polymer Systems. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2019 , 37, 1183-1199	3.5	15

84	Graphene-based chiral liquid crystal materials for optical applications. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 2146-2171	7.1	41
83	Structural and Dimensional Transformations between Covalent Organic Frameworks via Linker Exchange. <i>Macromolecules</i> , 2019 , 52, 1257-1265	5.5	35
82	Solar Thermal Storage and Room-Temperature Fast Release Using a Uniform Flexible Azobenzene-Grafted Polynorborene Film Enhanced by Stretching. <i>Macromolecules</i> , 2019 , 52, 4222-4231	5.5	20
81	Thermal-assisted self-assembly: a self-adaptive strategy towards large-area uniaxial organic single-crystalline microribbon arrays. <i>Nanoscale</i> , 2019 , 11, 12781-12787	7.7	10
80	Reversible Modification of Nitrogen-Doped Graphene Based on Se-N Dynamic Covalent Bonds for Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 24360-24366	9.5	8
79	Nitrogen and fluorine co-doped holey graphene hydrogel as a binder-free electrode material for flexible solid-state supercapacitors. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 2237-2245	5.8	33
78	High cross-plane thermally conductive hierarchical composite using graphene-coated vertically aligned carbon nanotubes/graphite. <i>Carbon</i> , 2019 , 149, 281-289	10.4	52
77	Evaporable Glass-State Molecule-Assisted Transfer of Clean and Intact Graphene onto Arbitrary Substrates. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 16272-16279	9.5	10
76	Carbon-based functional nanomaterials: Preparation, properties and applications. <i>Composites Science and Technology</i> , 2019 , 179, 10-40	8.6	130
75	A solid-state single-ion polymer electrolyte with ultrahigh ionic conductivity for dendrite-free lithium metal batteries. <i>Energy Storage Materials</i> , 2019 , 19, 401-407	19.4	71
74	Stress Controllability in Thermal and Electrical Conductivity of 3D Elastic Graphene-Crosslinked Carbon Nanotube Sponge/Polyimide Nanocomposite. <i>Advanced Functional Materials</i> , 2019 , 29, 1901383	15.6	107
73	Ultrahigh-energy-density fluorinated calcinated macadamia nut shell cathodes for lithium/fluorinated carbon batteries. <i>Carbon</i> , 2019 , 153, 783-791	10.4	37
72	Molecular regulation of nano-structured solid-state AZO-SWCNTs assembly film for the high-energy and short-term solar thermal storage. <i>Solar Energy Materials and Solar Cells</i> , 2019 , 193, 198-205	6.4	21
71	Frontiers in carbon dots: design, properties and applications. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 2571-2601	7.5	75
70	Efficient cycling utilization of solar-thermal energy for thermochromic displays with controllable heat output. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 97-106	13	56
69	Polarization-induced alignment of azobenzene/fluorinated polyimide for three-dimensional shape-persistent and photo-responsive elastic helices. <i>Composites Science and Technology</i> , 2019 , 169, 158-166	8.6	8
68	Stress-sensitive thermally conductive elastic nanocomposite based on interconnected graphite-welded carbon nanotube sponges. <i>Carbon</i> , 2019 , 145, 378-388	10.4	34
67	Cobalt, Nitrogen-Doped Porous Carbon Nanosheet-Assembled Flowers from Metal-Coordinated Covalent Organic Polymers for Efficient Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 1384-1393	9.5	36

66	Reduced graphene oxide doped predominantly with CF groups as a superior anode material for long-life lithium-ion batteries. <i>Chemical Communications</i> , 2018 , 54, 2727-2730	5.8	26
65	Highly transparent, strong, and flexible fluorographene/fluorinated polyimide nanocomposite films with low dielectric constant. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 6378-6384	7.1	62
64	Assembly of graphene-aligned polymer composites for thermal conductive applications. <i>Composites Communications</i> , 2018 , 9, 33-41	6.7	63
63	Different graphene layers to enhance or prevent corrosion of polycrystalline copper.. <i>RSC Advances</i> , 2018 , 8, 15181-15187	3.7	16
62	Thermal conductive and flexible silastic composite based on a hierarchical framework of aligned carbon fibers-carbon nanotubes. <i>Carbon</i> , 2018 , 131, 149-159	10.4	52
61	Self-Protective Room-Temperature Phosphorescence of Fluorine and Nitrogen Codoped Carbon Dots. <i>Advanced Functional Materials</i> , 2018 , 28, 1800791	15.6	206
60	Controllable and Stable Deformation of a Self-Healing Photo-Responsive Supramolecular Assembly for an Optically Actuated Manipulator Arm. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 29909-29917	9.5	33
59	Amorphous red phosphorus incorporated with pyrolyzed bacterial cellulose as a free-standing anode for high-performance lithium ion batteries.. <i>RSC Advances</i> , 2018 , 8, 17325-17333	3.7	6
58	Two-Dimensional High-Quality Monolayered Triangular WS Flakes for Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 22435-22444	9.5	46
57	Recent Advances in Applying Vulcanization/Inverse Vulcanization Methods to Achieve High-Performance Sulfur-Containing Polymer Cathode Materials for LiS Batteries. <i>Small Methods</i> , 2018 , 2, 1800156	12.8	42
56	Unidirectional and crystalline organic semiconductor microwire arrays by solvent vapor annealing with PMMA as the assisting layer. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 12479-12483	7.1	10
55	Efficiently Controlling the 3D Thermal Conductivity of a Polymer Nanocomposite via a Hyperelastic Double-Continuous Network of Graphene and Sponge. <i>Advanced Functional Materials</i> , 2018 , 28, 1805053	15.6	100
54	Azobenzene-based solar thermal fuels: design, properties, and applications. <i>Chemical Society Reviews</i> , 2018 , 47, 7339-7368	58.5	188
53	A low cost ultra-microporous carbon scaffold with confined chain-like sulfur molecules as a superior cathode for lithium-sulfur batteries. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 2187-2196	5.8	12
52	Sonication-assisted liquid-phase exfoliated HgTe: a two-dimensional material with high Fe sensitivity. <i>Nanoscale</i> , 2018 , 10, 15989-15997	7.7	30
51	Surface passivation of carbon dots with ethylene glycol and their high-sensitivity to Fe ³⁺ . <i>RSC Advances</i> , 2017 , 7, 2810-2816	3.7	50
50	Tetracarboxylated Azobenzene/Polymer Supramolecular Assemblies as High-Performance Multiresponsive Actuators. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 4066-4073	9.5	31
49	Copolymers of aniline and 2-aminoterephthalic acid as a novel cathode material for hybrid supercapacitors. <i>RSC Advances</i> , 2017 , 7, 8762-8770	3.7	7

48	Free-standing fluorine and nitrogen co-doped graphene paper as a high-performance electrode for flexible sodium-ion batteries. <i>Carbon</i> , 2017 , 116, 338-346	10.4	100
47	Two-dimensional large-scale bandgap-tunable monolayer MoS ₂ (1-x)Se _{2x} /graphene heterostructures for phototransistors. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 5887-5896	7.1	24
46	The light-switching conductance of an anisotropic azobenzene-based polymer close-packed on horizontally aligned carbon nanotubes. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 5068-5075	7.1	25
45	In-Plane Mosaic Potential Growth of Large-Area 2D Layered Semiconductors MoS-MoSe Lateral Heterostructures and Photodetector Application. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 1684-1691	9.5	63
44	Room temperature stable helical blue phase enabled by a photo-polymerizable bent-shaped material. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 690-696	7.1	21
43	Controlling Heat Release from a Close-Packed Bisazobenzene-Reduced-Graphene-Oxide Assembly Film for High-Energy Solid-State Photothermal Fuels. <i>ChemSusChem</i> , 2017 , 10, 1395-1404	8.3	41
42	Solid-State Fluorescence of Fluorine-Modified Carbon Nanodots Aggregates Triggered by Poly(ethylene glycol). <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 37981-37990	9.5	53
41	A sulfonimide-based alternating copolymer as a single-ion polymer electrolyte for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 22519-22526	13	53
40	Contact Engineering of Molybdenum Ditelluride Field Effect Transistors through Rapid Thermal Annealing. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 30107-30114	9.5	25
39	Preparation of Novel Fluorescent Nanocomposites Based on Au Nanoclusters and Their Application in Targeted Detection of Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 44856-44863	9.5	43
38	Toward highly thermally conductive all-carbon composites: Structure control. <i>Carbon</i> , 2016 , 109, 575-597	10.4	99
37	Using multiple hydrogen bonding cross-linkers to access reversibly responsive three dimensional graphene oxide architecture. <i>Nanoscale</i> , 2016 , 8, 14139-45	7.7	14
36	Hydrothermal preparation of fluorinated graphene hydrogel for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2016 , 312, 146-155	8.9	111
35	Large-Scale Synthesis of a Uniform Film of Bilayer MoS ₂ on Graphene for 2D Heterostructure Phototransistors. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 19004-11	9.5	49
34	Azobenzene/graphene hybrid for high-density solar thermal storage by optimizing molecular structure. <i>Science China Technological Sciences</i> , 2016 , 59, 1383-1390	3.5	20
33	An energy-dense and thermal-stable bis-azobenzene/hybrid templated assembly for solar thermal fuel. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 8020-8028	13	41
32	Transparent and flexible films of horizontally aligned carbon nanotube/polyimide composites with highly anisotropic mechanical, thermal, and electrical properties. <i>Carbon</i> , 2016 , 109, 131-140	10.4	48
31	Two-Dimensional Fluorinated Graphene: Synthesis, Structures, Properties and Applications. <i>Advanced Science</i> , 2016 , 3, 1500413	13.6	323

30	High-energy, stable and recycled molecular solar thermal storage materials using AZO/graphene hybrids by optimizing hydrogen bonds. <i>Nanoscale</i> , 2015 , 7, 16214-21	7.7	45
29	The tunable electrochemical performances of carbon fluorides/manganese dioxide hybrid cathodes by their arrangements. <i>Journal of Power Sources</i> , 2015 , 274, 1292-1299	8.9	31
28	A supramolecular assembly of cross-linked azobenzene/polymers for a high-performance light-driven actuator. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16453-16460	13	55
27	A high energy density azobenzene/graphene hybrid: a nano-templated platform for solar thermal storage. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11787-11795	13	74
26	Nitrogen and fluorine co-doped graphene as a high-performance anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 23095-23105	13	128
25	Hierarchical graphene oxide/polyaniline nanocomposites prepared by interfacial electrochemical polymerization for flexible solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2135-2143	12.3	101
24	Three-Dimensional Multilayer Assemblies of MoS ₂ /Reduced Graphene Oxide for High-Performance Lithium Ion Batteries. <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 489-497	3.1	32
23	Solvothermally exfoliated fluorographene for high-performance lithium primary batteries. <i>Nanoscale</i> , 2014 , 6, 2634-41	7.7	127
22	Transparent conductive graphene films prepared by hydroiodic acid and thermal reduction. <i>Chinese Physics B</i> , 2014 , 23, 028103	1.2	18
21	Co-pyrolysis behaviors and kinetics of plasticsBiomass blends through thermogravimetric analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 115, 227-235	4.1	84
20	Deeply fluorinated multi-wall carbon nanotubes for high energy and power densities lithium/carbon fluorides battery. <i>Electrochimica Acta</i> , 2013 , 107, 343-349	6.7	44
19	Infrared-actuated recovery of polyurethane filled by reduced graphene oxide/carbon nanotube hybrids with high energy density. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 10882-8	9.5	63
18	Covalent functionalization of graphene by azobenzene with molecular hydrogen bonds for long-term solar thermal storage. <i>Scientific Reports</i> , 2013 , 3, 3260	4.9	107
17	Photo-responsive carbon nanomaterials functionalized by azobenzene moieties: structures, properties and application. <i>Nanoscale</i> , 2012 , 4, 6118-34	7.7	80
16	Enhanced reversible photoswitching of azobenzene-functionalized graphene oxide hybrids. <i>Langmuir</i> , 2010 , 26, 18508-11	4	49
15	Investigation of optical modulated conductance effects based on a graphene oxideBzobenzene hybrid. <i>Carbon</i> , 2010 , 48, 3236-3241	10.4	106
14	Local Hydrodynamics Modeling of a GasLiquidSolid Three-Phase Airlift Loop Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 5210-5220	3.9	22
13	Modeling of local dynamic behavior of phenol degradation in an internal loop airlift bioreactor by yeast <i>Candida tropicalis</i> . <i>Biotechnology and Bioengineering</i> , 2007 , 97, 251-64	4.9	24

12	Local hydrodynamics modeling of a gas-liquid-solid three-phase bubble column. <i>AIChE Journal</i> , 2007 , 53, 2221-2231	3.6	31
11	Synthesis of photoresponsive azobenzene chromophore-modified multi-walled carbon nanotubes. <i>Carbon</i> , 2007 , 45, 2445-2448	10.4	34
10	Photoinduced anisotropic response of azobenzene chromophore functionalized multiwalled carbon nanotubes. <i>Journal of Applied Physics</i> , 2007 , 102, 053102	2.5	11
9	Modeling for local dynamic behaviors of phenol biodegradation in bubble columns. <i>AIChE Journal</i> , 2006 , 52, 2864-2875	3.6	7
8	Fluorine-Doped Hard Carbon as the Advanced Performance Anode Material of Sodium-Ion Batteries. <i>Transactions of Tianjin University</i> , 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. <i>Journal of Materials Chemistry C</i> ,	7.1	1
6	Fluorination-enabled interface of PtNi electrocatalysts for high-performance high-temperature proton exchange membrane fuel cells. <i>Science China Materials</i> , 1	7.1	1
5	Nanocellulose-Based Functional Materials: From Chiral Photonics to Soft Actuator and Energy Storage. <i>Advanced Functional Materials</i> , 2104991	15.6	26
4	3D Interconnected Conductive Graphite Nanoplatelet Welded Carbon Nanotube Networks for Stretchable Conductors. <i>Advanced Functional Materials</i> , 2107082	15.6	7
3	Cross-linked Single-Ion Solid Polymer Electrolytes with Alternately Distributed Lithium Sources and Ion-Conducting Segments for Lithium Metal Batteries. <i>Macromolecules</i> ,	5.5	9
2	Near-Infrared Light-Driven Three-Dimensional Soft Photonic Crystals Loaded with Upconversion Nanoparticles. <i>Advanced Optical Materials</i> , 2102475	8.1	2
1	Bioinspired Phototropic MXene-Reinforced Soft Tubular Actuators for Omnidirectional Light-Tracking and Adaptive Photovoltaics. <i>Advanced Functional Materials</i> , 2201884	15.6	16