

Haiyan Zhang

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157
papers

3,553
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170
ext. papers

4,346
ext. citations

6.7
avg, IF

5.83
L-index

#	Paper	IF	Citations
157	Recent Progress on Flexible and Wearable Supercapacitors. <i>Small</i> , 2017 , 13, 1701827	11	260
156	Super-Stretchable Zinc-Air Batteries Based on an Alkaline-Tolerant Dual-Network Hydrogel Electrolyte. <i>Advanced Energy Materials</i> , 2019 , 9, 1803046	21.8	185
155	Mn ₃ O ₄ nanoparticles on layer-structured Ti ₃ C ₂ MXene towards the oxygen reduction reaction and zinc-air batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 20818-20823	13	166
154	A three-dimensional LiFePO ₄ /carbon nanotubes/graphene composite as a cathode material for lithium-ion batteries with superior high-rate performance. <i>Journal of Alloys and Compounds</i> , 2015 , 626, 280-286	5.7	76
153	A physically crosslinked, self-healing hydrogel electrolyte for nano-wire PANI flexible supercapacitors. <i>Chemical Engineering Journal</i> , 2019 , 367, 139-148	14.7	75
152	Highly Compressible Cross-Linked Polyacrylamide Hydrogel-Enabled Compressible Zn-MnO Battery and a Flexible Battery-Sensor System. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 44527-44534	9.5	75
151	Nitrogen-Doped Carbon-Encapsulated SnO ₂ @Sn Nanoparticles Uniformly Grafted on Three-Dimensional Graphene-like Networks as Anode for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 197-207	9.5	73
150	Ultrasmall metal oxide nanoparticles anchored on three-dimensional hierarchical porous graphene-like networks as anode for high-performance lithium ion batteries. <i>Nano Energy</i> , 2015 , 13, 563-572	17.1	70
149	Design of a TiO ₂ nanosheet/nanoparticle gradient film photoanode and its improved performance for dye-sensitized solar cells. <i>Nanoscale</i> , 2014 , 6, 2390-6	7.7	69
148	Novel cellulose aerogel coated on polypropylene separators as gel polymer electrolyte with high ionic conductivity for lithium-ion batteries. <i>Journal of Membrane Science</i> , 2016 , 514, 332-339	9.6	67
147	Synthesis of Double-Layer Nitrogen-Doped Microporous Hollow Carbon@MoS ₂ /MoO ₃ Nanospheres for Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 29511-29520	9.5	63
146	Preparation of hydrophilic polyethylene/methylcellulose blend microporous membranes for separator of lithium-ion batteries. <i>Journal of Membrane Science</i> , 2016 , 498, 147-157	9.6	59
145	Supercapacitors based on low-temperature partially exfoliated and reduced graphite oxide. <i>Journal of Power Sources</i> , 2012 , 212, 105-110	8.9	58
144	Stability, thermal conductivity, and rheological properties of controlled reduced graphene oxide dispersed nanofluids. <i>Applied Thermal Engineering</i> , 2017 , 119, 132-139	5.8	55
143	Callistemon-like Zn and S codoped CoP nanorod clusters as highly efficient electrocatalysts for neutral-pH overall water splitting. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 22453-22462	13	51
142	Synthesis of the graphene/nickel oxide composite and its electrochemical performance for supercapacitors. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 16171-16178	6.7	51
141	Effects of TiO ₂ film thickness on photovoltaic properties of dye-sensitized solar cell and its enhanced performance by graphene combination. <i>Materials Research Bulletin</i> , 2014 , 49, 126-131	5.1	51

140	Microwave-assisted synthesis of functionalized graphene on Ni foam as electrodes for supercapacitor application. <i>Electrochimica Acta</i> , 2013 , 108, 421-428	6.7	50
139	The microwave absorption properties of carbon-encapsulated nickel nanoparticles/silicone resin flexible absorbing material. <i>Journal of Alloys and Compounds</i> , 2016 , 682, 138-143	5.7	49
138	Effects of hydrazine hydrate treatment on the performance of reduced graphene oxide film as counter electrode in dye-sensitized solar cells. <i>Applied Surface Science</i> , 2014 , 319, 339-343	6.7	47
137	Chestnut-like copper cobalt phosphide catalyst for all-pH hydrogen evolution reaction and alkaline water electrolysis. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 14271-14279	13	46
136	A self-healing layered GeP anode for high-performance Li-ion batteries enabled by low formation energy. <i>Nano Energy</i> , 2019 , 61, 594-603	17.1	46
135	Ultrahigh and Durable Volumetric Lithium/Sodium Storage Enabled by a Highly Dense Graphene-Encapsulated Nitrogen-Doped Carbon@Sn Compact Monolith. <i>Nano Letters</i> , 2020 , 20, 2034-2046	11.5	42
134	Graphene / V2O5 hybrid electrode for an asymmetric supercapacitor with high energy density in an organic electrolyte. <i>Electrochimica Acta</i> , 2018 , 287, 149-157	6.7	42
133	High-performance Transparent and Flexible Asymmetric Supercapacitor based on Graphene-wrapped Amorphous FeOOH Nanowire and Co(OH)2 Nanosheet Transparent Films Produced at air-water interface. <i>Electrochimica Acta</i> , 2016 , 220, 618-627	6.7	41
132	Transparent and Self-Supporting Graphene Films with Wrinkled- Graphene-Wall-Assembled Opening Polyhedron Building Blocks for High Performance Flexible/Transparent Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 9763-9771	9.5	40
131	Fabrication of Fe O Dots Embedded in 3D Honeycomb-Like Carbon Based on Metallo-Organic Molecule with Superior Lithium Storage Performance. <i>Small</i> , 2017 , 13, 1701351	11	40
130	The effect of laser power on the formation of carbon nanotubes prepared in CO2 continuous wave laser ablation at room temperature. <i>Physica B: Condensed Matter</i> , 2003 , 325, 224-229	2.8	40
129	Hierarchical S-doped porous carbon derived from by-product lignin for high-performance supercapacitors. <i>RSC Advances</i> , 2017 , 7, 12089-12097	3.7	38
128	Influences of La doping on magnetic and electrochemical properties of Li3V2(PO4)3/C cathode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , 2015 , 151, 378-385	6.7	38
127	One-step synthesis of 3D sulfur-doped porous carbon with multilevel pore structure for high-rate supercapacitors. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 1596-1605	6.7	38
126	A novel and facile-to-synthesize three-dimensional honeycomb-like nano-Fe3O4@C composite: Electromagnetic wave absorption with wide bandwidth. <i>Carbon</i> , 2020 , 169, 118-128	10.4	35
125	Effects of oxygen-containing functional groups on the supercapacitor performance of incompletely reduced graphene oxides. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 7186-7194	6.7	35
124	Thermal conductivity of polyethylene glycol nanofluids containing carbon coated metal nanoparticles. <i>Journal of Applied Physics</i> , 2010 , 108, 124304	2.5	35
123	SiO 2 @SnO 2 /graphene composite with a coating and hierarchical structure as high performance anode material for lithium ion battery. <i>Journal of Alloys and Compounds</i> , 2016 , 677, 237-244	5.7	32

122	Electromagnetic characteristic and microwave absorption properties of carbon nanotubes/epoxy composites in the frequency range from 2 to 6 GHz. <i>Journal of Applied Physics</i> , 2009 , 105, 054314	2.5	31
121	Facile low-temperature synthesis of hematite quantum dots anchored on a three-dimensional ultra-porous graphene-like framework as advanced anode materials for asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 11247-11255	13	29
120	Facile synthesis of ultrasmall Si particles embedded in carbon framework using Si-carbon integration strategy with superior lithium ion storage performance. <i>Chemical Engineering Journal</i> , 2017 , 319, 1-8	14.7	28
119	Construction of Hierarchically One-Dimensional Core-Shell CNT@Microporous Carbon by Covalent Bond-Induced Surface-Confined Cross-Linking for High-Performance Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 15557-15565	9.5	28
118	Ultrathin carbon gauze for high-rate supercapacitor. <i>Electrochimica Acta</i> , 2016 , 222, 990-998	6.7	28
117	Few-layer MoS ₂ embedded in N-doped carbon fibers with interconnected macropores for ultrafast sodium storage. <i>Carbon</i> , 2020 , 168, 691-700	10.4	27
116	Enhancement of thermal conductivity in water-based nanofluids employing TiO ₂ /reduced graphene oxide composites. <i>Journal of Materials Science</i> , 2016 , 51, 10104-10115	4.3	26
115	Li ₄ Ti ₅ O ₁₂ /CNTs composite anode material for large capacity and high-rate lithium ion batteries. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 16096-16102	6.7	25
114	Ag-encapsulated Single-Crystalline Anatase TiO ₂ Nanoparticle photoanodes for enhanced dye-sensitized solar cell performance. <i>Journal of Alloys and Compounds</i> , 2017 , 695, 1104-1111	5.7	25
113	Pseudocapacitive Transparent/Flexible Supercapacitor based on Graphene wrapped Ni(OH) ₂ Nanosheet Transparent Film Produced using Scalable Bio-inspired Methods. <i>Electrochimica Acta</i> , 2016 , 219, 61-69	6.7	25
112	(Yb ³⁺ ,Er ³⁺) co-doped TiO ₂ /Ag ₃ PO ₄ hybrid photocatalyst with enhanced activity for photodegradation of phenol. <i>Applied Surface Science</i> , 2019 , 463, 159-168	6.7	24
111	A macro-porous graphene oxide-based membrane as a separator with enhanced thermal stability for high-safety lithium-ion batteries. <i>RSC Advances</i> , 2017 , 7, 22112-22120	3.7	23
110	Re-investigation on reduced graphene oxide/Ag ₂ CO ₃ composite photocatalyst: An insight into the double-edged sword role of RGO. <i>Applied Surface Science</i> , 2017 , 396, 102-109	6.7	22
109	Graphene nanosheet/silicone composite with enhanced thermal conductivity and its application in heat dissipation of high-power light-emitting diodes. <i>Current Applied Physics</i> , 2016 , 16, 1695-1702	2.6	22
108	Hierarchical cobalt phosphide hollow nanoboxes as high performance bifunctional electrocatalysts for overall water splitting. <i>Materials Today Energy</i> , 2019 , 12, 443-452	7	21
107	Novel Core-Shell PS-co-PBA@SiO ₂ Nanoparticles Coated on PP Separator as Thermal Shutdown Switch for High Safety Lithium-Ion Batteries. <i>Macromolecular Materials and Engineering</i> , 2017 , 302, 1700241	3.9	21
106	Tunable and high performance electromagnetic absorber based on ultralight 3D graphene foams with aligned structure. <i>Carbon</i> , 2018 , 140, 494-503	10.4	21
105	Investigation on hybrid nanofluids based on carbon nanotubes filled with metal nanoparticles: Stability, thermal conductivity, and viscosity. <i>Powder Technology</i> , 2021 , 389, 1-10	5.2	21

104	Investigation on Synthesis, Stability, and Thermal Conductivity Properties of Water-Based SnO ₂ /Reduced Graphene Oxide Nanofluids. <i>Materials</i> , 2017 , 11,	3.5	20
103	Graphene-hollow-cubes with network-faces assembled a 3D micro-structured transparent and free-standing film for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16803-16812	3.3	19
102	Electrochemical performance of Li ₄ Ti ₅ O ₁₂ /carbon nanotubes/graphene composite as an anode material in lithium-ion batteries. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 7195-7201	6.7	20
101	NaCl multistage-recrystallization-induced formation of 3D micro-structured ribbon-like graphene based films for high performance flexible/transparent supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14595-14603	13	19
100	An amorphous ZnO/graphite composite with chemical bonding for ultra-reversible lithium storage. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 16785-16792	13	19
99	Hybridization of Binary Non-Precious-Metal Nanoparticles with d-Ti ₃ C ₂ MXene for Catalyzing the Oxygen Reduction Reaction. <i>ChemElectroChem</i> , 2018 , 5, 3307-3314	4.3	18
98	Tunable upconversion luminescence of monodisperse Y ₂ O ₃ : Er ³⁺ /Yb ³⁺ /Tm ³⁺ nanoparticles. <i>Applied Surface Science</i> , 2017 , 424, 164-169	6.7	17
97	Quantitatively Characterizing the Chemical Composition of Tailored Bagasse Fiber and Its Effect on the Thermal and Mechanical Properties of Polylactic Acid-Based Composites. <i>Polymers</i> , 2019 , 11,	4.5	17
96	Enhanced electrochemical properties of single-layer MoS ₂ embedded in carbon nanofibers by electrospinning as anode materials for sodium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 843, 31-36	4.1	17
95	Influences of neodymium doping on magnetic and electrochemical properties of Li ₃ V ₂ (PO ₄) ₃ /C synthesized via a sol-gel method. <i>Journal of Power Sources</i> , 2015 , 295, 246-253	8.9	17
94	Enhancement of the electrochemical performance of LiFePO ₄ /carbon nanotubes composite electrode for Li-ion batteries. <i>Ionics</i> , 2015 , 21, 1813-1818	2.7	17
93	High energy density transparent and flexible asymmetric supercapacitor based on a transparent metal hydroxides@graphene micro-structured film via a scalable gas-liquid diffusion method. <i>Journal of Alloys and Compounds</i> , 2017 , 712, 194-203	5.7	16
92	Facile fabrication of graphene/nickel oxide composite with superior supercapacitance performance by using alcohols-reduced graphene as substrate. <i>Journal of Alloys and Compounds</i> , 2015 , 644, 165-171	5.7	16
91	Facile method to prepare self-healable PVA hydrogels with high water stability. <i>Materials Letters</i> , 2014 , 122, 227-229	3.3	16
90	The electromagnetic property and microwave absorption of wormhole-like mesoporous carbons with different surface areas. <i>Journal of Materials Science</i> , 2016 , 51, 9723-9731	4.3	16
89	Microwave-assisted in situ synthesis of reduced graphene oxide/Mn ₃ O ₄ composites for supercapacitor applications. <i>RSC Advances</i> , 2015 , 5, 45061-45067	3.7	15
88	TiO ₂ -reduced graphene oxide nanocomposite for high-rate application of lithium ion batteries. <i>Ionics</i> , 2015 , 21, 51-58	2.7	15
87	The effect of helium gas pressure on the formation and yield of nanotubes in arc discharge. <i>Journal Physics D: Applied Physics</i> , 1997 , 30, L1-L4	3	15

86	Fe ₂ O ₃ nanowire arrays on Ni-coated yarns as excellent electrodes for high performance wearable yarn-supercapacitor. <i>Journal of Alloys and Compounds</i> , 2021 , 866, 158156	5.7	15
85	General Strategy To Synthesize Highly Dense Metal Oxide Quantum Dots-Anchored Nitrogen-Rich Graphene Compact Monoliths To Enable Fast and High-Stability Volumetric Lithium/Sodium Storage. <i>ACS Applied Energy Materials</i> , 2019 , 2, 3500-3512	6.1	14
84	Synthesis of Fe ₂ O ₃ /Ni(OH) ₂ /graphene nanocomposite by one-step hydrothermal method for high-performance supercapacitor. <i>Journal of Materials Science</i> , 2016 , 51, 2877-2885	4.3	14
83	Towards fast and ultralong-life Li-ion battery anodes: embedding ultradispersed TiO ₂ quantum dots into three-dimensional porous graphene-like networks. <i>Electrochimica Acta</i> , 2017 , 246, 1183-1192	6.7	14
82	Green, Template-Less Synthesis of Honeycomb-like Porous Micron-Sized Red Phosphorus for High-Performance Lithium Storage. <i>ACS Nano</i> , 2021 , 15, 1880-1892	16.7	14
81	Improved performance of dye-sensitized solar cell based on TiO ₂ photoanode with FTO glass and film both treated by TiCl ₄ . <i>Physica B: Condensed Matter</i> , 2016 , 500, 48-52	2.8	13
80	Fabrication and thermal conductivity improvement of novel composite adsorbents adding with nanoparticles. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2016 , 29, 1114-1119	2.5	13
79	Critical SiO ₂ nanolayers for improving corrosion resistance and lithium storage performances of core-shell nano-Si/C composites. <i>Journal of Alloys and Compounds</i> , 2018 , 769, 1072-1079	5.7	13
78	A Thermally Conductive Composite with a Silica Gel Matrix and Carbon-Encapsulated Copper Nanoparticles as Filler. <i>Journal of Electronic Materials</i> , 2014 , 43, 2759-2769	1.9	13
77	Novel hyper-crosslinked polymer anode for lithium-ion batteries with highly reversible capacity and long cycling stability. <i>Electrochimica Acta</i> , 2018 , 281, 162-169	6.7	13
76	Novel graphene nanosheet-wrapped polyaniline rectangular-like nanotubes for flexible all-solid-state supercapacitors. <i>Journal of Materials Science</i> , 2017 , 52, 10981-10992	4.3	12
75	Controllable synthesis of SnO ₂ @carbon hollow sphere based on bi-functional metallo-organic molecule for high-performance anode in Li-ion batteries. <i>Applied Surface Science</i> , 2018 , 442, 65-70	6.7	12
74	Ultrasmall Fe ₂ O ₃ Nanoparticles Anchored on Three-Dimensional Hierarchical Porous Graphene-like Networks for High Rate Capability Supercapacitors. <i>ChemElectroChem</i> , 2016 , 3, 1820-1826	4.3	12
73	Enhanced performance of dye-sensitized solar cells based on TiO ₂ /MnTiO ₃ /MgTiO ₃ composite photoanode. <i>Journal of Alloys and Compounds</i> , 2016 , 657, 53-58	5.7	12
72	Electron spin resonance of carbon nanotubes prepared under two kinds of inert gas ambient. <i>Journal of Physics and Chemistry of Solids</i> , 2000 , 61, 1123-1125	3.9	12
71	Enhanced capability and cyclability of flexible TiO ₂ -reduced graphene oxide hybrid paper electrode by incorporating monodisperse anatase TiO ₂ quantum dots. <i>Electrochimica Acta</i> , 2018 , 259, 474-484	6.7	12
70	Investigation of the improved performance with ferrites in TiO ₂ dye-sensitized solar cell. <i>Applied Surface Science</i> , 2017 , 424, 245-250	6.7	11
69	Improved Thermal Property of a Multilayered Graphite Nanoplatelets Filled Silicone Resin Composite. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 920-929	1.6	11

68	Electromagnetic shielding of multiwalled, bamboo-like carbon nanotube/methyl vinyl silicone composite prepared by liquid blending. <i>Composite Interfaces</i> , 2014 , 21, 553-569	2.3	11
67	Hydrothermal intercalation for the synthesis of novel three-dimensional hierarchically superstructured carbons composed of graphene-like ultrathin nanosheets. <i>Carbon</i> , 2021 , 176, 1-10	10.4	11
66	Electrochemical storage mechanism of sodium in carbon materials: A study from soft carbon to hard carbon. <i>Carbon</i> , 2021 , 182, 758-769	10.4	11
65	Efficient 1.54 μ m laser property in near- stoichiometric Er:LiNbO ₃ crystal. <i>Optics and Laser Technology</i> , 2015 , 74, 173-177	4.2	10
64	Preparation, Lithium Storage Performance and Thermal Stability of Nickel-Rich Layered LiNi _{0.815} Co _{0.15} Al _{0.035} O ₂ /RGO Composites. <i>ChemElectroChem</i> , 2018 , 5, 3176-3182	4.3	10
63	Cl/SO-Codoped Poly(3,4-ethylenedioxythiophene) That Interpenetrates and Encapsulates Porous FeO To Form Composite Nanoframeworks for Stable Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 30801-30809	9.5	10
62	Preparation of carbon-coated iron nanofluid and its application in radiofrequency ablation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2015 , 103, 908-14	3.5	10
61	The thermal properties of controllable diameter carbon nanotubes synthesized by using AB ₅ alloy of micrometer magnitude as catalyst. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 464, 17-22	5.3	10
60	Three-dimensional flower-like FeCoNi/reduced graphene oxide nanosheets with enhanced impedance matching for high-performance electromagnetic wave absorption. <i>Journal of Alloys and Compounds</i> , 2021 , 883, 160877	5.7	10
59	Design and construction of nickel-cobalt-sulfide nanoparticles in-situ grown on graphene with enhanced performance for asymmetric supercapacitors. <i>Diamond and Related Materials</i> , 2020 , 108, 107923	3.5	9
58	Facile fabrication of carbon nanosheets with hierarchically porous structure for high-performance supercapacitor. <i>Microporous and Mesoporous Materials</i> , 2020 , 306, 110440	5.3	9
57	The effect of acid treatment on thermally exfoliated graphite oxide as electrode for supercapacitors. <i>Electrochimica Acta</i> , 2014 , 138, 311-317	6.7	9
56	Controllable synthesis of unique Ni/mesoporous carbon composites with lightweight and high EM wave absorption performance. <i>RSC Advances</i> , 2017 , 7, 38549-38556	3.7	9
55	Stabilizing the cationic/anionic redox chemistry of Li-rich layered cathodes by tuning the upper cut-off voltage for high energy-density lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 14214-14222	13	9
54	Simple and efficient fabrication of pomegranate-like Fe ₂ O ₃ @C on carbon cloth as an anode for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2018 , 766, 253-260	5.7	9
53	Ultrafine FeNi Nanocrystals Embedded in 3D Honeycomb-Like Carbon Matrix for High-Performance Microwave Absorption. <i>Nanomaterials</i> , 2020 , 10,	5.4	8
52	Thermodynamically Metal Atom Trapping in Van der Waals Layers Enabling Multifunctional 3D Carbon Network. <i>Advanced Functional Materials</i> , 2020 , 30, 2002626	15.6	8
51	Flame retarded polyethylene/wood flour composites with high performances: Satisfying both sides with intumescent flame retardants and synergistic compatibilizers, respectively. <i>Polymer Composites</i> , 2018 , 39, 569-579	3	7

50	Rapid preparation of SnO ₂ /C nanospheres by using organotin as building blocks and their application in lithium-ion batteries. <i>RSC Advances</i> , 2017 , 7, 34442-34447	3.7	7
49	Controllable Synthesis of Tunable Microstructures of Self-Supporting Graphene Films from Opened Bubble to Cube via in Situ Template-Modulating. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42093-42101	9.5	7
48	Enhancement of upconversion emission in Er:LiNbO ₃ by codoping with HfO ₂ under 1550nm excitation. <i>Optical Materials</i> , 2017 , 70, 116-119	3.3	6
47	Enhanced Microwave Absorption Bandwidth in Graphene-Encapsulated Iron Nanoparticles with Core-Shell Structure. <i>Nanomaterials</i> , 2020 , 10,	5.4	6
46	Structural and electrical properties of Ta ₂ O ₅ thin films prepared by photo-induced CVD. <i>Bulletin of Materials Science</i> , 2011 , 34, 443-446	1.7	6
45	Investigation on the Preparation of Silver Coated Carbon Nanotubes (SCCNT) and SCCNT/Polyacrylate Composite Coatings for Electromagnetic Interference Shielding. <i>Integrated Ferroelectrics</i> , 2011 , 128, 21-29	0.8	6
44	N-Doped Modified Graphene/FeO Nanocomposites as High-Performance Anode Material for Sodium Ion Storage. <i>Nanomaterials</i> , 2019 , 9,	5.4	6
43	A novel amorphous P ₄ SSe ₂ compound as an advanced anode for sodium-ion batteries in ether-based electrolytes. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 12029-12040	13	6
42	Atomic-Scale Design of Anode Materials for Alkali Metal (Li/Na/K)-Ion Batteries: Progress and Perspectives. <i>Advanced Energy Materials</i> , 2200662	21.8	6
41	Structure and properties of microwave transparent crosslinked polystyrene prepared through 3D printing bulk polymerization. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 44865	2.9	5
40	Facile synthesis of graphitic porous carbons with three-dimensional nanonetwork for high-rate supercapacitive energy storage. <i>Journal of Materials Science</i> , 2016 , 51, 5676-5684	4.3	5
39	Effect of Wood Flour on the Curing Behavior, Mechanical Properties, and Water Absorption of Natural Rubber/Wood Flour Composites. <i>Journal of Macromolecular Science - Physics</i> , 2011 , 50, 1625-1636	1.4	5
38	Carbon Cloth-supported MoS ₂ /Ag ₂ S/Ag ₃ PO ₄ Composite with High Photocatalytic Activity and Recyclability. <i>ChemCatChem</i> , 2018 , 11, 1017	5.2	5
37	A new kind of water-based nanofluid with a low loading of three-dimensional porous graphene. <i>Journal of Materials Science</i> , 2017 , 52, 10485-10496	4.3	4
36	Improving the performances of polyethylene/sisal fiber composites by infiltratively compatibilizing the multi-scale interfaces. <i>Composite Interfaces</i> , 2015 , 22, 489-502	2.3	4
35	Study on preparation, stability, thermal conductivity, and viscosity of silver nanoparticles-decorated three-dimensional graphene-like porous carbon hybrid nanofluids. <i>Nanotechnology</i> , 2021 ,	3.4	4
34	Confined growth of Fe ₂ O ₃ nanoparticles by holey graphene for enhanced sodium-ion storage. <i>Carbon</i> , 2021 , 176, 31-38	10.4	4
33	One-step large-scale fabrication of Bi@N-doped carbon for ultrahigh-rate and long-life sodium-ion battery anodes. <i>Journal of Materials Science</i> , 2021 , 56, 11000-11010	4.3	4

32	High performance anode for sodium-ion batteries: Calcium pre-intercalated layered vanadium oxide/carbon composite. <i>Chemical Engineering Journal</i> , 2021 , 424, 130378	14.7	4
31	Electrochemical activation strategies of a novel high entropy amorphous V-based cathode material for high-performance aqueous zinc-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 18488-18497 ¹³		4
30	Fabrication of C/SiO _{1.5} nanospheres by emulsion polymerization of twin monomer for high-performance lithium-ion battery anode. <i>Journal of Alloys and Compounds</i> , 2017 , 701, 487-493	5.7	3
29	Coplanar waveguide fed multiple input multiple output antenna with higher isolation and multi-sense circular polarization. <i>Journal of Electromagnetic Waves and Applications</i> , 2018 , 32, 685-694	1.3	3
28	Enhanced dual-band circularly polarised broadband antenna by using the parasitic patch. <i>IET Microwaves, Antennas and Propagation</i> , 2018 , 12, 2085-2088	1.6	3
27	Multicolor tunable yellow-red emission in Eu/Er:LiNbO ₃ under ultraviolet and blue excitation. <i>Optics and Laser Technology</i> , 2017 , 97, 111-115	4.2	3
26	A new kind of magnetic targeting induction heating drug carrier and its physical and biological properties. <i>Science in China Series D: Earth Sciences</i> , 2009 , 52, 3076-3081		3
25	A Novel Dendrite-Free Lithium Metal Anode via Oxygen and Boron Codoped Honeycomb Carbon Skeleton.. <i>Small</i> , 2022 , e2104876	11	3
24	Ultrasmall metal oxide nanocrystals embedded in nitrogen-doped carbon networks based on one-step pyrolysis of bi-functional metallo-organic molecules for high-performance lithium-ion batteries. <i>Electrochimica Acta</i> , 2020 , 331, 135430	6.7	3
23	Transform Rice Husk and Recycled Polyethylene into High Performance Composites: Using a Novel Compatibilizer to Infiltratively Enhance the Interfacial Interactions. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2016 , 32, 253-268	1.7	3
22	Recent discovery of a multifunctional metallo-organic precursor for fabricating Co ₃ O ₄ /N-doped porous carbon by one-step in situ pyrolysis as an anode material for Li-ion batteries. <i>Journal of Materials Science</i> , 2021 , 56, 1590-1599	4.3	3
21	Facile fabrication of highly catalytic-active AgCO/AgBr/graphene oxide ternary composites towards the photocatalytic wastewater treatment. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 4173-4183	5.1	3
20	Synthesis of fullerene by pyrolysis of acetylene in thermal HF-Plasma. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2007 , 22, 94-97	1	2
19	The Mossbauer spectra of carbon-coated iron and iron compound nanocrystals produced by arc discharge. <i>Journal of Materials Science Letters</i> , 1999 , 18, 919-920		2
18	Near-Unity Quantum Yield and Superior Stable Indium-Doped CsPbBr ₃ Perovskite Quantum Dots for Pure Red Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2101517	8.1	2
17	Pyrolysis-controlled FeCoNi@hard carbon composites with facilitated impedance matching for strong electromagnetic wave response. <i>Journal of Materials Chemistry C</i> ,	7.1	2
16	A Co-intercalation enhanced V-based cathode material for fast charge aqueous zinc ion batteries. <i>Chemical Communications</i> , 2021 , 57, 10339-10342	5.8	2
15	Influence of the phase composition and microstructure of plasma cladding Fe-Cr-Ni-C alloy coating on residual stress and crack formation. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 96, 1607-1613	3.2	2

14	Facile preparation of MoP/TiO ₂ composite by electrospinning method for sodium ion battery anode. <i>Materials Research Letters</i> , 2021 , 9, 382-390	7.4	2
13	Miniaturised CP wideband antenna with split elliptical patch and LRH cells. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 420-424	1.6	1
12	Energy conversion in Er/Eu:LiNbO ₃ for enhanced near-infrared and ultra-violet light harvesting. <i>Materials Letters</i> , 2015 , 160, 555-557	3.3	1
11	Region-specific growth of TiO ₂ nanotube arrays by anodization. <i>Materials Letters</i> , 2013 , 109, 5-7	3.3	1
10	The Mossbauer spectra of carbon nanotubes synthesized using ferrite catalyst. <i>Journal of Physics: Conference Series</i> , 2009 , 188, 012041	0.3	1
9	Optical Temperature Sensing of YbNbO ₄ :Er ³⁺ Phosphors Synthesized by Hydrothermal Method. <i>Coatings</i> , 2021 , 11, 383	2.9	1
8	Scalable Preparation of Cellulose Nanofibers from Office Waste Paper by an Environment-Friendly Method. <i>Polymers</i> , 2021 , 13,	4.5	1
7	Application of iron/barium ferrite/carbon-coated iron nanocrystal composites in transcatheter arterial chemoembolization of hepatocellular carcinoma. <i>Journal of Colloid and Interface Science</i> , 2021 , 601, 30-41	9.3	1
6	Design and construction of hollow nanocube NiMoO ₄ electrode with high performance for asymmetric supercapacitor. <i>Journal of Nanostructure in Chemistry</i> , 1	7.6	0
5	Facile preparation of La ₂ (MoO ₄) ₃ @C nanosheets as superior anodes for lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2022 , 26, 897	2.6	0
4	Amorphous phosphorus chalcogenide as an anode material for lithium-ion batteries with high capacity and long cycle life. <i>Journal of Energy Chemistry</i> , 2021 , 68, 658-658	12	0
3	Preparation and Thermal Conductivity of Alumina/Reduced Graphene Oxide Composite Dispersed Aqueous Nanofluids. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 381, 012071	0.4	0
2	A Novel Dendrite-Free Lithium Metal Anode via Oxygen and Boron Codoped Honeycomb Carbon Skeleton (Small 11/2022). <i>Small</i> , 2022 , 18, 2270055	11	0
1	Reinforce effect with carbon interphase for high performance multi-phase V-based anode on sodium ion batteries. <i>Journal of Physics and Chemistry of Solids</i> , 2022 , 168, 110796	3.9	