

Bingqing Wei

List of Publications by Year in descending order

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papers

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3731

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docs citations

317
times ranked

31063
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the Coffee ring Effect on Selfâ€discharge Behavior of Printed microâ€Supercapacitors. Energy and Environmental Materials, 2022, 5, 321-326.	12.8	6
2	Assembling <scp>metalâ€polyphenol</scp> coordination interfaces for longstanding zinc metal anodes. EcoMat, 2022, 4, .	11.9	10
3	Catalytic Boosting Bidirectional Polysulfide Redox using Co_{0.85}Se/C Hollow Structure for Highâ€Performance Lithiumâ€Sulfur Batteries. ChemElectroChem, 2022, 9, .	3.4	4
4	Plasmon-induced super-semiconductor at room temperature in nanostructured bimetallic arrays. Applied Physics Reviews, 2022, 9, 021412.	11.3	1
5	Plasma-Wind-Assisted In ₂ S ₃ Preparation with an Amorphous Surface Structure for Enhanced Photocatalytic Hydrogen Production. Nanomaterials, 2022, 12, 1761.	4.1	3
6	A Lightweight, Adhesive, Dualâ€Functionalized Overâ€Coating Interphase Toward Ultraâ€Stable Highâ€Current Density Lithium Metal Anodes. Energy and Environmental Materials, 2021, 4, 103-110.	12.8	8
7	A Highly Flexible and Lightweight MnO₂/Graphene Membrane for Superior Zincâ€Ion Batteries. Advanced Functional Materials, 2021, 31, 2007397.	14.9	153
8	Regulating electrodeposition behavior through enhanced mass transfer for stable lithium metal anodes. Journal of Energy Chemistry, 2021, 55, 580-587.	12.9	22
9	Topological materials and topologically engineered materials: properties, synthesis, and applications for energy conversion and storage. Journal of Materials Chemistry A, 2021, 9, 1297-1313.	10.3	17
10	Spatially anchoring the lithiophilic composites within the mixed-conducting phase: A hybrid storage mechanism enabled by the Al-Si@AlSiOX composite. Chemical Engineering Journal, 2021, 417, 127915.	12.7	5
11	Rechargeable aqueous zinc-ion batteries: Mechanism, design strategies and future perspectives. Materials Today, 2021, 42, 73-98.	14.2	159
12	Boosting photocatalytic hydrogen production from water by photothermally induced biphasic systems. Nature Communications, 2021, 12, 1343.	12.8	209
13	Hybrid printed three-dimensionally integrated micro-supercapacitors for compact on-chip application. Applied Physics Reviews, 2021, 8, .	11.3	10
14	Recent progress in stabilizing perovskite solar cells through two-dimensional modification. APL Materials, 2021, 9, .	5.1	12
15	Blending poly(2â€ethylâ€2â€oxazoline) with hydrophobic polymers as a hybrid adhesive with enhanced waterâ€resistant properties. Journal of Applied Polymer Science, 2021, 138, 51404.	2.6	1
16	Tunable synthesis of biomass-based hierarchical porous carbon scaffold@MnO ₂ nanohybrids for asymmetric supercapacitor. Chemical Engineering Journal, 2020, 393, 121214.	12.7	45
17	Reducedâ€Grapheneâ€Oxideâ€Guided Directional Growth of Planar Lithium Layers. Advanced Materials, 2020, 32, e1907079.	21.0	70
18	Multifunctional Silanization Interface for Highâ€Energy and Lowâ€Gassing Lithium Metal Pouch Cells. Advanced Energy Materials, 2020, 10, 1903362.	19.5	31

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19	Self-healable transparent polymer/salt hybrid adhesive via a ternary bonding effect. Journal of Materials Chemistry A, 2020, 8, 21812-21823.	10.3	11
20	Alternately stacked thin film electrodes for high-performance compact energy storage. Nano Energy, 2020, 78, 105323.	16.0	17
21	Inducing rapid polysulfide transformation through enhanced interfacial electronic interaction for lithium-sulfur batteries. Nanoscale, 2020, 12, 13980-13986.	5.6	14
22	Enhanced Superconductivity Induced by the Hexagonal-Array-Cooling-Shrinkage Effect. ACS Applied Electronic Materials, 2020, 2, 1381-1387.	4.3	1
23	Generalized Domino-Driven Synthesis of Hollow Hybrid Carbon Spheres with Ultrafine Metal Nitrides/Oxides. Matter, 2020, 3, 246-260.	10.0	30
24	Monitoring Hydrogen Evolution Reaction Intermediates of Transition Metal Dichalcogenides via Operando Raman Spectroscopy. Advanced Functional Materials, 2020, 30, 2003035.	14.9	64
25	Tailoring porous structure and graphitic degree of seaweed-derived carbons for high-rate performance lithium-ion batteries. Journal of Alloys and Compounds, 2020, 823, 153862.	5.5	15
26	Design principles of pseudocapacitive carbon anode materials for ultrafast sodium and potassium-ion batteries. Journal of Materials Chemistry A, 2020, 8, 7756-7764.	10.3	16
27	Molecular investigation on the compatibility of epoxy resin with liquid oxygen. Theoretical and Applied Mechanics Letters, 2020, 10, 38-45.	2.8	7
28	Metal-organic-framework-derived hollow polyhedrons of prussian blue analogues for high power grid-scale energy storage. Electrochimica Acta, 2019, 321, 134671.	5.2	31
29	Tuning the Dimensionality of Nano $\text{Ca}(\text{OH})_2$ with Surfactants for Wall Painting Consolidation. ChemNanoMat, 2019, 5, 1152-1158.	2.8	6
30	Realizing Interfacial Electronic Interaction within ZnS Quantum Dots/ Ni_3C Heterostructures for Efficient Li^+/CO_2 Batteries. Advanced Energy Materials, 2019, 9, 1901806.	19.5	101
31	Normalized Lithium Growth from the Nucleation Stage for Dendrite-Free Lithium Metal Anodes. Angewandte Chemie - International Edition, 2019, 58, 18246-18251.	13.8	60
32	Enhanced Tunable Light Absorption in Nanostructured Si Arrays Based on Double-Quarter-Wavelength Resonance. Advanced Optical Materials, 2019, 7, 1900845.	7.3	12
33	Normalized Lithium Growth from the Nucleation Stage for Dendrite-Free Lithium Metal Anodes. Angewandte Chemie, 2019, 131, 18414-18419.	2.0	10
34	Hollow Carbon Nanospheres with Developed Porous Structure and Retained N Doping for Facilitated Electrochemical Energy Storage. Langmuir, 2019, 35, 12889-12897.	3.5	25
35	Surface & grain boundary co-passivation by fluorocarbon based bifunctional molecules for perovskite solar cells with efficiency over 21%. Journal of Materials Chemistry A, 2019, 7, 2497-2506.	10.3	141
36	Plasmonic TiN boosting nitrogen-doped TiO_2 for ultrahigh efficient photoelectrochemical oxygen evolution. Applied Catalysis B: Environmental, 2019, 246, 21-29.	20.2	61

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37	Heterostructured Sn/SnO ₂ nanotube peapods with a strong plasmonic effect for photoelectrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16883-16891.	10.3	26
38	Energy-storage covalent organic frameworks: improving performance <i>via</i> engineering polysulfide chains on walls. <i>Chemical Science</i> , 2019, 10, 6001-6006.	7.4	121
39	High-K dielectric sulfur-selenium alloys. <i>Science Advances</i> , 2019, 5, eaau9785.	10.3	13
40	Dual Functionalities of Few-Layered Boron Nitrides in the Design and Implementation of Ca(OH) ₂ Nanomaterials toward an Efficient Wall Painting Fireproofing and Consolidation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 11792-11799.	8.0	13
41	Integrated, Flexible Lithium Metal Battery with Improved Mechanical and Electrochemical Cycling Stability. <i>ACS Applied Energy Materials</i> , 2019, 2, 3642-3650.	5.1	15
42	Hierarchical nanocomposite of hollow carbon spheres encapsulating nano-MoO ₂ for high-rate and durable Li-ion storage. <i>Journal of Alloys and Compounds</i> , 2019, 787, 301-308.	5.5	17
43	Probing the dynamic evolution of lithium dendrites: a review of <i>in situ/operando</i> characterization for lithium metallic batteries. <i>Nanoscale</i> , 2019, 11, 20429-20436.	5.6	26
44	Edge-rich MoS ₂ grown on edge-oriented three-dimensional graphene glass for high-performance hydrogen evolution. <i>Nano Energy</i> , 2019, 57, 388-397.	16.0	98
45	Onion-like nanospheres organized by carbon encapsulated few-layer MoS ₂ nanosheets with enhanced lithium storage performance. <i>Journal of Power Sources</i> , 2019, 413, 327-333.	7.8	104
46	Flexible Sub-Micro Carbon Fiber@CNTs as Anodes for Potassium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5015-5021.	8.0	69
47	Understanding of Anion Transport in Polymer Electrolytes for Supercapacitors. <i>Advanced Theory and Simulations</i> , 2019, 2, 1800140.	2.8	2
48	Capacitive Enhancement Mechanisms and Design Principles of High-Performance Graphene Oxide-Based All-Solid-State Supercapacitors. <i>Advanced Functional Materials</i> , 2018, 28, 1706721.	14.9	27
49	Suppressing Dendritic Lithium Formation Using Porous Media in Lithium Metal-Based Batteries. <i>Nano Letters</i> , 2018, 18, 2067-2073.	9.1	154
50	Mechanical properties of nanocomposites reinforced by carbon nanotube sponges. <i>Journal of Materiomics</i> , 2018, 4, 157-164.	5.7	32
51	Mechanical Properties of Ultralow Density Graphene Oxide/Polydimethylsiloxane Foams. <i>MRS Advances</i> , 2018, 3, 61-66.	0.9	2
52	Energy dissipation of damping cantilevered single-walled carbon nanotube oscillator. <i>Nonlinear Dynamics</i> , 2018, 91, 767-776.	5.2	20
53	Heterostructured TiO ₂ /NiTiO ₃ Nanorod Arrays for Inorganic Sensitized Solar Cells with Significantly Enhanced Photovoltaic Performance and Stability. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11580-11586.	8.0	33
54	One-pot synthesis of nitrogen-doped ordered mesoporous carbon spheres for high-rate and long-cycle life supercapacitors. <i>Carbon</i> , 2018, 127, 85-92.	10.3	337

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55	Graphene Quantum Dots: Graphene-Enhanced Nanomaterials for Wall Painting Protection (Adv. Funct. Mater. 2018, 12, 1407-1414) Tj ETQq1, 1, 0.784314 rgBT, 10, 41237-41245.	14.9	110
56	Structurally Engineered Hyperbranched NiCoP Arrays with Superior Electrocatalytic Activities toward Highly Efficient Overall Water Splitting. ACS Applied Materials & Interfaces, 2018, 10, 41237-41245.	8.0	110
57	Wet-Chemical Synthesis of Surface-Passivated Halide Perovskite Microwires for Improved Optoelectronic Performance and Stability. ACS Applied Materials & Interfaces, 2018, 10, 43850-43856.	8.0	20
58	Interconnecting Bone Nanoparticles by Ovalbumin Molecules to Build a Three-Dimensional Low-Density and Tough Material. ACS Applied Materials & Interfaces, 2018, 10, 41757-41762.	8.0	9
59	Graphene-Enhanced Nanomaterials for Wall Painting Protection. Advanced Functional Materials, 2018, 28, 1803872.	14.9	31
60	Environment-Friendly Poly(2-ethyl-2-oxazoline) as an Innovative Consolidant for Ancient Wall Paintings. Nanomaterials, 2018, 8, 649.	4.1	9
61	Hybrids of CNTs and acrylic emulsion for the consolidation of wall paintings. Progress in Organic Coatings, 2018, 124, 185-192.	3.9	10
62	Mesoporous, conductive molybdenum nitride as efficient sulfur hosts for high-performance lithium-sulfur batteries. Journal of Power Sources, 2018, 395, 77-84.	7.8	78
63	A Scalable Approach to Dendrite-Free Lithium Anodes via Spontaneous Reduction of Spray-Coated Graphene Oxide Layers. Advanced Materials, 2018, 30, e1801213.	21.0	204
64	Vertically Grown Edge-Rich Graphene Nanosheets for Spatial Control of Li Nucleation. Advanced Energy Materials, 2018, 8, 1800564.	19.5	145
65	Multiscale Interfacial Strategy to Engineer Mixed Metal-Oxide Anodes toward Enhanced Cycling Efficiency. ACS Applied Materials & Interfaces, 2018, 10, 20095-20105.	8.0	5
66	Optical and Electrical Enhancement of Hydrogen Evolution by MoS ₂ @MoO ₃ Core-Shell Nanowires with Designed Tunable Plasmon Resonance. Advanced Functional Materials, 2018, 28, 1802567.	14.9	78
67	Recent advances in rational engineering of multinary semiconductors for photoelectrochemical hydrogen generation. Nano Energy, 2018, 51, 457-480.	16.0	140
68	Graphene-Boosted, High-Performance Aqueous Zn-Ion Battery. ACS Applied Materials & Interfaces, 2018, 10, 25446-25453.	8.0	269
69	Achieving Self-Stiffening and Laser Healing by Interconnecting Graphene Oxide Sheets with Amine-Functionalized Ovalbumin. Advanced Materials Interfaces, 2018, 5, 1800932.	3.7	5
70	Water Splitting: Optical and Electrical Enhancement of Hydrogen Evolution by MoS ₂ @MoO ₃ Core-Shell Nanowires with Designed Tunable Plasmon Resonance (Adv. Funct. Mater. 32/2018). Advanced Functional Materials, 2018, 28, 1870226.	14.9	3
71	Elaborate construction of N/S-co-doped carbon nanobowls for ultrahigh-power supercapacitors. Journal of Materials Chemistry A, 2018, 6, 17653-17661.	10.3	102
72	Poly-albumen: Bio-derived structural polymer from polymerized egg white. Materials Today Chemistry, 2018, 9, 73-79.	3.5	7

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73	Dramatically Enhanced Ion Conductivity of Gel Polymer Electrolyte for Supercapacitor via h-BN Nanosheets Doping. <i>Electrochimica Acta</i> , 2017, 227, 455-461.	5.2	40
74	Dual Functionalities of Carbon Nanotube Films for Dendrite-Free and High Energyâ€“High Power Lithiumâ€“Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4605-4613.	8.0	67
75	Uniform growth of MoS ₂ nanosheets on carbon nanofibers with enhanced electrochemical utilization for Li-ion batteries. <i>Electrochimica Acta</i> , 2017, 231, 396-402.	5.2	53
76	Chaotic region of elastically restrained single-walled carbon nanotube. <i>Chaos</i> , 2017, 27, 023118.	2.5	20
77	High Toughness in Ultralow Density Graphene Oxide Foam. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700030.	3.7	20
78	Ferroelectricâ€“Enhanced Polysulfide Trapping for Lithiumâ€“Sulfur Battery Improvement. <i>Advanced Materials</i> , 2017, 29, 1604724.	21.0	149
79	Carbon Nanotubeâ€“Multilayered Graphene Edge Plane Coreâ€“Shell Hybrid Foams for Ultrahighâ€“Performance Electromagneticâ€“Interference Shielding. <i>Advanced Materials</i> , 2017, 29, 1701583.	21.0	560
80	Allâ€“Manganeseâ€“Based Binderâ€“Free Stretchable Lithiumâ€“Ion Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1700369.	19.5	35
81	Facile synthesis of cobalt hexacyanoferrate/graphene nanocomposites for high-performance supercapacitor. <i>Electrochimica Acta</i> , 2017, 235, 114-121.	5.2	77
82	Fluorinated, Sulfur-Rich, Covalent Triazine Frameworks for Enhanced Confinement of Polysulfides in Lithiumâ€“Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37731-37738.	8.0	164
83	Edge-oriented SnS ₂ nanosheet arrays on carbon paper as advanced binder-free anodes for Li-ion and Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23115-23122.	10.3	76
84	Au/TiO ₂ Hollow Spheres with Synergistic Effect of Plasmonic Enhancement and Light Scattering for Improved Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31691-31698.	8.0	49
85	Superior Potassium Ion Storage via Vertical MoS ₂ â€œNanoâ€“Roseâ€“with Expanded Interlayers on Graphene. <i>Small</i> , 2017, 13, 1701471.	10.0	221
86	Design and preparation of porous carbons from conjugated polymer precursors. <i>Materials Today</i> , 2017, 20, 629-656.	14.2	133
87	Cation exchange formation of prussian blue analogue submicroboxes for high-performance Na-ion hybrid supercapacitors. <i>Nano Energy</i> , 2017, 39, 647-653.	16.0	204
88	Bidirectional Correlation between Mechanics and Electrochemistry of Poly(vinyl alcohol)-Based Gel Polymer Electrolytes. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 6106-6112.	4.6	7
89	Energy Storage: Superior Potassium Ion Storage via Vertical MoS ₂ â€œNanoâ€“Roseâ€“with Expanded Interlayers on Graphene (Small 42/2017). <i>Small</i> , 2017, 13, .	10.0	2
90	Axial dynamic buckling analysis of embedded single-walled carbon nanotube by complex structure-preserving method. <i>Applied Mathematical Modelling</i> , 2017, 52, 15-27.	4.2	27

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91	Facile synthesis of Mesoporouscobalt Hexacyanoferrate Nanocubes for High-Performance Supercapacitors. <i>Nanomaterials</i> , 2017, 7, 228.	4.1	14
92	Coaxial MoS ₂ @Carbon Hybrid Fibers: A Low-Cost Anode Material for High-Performance Li-Ion Batteries. <i>Materials</i> , 2017, 10, 174.	2.9	33
93	Facile Synthesis of V ₂ O ₅ Hollow Spheres as Advanced Cathodes for High-Performance Lithium-Ion Batteries. <i>Materials</i> , 2017, 10, 77.	2.9	28
94	Self-Supported Ni(P, O) _x MoO _x Nanowire Array on Nickel Foam as an Efficient and Durable Electrocatalyst for Alkaline Hydrogen Evolution. <i>Nanomaterials</i> , 2017, 7, 433.	4.1	5
95	High-performance all-solid-state asymmetric stretchable supercapacitors based on wrinkled MnO ₂ /CNT and Fe ₂ O ₃ /CNT macrofilms. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12289-12295.	10.3	124
96	Use of a novel layered titanoniobate as an anode material for long cycle life sodium ion batteries. <i>RSC Advances</i> , 2016, 6, 35746-35750.	3.6	27
97	Hybrid nanostructures of metal/two-dimensional nanomaterials for plasmon-enhanced applications. <i>Chemical Society Reviews</i> , 2016, 45, 3145-3187.	38.1	341
98	Nanomaterials for Stretchable Energy Storage and Conversion Devices. <i>Nanoscience and Technology</i> , 2016, , 159-191.	1.5	3
99	Highly Flexible Graphene/Mn ₃ O ₄ Nanocomposite Membrane as Advanced Anodes for Li-Ion Batteries. <i>ACS Nano</i> , 2016, 10, 6227-6234.	14.6	291
100	Au NPs@MoS ₂ Sub-Micrometer Sphere-ZnO Nanorod Hybrid Structures for Efficient Photocatalytic Hydrogen Evolution with Excellent Stability. <i>Small</i> , 2016, 12, 5692-5701.	10.0	118
101	All-Solid-State Stretchable Pseudocapacitors Enabled by Carbon Nanotube Film-Capped Sandwich-like Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25243-25250.	8.0	11
102	Encasing Si particles within a versatile TiO ₂ -x% layer as an extremely reversible anode for high energy-density lithium-ion battery. <i>Nano Energy</i> , 2016, 30, 745-755.	16.0	33
103	Constraining Si Particles within Graphene Foam Monolith: Interfacial Modification for High-Performance Li ⁺ Storage and Flexible Integrated Configuration. <i>Advanced Functional Materials</i> , 2016, 26, 6797-6806.	14.9	82
104	Controllable and Predictable Viscoelastic Behavior of 3D Boron-Doped Multiwalled Carbon Nanotube Sponges. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 21-26.	2.3	6
105	Au Multimer@MoS ₂ hybrid structures for efficient photocatalytical hydrogen production via strongly plasmonic coupling effect. <i>Nano Energy</i> , 2016, 30, 549-558.	16.0	98
106	Expanded graphite embedded with aluminum nanoparticles as superior thermal conductivity anodes for high-performance lithium-ion batteries. <i>Scientific Reports</i> , 2016, 6, 33833.	3.3	43
107	A Novel TiO ₂ -Wrapped Activated Carbon Fiber/Sulfur Hybrid Cathode for High Performance Lithium Sulfur Batteries. <i>Electrochimica Acta</i> , 2016, 210, 415-421.	5.2	34
108	Integrated Auto-Reconfigurable Power-Supply Network With Multidirectional Energy Transfer for Self-Reliant Energy-Harvesting Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2016, 63, 2850-2861.	7.9	18

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109	One-step synthesis of NiCo ₂ S ₄ ultrathin nanosheets on conductive substrates as advanced electrodes for high-efficient energy storage. <i>Journal of Power Sources</i> , 2016, 306, 100-106.	7.8	163
110	All-manganese-based Li-ion batteries with high rate capability and ultralong cycle life. <i>Nano Energy</i> , 2016, 22, 524-532.	16.0	84
111	Controlled synthesis of NiCo ₂ S ₄ nanostructures on nickel foams for high-performance supercapacitors. <i>Energy Storage Materials</i> , 2016, 2, 1-7.	18.0	59
112	The importance of raw graphite size to the capacitive properties of graphene oxide. <i>RSC Advances</i> , 2016, 6, 17023-17028.	3.6	10
113	A Facile Route to Metal Oxides/Single-Walled Carbon Nanotube Macrofilm Nanocomposites for Energy Storage. <i>Frontiers in Materials</i> , 2015, 2, .	2.4	9
114	Fast and stable redox reactions of MnO ₂ /CNT hybrid electrodes for dynamically stretchable pseudocapacitors. <i>Nanoscale</i> , 2015, 7, 11626-11632.	5.6	56
115	Synthesis of ultralong MnO/C coaxial nanowires as freestanding anodes for high-performance lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13699-13705.	10.3	133
116	Engineering of MnO ₂ -based nanocomposites for high-performance supercapacitors. <i>Progress in Materials Science</i> , 2015, 74, 51-124.	32.8	449
117	Dynamically stretchable supercapacitors based on graphene woven fabric electrodes. <i>Nano Energy</i> , 2015, 15, 83-91.	16.0	84
118	Advanced engineering of nanostructured carbons for lithium-sulfur batteries. <i>Nano Energy</i> , 2015, 15, 413-444.	16.0	226
119	Spatial strain variation of graphene films for stretchable electrodes. <i>Carbon</i> , 2015, 93, 620-624.	10.3	32
120	One-step route synthesis of active carbon@La ₂ NiO ₄ /NiO hybrid coatings as supercapacitor electrode materials: Significant improvements in electrochemical performance. <i>Journal of Electroanalytical Chemistry</i> , 2015, 742, 1-7.	3.8	25
121	High-Performance Organic Solar Cells with Broadband Absorption Enhancement and Reliable Reproducibility Enabled by Collective Plasmonic Effects. <i>Advanced Optical Materials</i> , 2015, 3, 1220-1231.	7.3	66
122	Stretchable Wire-Shaped Asymmetric Supercapacitors Based on Pristine and MnO ₂ Coated Carbon Nanotube Fibers. <i>ACS Nano</i> , 2015, 9, 6088-6096.	14.6	283
123	An all-copper plasmonic sandwich system obtained through directly depositing copper NPs on a CVD grown graphene/copper film and its application in SERS. <i>Nanoscale</i> , 2015, 7, 11291-11299.	5.6	62
124	TiO ₂ enhanced ultraviolet detection based on a graphene/Si Schottky diode. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8133-8138.	10.3	46
125	Hyperelasticity of three-dimensional carbon nanotube sponge controlled by the stiffness of covalent junctions. <i>Carbon</i> , 2015, 95, 640-645.	10.3	11
126	Dielectric capacitors with three-dimensional nanoscale interdigital electrodes for energy storage. <i>Science Advances</i> , 2015, 1, e1500605.	10.3	49

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127	Understanding the nanoscale local buckling behavior of vertically aligned MWCNT arrays with van der Waals interactions. <i>Nanoscale</i> , 2015, 7, 14299-14304.	5.6	25
128	Facile fabrication of MnO/C core-shell nanowires as an advanced anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2015, 180, 990-997.	5.2	82
129	Fabrication of a novel TiO ₂ /S composite cathode for high performance lithium-sulfur batteries. <i>RSC Advances</i> , 2015, 5, 77348-77353.	3.6	29
130	Facile decolorization of methylene blue with flower-like manganese wads. <i>Water Science and Technology</i> , 2014, 69, 1094-1100.	2.5	3
131	Evolutionary search for new high- <i>k</i> dielectric materials: methodology and applications to hafnia-based oxides. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2014, 70, 76-84.	0.5	44
132	Ultrafast and scalable laser liquid synthesis of tin oxide nanotubes and its application in lithium ion batteries. <i>Nanoscale</i> , 2014, 6, 5853-5858.	5.6	36
133	Synthesis of flower-like manganese wad and its decolorization performance for azo dye Congo red. <i>Chemical Research in Chinese Universities</i> , 2014, 30, 306-309.	2.6	1
134	Carbon Nanotube Fiber Based Stretchable Wire-Shaped Supercapacitors. <i>Advanced Energy Materials</i> , 2014, 4, 1300759.	19.5	313
135	Tunable self-discharge process of carbon nanotube based supercapacitors. <i>Nano Energy</i> , 2014, 4, 14-22.	16.0	120
136	Facile synthesis of hierarchical conducting polypyrrole nanostructures via a reactive template of MnO ₂ and their application in supercapacitors. <i>RSC Advances</i> , 2014, 4, 199-202.	3.6	110
137	In situ synthesis of SWNTs@MnO ₂ /polypyrrole hybrid film as binder-free supercapacitor electrode. <i>Nano Energy</i> , 2014, 9, 245-251.	16.0	89
138	Fragmented Carbon Nanotube Macrofilms as Adhesive Conductors for Lithium-Ion Batteries. <i>ACS Nano</i> , 2014, 8, 3049-3059.	14.6	23
139	Materials and Structures for Stretchable Energy Storage and Conversion Devices. <i>Advanced Materials</i> , 2014, 26, 3592-3617.	21.0	363
140	Anomalous Capacitive Behaviors of Graphene Oxide Based Solid-State Supercapacitors. <i>Nano Letters</i> , 2014, 14, 1938-1943.	9.1	78
141	Electromagnetic Wave Absorbing Properties of Amorphous Carbon Nanotubes. <i>Scientific Reports</i> , 2014, 4, 5619.	3.3	148
142	Mesoporous LaNiO ₃ /NiO nanostructured thin films for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9730.	10.3	40
143	V ₂ O ₅ /single-walled carbon nanotube hybrid mesoporous films as cathodes with high-rate capacities for rechargeable lithium ion batteries. <i>Nano Energy</i> , 2013, 2, 481-490.	16.0	43
144	Hydrothermal synthesis of single-walled carbon nanotube-TiO ₂ hybrid and its photocatalytic activity. <i>Applied Surface Science</i> , 2013, 270, 238-244.	6.1	80

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145	Flexible all solid-state supercapacitors based on chemical vapor deposition derived graphene fibers. Physical Chemistry Chemical Physics, 2013, 15, 17752.	2.8	156
146	MnOx/SWCNT macro-films as flexible binder-free anodes for high-performance Li-ion batteries. Nano Energy, 2013, 2, 733-741.	16.0	91
147	Three-Dimensional Nitrogen-Doped Multiwall Carbon Nanotube Sponges with Tunable Properties. Nano Letters, 2013, 13, 5514-5520.	9.1	110
148	High Rate Capability of Hydrogen Annealed Iron Oxide/SWCNT Single Walled Carbon Nanotube Hybrid Films for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2013, 5, 10246-10252.	8.0	23
149	A perspective: carbon nanotube macro-films for energy storage. Energy and Environmental Science, 2013, 6, 3183-3201.	30.8	168
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