Mingdeng Wei

List of Publications by Year
in descending order

169 papers	8,508 citations	36303 51 h-index	54911 84 g-index
175 all docs	175 docs citations	175 times ranked	8890 citing authors

#	Article	IF	Citations
1	Metalâ€“organic frameworks: a new promising class of materials for a high performance supercapacitor electrode. Journal of Materials Chemistry A, 2014, 2, 16640-16644.	10.3	505
2	Zn-doped Ni-MOF material with a high supercapacitive performance. Journal of Materials Chemistry A, 2014, 2, 19005-19010.	10.3	395
3	Biological impact of lead from halide perovskites reveals the risk of introducing a safe threshold. Nature Communications, 2020, 11, 310.	12.8	313
4	Layered Structural Coâ€Based MOF with Conductive Network Frames as a New Supercapacitor Electrode. Chemistry - A European Journal, 2017, 23, 631-636.	3.3	257
5	Rational Design and General Synthesis of Sâ€Doped Hard Carbon with Tunable Doping Sites toward Excellent Naâ€Ion Storage Performance. Advanced Materials, 2018, 30, e1802035.	21.0	239
6	Valence Engineering via Selective Atomic Substitution on Tetrahedral Sites in Spinel Oxide for Highly Enhanced Oxygen Evolution Catalysis. Journal of the American Chemical Society, 2019, 141, 8136-8145.	13.7	220
7	Layered H₂Ti₆O₁₃â€Nanowires: A New Promising Pseudocapacitive Material in Nonâ€Aqueous Electrolyte. Advanced Functional Materials, 2012, 22, 5185-5193.	14.9	213
8	Metalâ€“organic frameworks: promising materials for improving the open circuit voltage of dye-sensitized solar cells. Journal of Materials Chemistry, 2011, 21, 17259.	6.7	176
9	Additive-free synthesis of unique TiO₂mesocrystals with enhanced lithium-ion intercalation properties. Energy and Environmental Science, 2012, 5, 5408-5413.	30.8	145
10	Rational design of few-layer MoSe₂ confined within ZnSeâ€“C hollow porous spheres for high-performance lithium-ion and sodium-ion batteries. Nanoscale, 2019, 11, 6766-6775.	5.6	143
11	MoO₂-Ordered Mesoporous Carbon Nanocomposite as an Anode Material for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2013, 5, 2182-2187.	8.0	138
12	Hierarchical cerium oxide derived from metal-organic frameworks for high performance supercapacitor electrodes. Electrochimica Acta, 2016, 222, 773-780.	5.2	120
13	Complex spinel titanate nanowires for a high rate lithium-ion battery. Energy and Environmental Science, 2011, 4, 1886.	30.8	115
14	Ordered mesoporous TiO2â€“C nanocomposite as an anode material for long-term performance lithium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 4293.	10.3	111
15	Metalâ€“organic frameworks at interfaces of hybrid perovskite solar cells for enhanced photovoltaic properties. Chemical Communications, 2018, 54, 1253-1256.	4.1	106
16	Self-assembled nanoporous rutile TiO2 mesocrystals with tunable morphologies for high rate lithium-ion batteries. Nano Energy, 2012, 1, 466-471.	16.0	97
17	Hierarchical spheres constructed by ultrathin VS₂ nanosheets for sodium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 3691-3696.	10.3	94
18	A new promising Ni-MOF superstructure for high-performance supercapacitors. Chemical Communications, 2020, 56, 1803-1806.	4.1	93

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19	Hierarchical MoS2@RGO nanosheets for high performance sodium storage. Journal of Power Sources, 2016, 331, 50-57.	7.8	92
20	Highâ€Rate, Large Capacity, and Long Life Dendriteâ€Free Zn Metal Anode Enabled by Trifunctional Electrolyte Additive with a Wide Temperature Range. Advanced Science, 2022, 9, .	11.2	91
21	In situ simultaneous encapsulation of defective MoS2 nanolayers and sulfur nanodots into SPAN fibers for high rate sodium-ion batteries. Chemical Engineering Journal, 2021, 404, 126430.	12.7	90
22	Co-construction of sulfur vacancies and carbon confinement in V₅S₈/CNFs to induce an ultra-stable performance for half/full sodium-ion and potassium-ion batteries. Nanoscale, 2021, 13, 5033-5044.	5.6	90
23	Composites of V2O3â€“ordered mesoporous carbon as anode materials for lithium-ion batteries. Carbon, 2013, 62, 382-388.	10.3	89
24	V3Se4 embedded within N/P co-doped carbon fibers for sodium/potassium ion batteries. Chemical Engineering Journal, 2021, 419, 129607.	12.7	89
25	Ge/GeO₂-Ordered Mesoporous Carbon Nanocomposite for Rechargeable Lithium-Ion Batteries with a Long-Term Cycling Performance. ACS Applied Materials & Interfaces, 2016, 8, 232-239.	8.0	88
26	Graphene quantum dots decorated TiO2 mesoporous film as an efficient electron transport layer for high-performance perovskite solar cells. Journal of Power Sources, 2018, 402, 320-326.	7.8	86
27	Structural engineering of tin sulfides anchored on nitrogen/phosphorus dual-doped carbon nanofibres in sodium/potassium-ion batteries. Carbon, 2022, 189, 46-56.	10.3	86
28	A CMK-5-encapsulated MoSe₂ composite for rechargeable lithium-ion batteries with improved electrochemical performance. Journal of Materials Chemistry A, 2017, 5, 19632-19638.	10.3	85
29	Layered titanate nanostructures and their derivatives as negative electrode materials for lithium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 4403.	10.3	84
30	In situ synthesis of GeO₂/reduced graphene oxide composite on Ni foam substrate as a binder-free anode for high-capacity lithium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 1619-1623.	10.3	83
31	Facile synthesis of rutile TiO₂ mesocrystals with enhanced sodium storage properties. Journal of Materials Chemistry A, 2015, 3, 17412-17416.	10.3	80
32	Co₉S₈ embedded into N/S doped carbon composites: in situ derivation from a sulfonate-based metalâ€“organic framework and its electrochemical properties. Journal of Materials Chemistry A, 2019, 7, 10331-10337.	10.3	75
33	Hierarchically porous TiO₂microspheres as a high performance anode for lithium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 1102-1106.	10.3	72
34	Preparation of a Si/SiO₂â€“Orderedâ€Mesoporousâ€Carbon Nanocomposite as an Anode for Highâ€Performance Lithiumâ€Ion and Sodiumâ€Ion Batteries. Chemistry - A European Journal, 2018, 24, 4841-4848.	3.3	70
35	An Sn doped 1Tâ€“2H MoS₂ few-layer structure embedded in N/P co-doped bio-carbon for high performance sodium-ion batteries. Chemical Communications, 2019, 55, 3614-3617.	4.1	69
36	Metalâ€“Organic Framework Derived Hierarchical Porous Anatase TiO₂ as a Photoanode for Dye-Sensitized Solar Cell. Crystal Growth and Design, 2016, 16, 121-125.	3.0	68

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37	ZnV2O4â€“CMK nanocomposite as an anode material for rechargeable lithium-ion batteries. Journal of Materials Chemistry, 2012, 22, 14284.	6.7	67
38	Sensitive electrochemical microbial biosensor for p-nitrophenylorganophosphates based on electrode modified with cell surface-displayed organophosphorus hydrolase and ordered mesopore carbons. Biosensors and Bioelectronics, 2014, 60, 137-142.	10.1	67
39	In situ fabrication of ultrathin few-layered WSe2 anchored on N, P dual-doped carbon by bioreactor for half/full sodium/potassium-ion batteries with ultralong cycling lifespan. Journal of Colloid and Interface Science, 2020, 574, 217-228.	9.4	67
40	Iso-Oriented Anatase TiO2 Mesocages as a High Performance Anode Material for Sodium-Ion Storage. Scientific Reports, 2015, 5, 11960.	3.3	66
41	Synthesis of Mesoporous Co²⁺-Doped TiO₂ Nanodisks Derived from Metal Organic Frameworks with Improved Sodium Storage Performance. ACS Applied Materials & Interfaces, 2017, 9, 32071-32079.	8.0	64
42	Hierarchical Composite of Roseâ€Like VS₂@S/Nâ€Doped Carbon with Expanded (001) Planes for Superior Liâ€Ion Storage. Small, 2019, 15, e1903904.	10.0	64
43	Green synthesis of a Se/HPCFâ€“rGO composite for Liâ€“Se batteries with excellent long-term cycling performance. Journal of Materials Chemistry A, 2017, 5, 22997-23005.	10.3	61
44	Facile Synthesis of Ultraâ€Small Fewâ€Layer Nanostructured MoSe₂ Embedded on N, P Coâ€Doped Bioâ€Carbon for Highâ€Performance Half/Full Sodiumâ€Ion and Potassiumâ€Ion Batteries. Chemistry - A European Journal, 2019, 25, 13411-13421.	3.3	61
45	Hierarchical TiO_{2âˆ’x} imbedded with graphene quantum dots for high-performance lithium storage. Chemical Communications, 2018, 54, 1413-1416.	4.1	60
46	Hierarchical Cobaltâ€Based Metalâ€“Organic Framework for Highâ€Performance Lithiumâ€Ion Batteries. Chemistry - A European Journal, 2018, 24, 13362-13367.	3.3	60
47	A one-step synthesis of porous V₂O₃@C hollow spheres as a high-performance anode for lithium-ion batteries. Chemical Communications, 2018, 54, 7346-7349.	4.1	59
48	Metalâ€“Organic Frameworks at Interfaces in Dyeâ€Sensitized Solar Cells. ChemSusChem, 2014, 7, 2469-2472.	6.8	57
49	Metalâ€“organic frameworks: Promising materials for enhancing electrochemical properties of nanostructured Zn2SnO4 anode in Li-ion batteries. CrystEngComm, 2012, 14, 2112.	2.6	56
50	Facile synthesis of V6O13 micro-flowers for Li-ion and Na-ion battery cathodes with good cycling performance. Journal of Colloid and Interface Science, 2014, 425, 1-4.	9.4	55
51	An in situ formed Se/CMK-3 composite for rechargeable lithium-ion batteries with long-term cycling performance. Journal of Materials Chemistry A, 2016, 4, 13646-13651.	10.3	54
52	Rational Design of Hierarchical SnS₂ Microspheres with S Vacancy for Enhanced Sodium Storage Performance. ACS Sustainable Chemistry and Engineering, 2020, 8, 9519-9525.	6.7	52
53	Hollow SiO2 microspheres coated with nitrogen doped carbon layer as an anode for high performance lithium-ion batteries. Electrochimica Acta, 2019, 306, 106-112.	5.2	51
54	Electrospun VSe_{1.5}/CNF composite with excellent performance for alkali metal ion batteries. Nanoscale, 2019, 11, 16308-16316.	5.6	50

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55	Synthesis of hierarchical ZnV₂O₄microspheres and its electrochemical properties. CrystEngComm, 2014, 16, 10309-10313.	2.6	48
56	Carbon coated anatase TiO 2 mesocrystals enabling ultrastable and robust sodium storage. Journal of Power Sources, 2017, 359, 64-70.	7.8	47
57	In Situ Synthesis of WSe₂/CMK-5 Nanocomposite for Rechargeable Lithium-Ion Batteries with a Long-Term Cycling Stability. ACS Sustainable Chemistry and Engineering, 2018, 6, 4688-4694.	6.7	47
58	SPINEL Li₂MTi₃O₈(<font>M = Mg,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (STORAGE. Functional Materials Letters, 2011, 04, 65-69.	1.2	46
59	Rutile TiO2 Mesocrystals/Reduced Graphene Oxide with High-Rate and Long-Term Performance for Lithium-Ion Batteries. Scientific Reports, 2015, 5, 8498.	3.3	46
60	Sulfur-Doped Anatase TiO₂ as an Anode for High-Performance Sodium-Ion Batteries. ACS Applied Energy Materials, 2019, 2, 3791-3797.	5.1	46
61	An ultra-small few-layer MoS2-hierarchical porous carbon fiber composite obtained via nanocasting synthesis for sodium-ion battery anodes with excellent long-term cycling performance. Dalton Transactions, 2019, 48, 4149-4156.	3.3	44
62	Ultrasensitive electrochemical sensor for p-nitrophenyl organophosphates based on ordered mesoporous carbons at low potential without deoxygenization. Analytica Chimica Acta, 2014, 822, 23-29.	5.4	41
63	MoS2 hollow spheres in ether-based electrolyte for high performance sodium ion battery. Journal of Colloid and Interface Science, 2019, 548, 20-24.	9.4	40
64	Nbâ€Doped Rutile TiO₂ Mesocrystals with Enhanced Lithium Storage Properties for Lithium Ion Battery. Chemistry - A European Journal, 2017, 23, 5059-5065.	3.3	39
65	Two-dimensional MoN@N-doped carbon hollow spheres as an anode material for high performance lithium-ion battery. Electrochimica Acta, 2019, 295, 246-252.	5.2	39
66	Facile fabrication of a vanadium nitride/carbon fiber composite for half/full sodium-ion and potassium-ion batteries with long-term cycling performance. Nanoscale, 2020, 12, 10693-10702.	5.6	39
67	Metal platinum-wrapped mesoporous carbon for sensitive electrochemical immunosensing based on cyclodextrin functionalized graphene nanosheets. Electrochimica Acta, 2012, 68, 158-165.	5.2	37
68	Ultrathin TiO2-B nanowires with enhanced electrochemical performance for Li-ion batteries. Journal of Materials Chemistry A, 2015, 3, 10038-10044.	10.3	37
69	TiO₂-B nanowires via topological conversion with enhanced lithium-ion intercalation properties. Journal of Materials Chemistry A, 2019, 7, 3842-3847.	10.3	37
70	High-Performance Lithium-Ion-Based Dual-Ion Batteries Enabled by Few-Layer MoSe₂/Nitrogen-Doped Carbon. ACS Sustainable Chemistry and Engineering, 2020, 8, 5514-5523.	6.7	37
71	Rutile TiO₂ Mesocrystals as Sulfur Host for Highâ€Performance Lithiumâ€“Sulfur Batteries. Chemistry - A European Journal, 2017, 23, 16312-16318.	3.3	36
72	Stabilizing intermediate phases via the efficient confinement effects of the SnS₂-SPAN fibre composite for ultra-stable half/full sodium/potassium-ion batteries. Journal of Materials Chemistry A, 2022, 10, 11449-11457.	10.3	36

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73	Facile synthesis of hierarchical MnO2 sub-microspheres composed of nanosheets and their application for supercapacitors. RSC Advances, 2014, 4, 40753-40757.	3.6	35
74	A multi-functional gum arabic binder for NiFe₂O₄ nanotube anodes enabling excellent Li/Na-ion storage performance. Journal of Materials Chemistry A, 2017, 5, 18138-18147.	10.3	35
75	Metalâ€“organic framework-derived hollow structure CoS₂/nitrogen-doped carbon spheres for high-performance lithium/sodium ion batteries. Chemical Communications, 2020, 56, 3951-3954.	4.1	35
76	Hierarchically porous anatase TiO₂microspheres composed of tiny octahedra with enhanced electrochemical properties in lithium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 20133-20138.	10.3	34
77	Facile synthesis of ammonium vanadium oxide nanorods for Na-ion battery cathodes. Journal of Colloid and Interface Science, 2014, 428, 73-77.	9.4	34
78	Rapid and facile synthesis of hierarchically mesoporous TiO₂â€“B with enhanced reversible capacity and rate capability. Journal of Materials Chemistry A, 2018, 6, 1196-1200.	10.3	34
79	Highly Efficient Perovskite Solar Cells Based on a Zn₂SnO₄ Compact Layer. ACS Applied Materials & Interfaces, 2019, 11, 36553-36559.	8.0	34
80	Reversible conversion reaction of GeO₂ boosts lithium-ion storage via Fe doping. Journal of Materials Chemistry A, 2019, 7, 4574-4580.	10.3	34
81	Efficient Dye-Sensitized Solar Cells Composed of Nanostructural ZnO Doped with Ti. Catalysts, 2019, 9, 273.	3.5	34
82	Ethanol thermal reduction synthesis of hierarchical MoO₂â€“C hollow spheres with high rate performance for lithium ion batteries. RSC Advances, 2016, 6, 105558-105564.	3.6	33
83	Brookite TiO₂ mesocrystals with enhanced lithium-ion intercalation properties. Chemical Communications, 2018, 54, 11491-11494.	4.1	33
84	Facile Deposition of Nb₂O₅ Thin Film as an Electron-Transporting Layer for Highly Efficient Perovskite Solar Cells. ACS Applied Nano Materials, 2018, 1, 4101-4109.	5.0	33
85	TiO2-B as an electron transporting material for highly efficient perovskite solar cells. Journal of Power Sources, 2019, 415, 8-14.	7.8	33
86	Facile synthesis of hierarchical lychee-like Zn3V3O8@C/rGO nanospheres as high-performance anodes for lithium ion batteries. Journal of Colloid and Interface Science, 2019, 533, 627-635.	9.4	33
87	N-Doped carbon encapsulating Bi nanoparticles derived from metalâ€“organic frameworks for high-performance sodium-ion batteries. Journal of Materials Chemistry A, 2021, 9, 22048-22055.	10.3	33
88	Nitrogen-doped carbon encapsulated zinc vanadate polyhedron engineered from a metalâ€“organic framework as a stable anode for alkali ion batteries. Journal of Colloid and Interface Science, 2021, 593, 251-265.	9.4	33
89	Synthesis and characterization of nanosheet-shaped titanium dioxide. Journal of Materials Science, 2007, 42, 529-533.	3.7	31
90	Template-free synthesis of metallic WS2 hollow microspheres as an anode for the sodium-ion battery. Journal of Colloid and Interface Science, 2019, 557, 722-728.	9.4	31

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91	Enhanced Performance of Sn-Based Perovskite Solar Cells by Two-Dimensional Perovskite Doping. ACS Sustainable Chemistry and Engineering, 2020, 8, 8624-8628.	6.7	31
92	One-step hydrothermal synthesis of Nb doped brookite TiO₂ nanosheets with enhanced lithium-ion intercalation properties. Journal of Materials Chemistry A, 2015, 3, 18882-18888.	10.3	30
93	Nanocomposite of Mo₂N Quantum Dots@MoO₃@Nitrogen-Doped Carbon as a High-Performance Anode for Lithium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2019, 7, 10198-10206.	6.7	30
94	Dual carbon decorated germanium-carbon composite as a stable anode for sodium/potassium-ion batteries. Journal of Colloid and Interface Science, 2021, 584, 372-381.	9.4	30
95	Facile preparation of a V₂O₃/carbon fiber composite and its application for long-term performance lithium-ion batteries. New Journal of Chemistry, 2017, 41, 5380-5386.	2.8	29
96	Hierarchical TiO2-B composed of nanosheets with exposed {010} facets as a high-performance anode for lithium ion batteries. Journal of Power Sources, 2018, 392, 226-231.	7.8	29
97	ULTRATHIN Li₄Ti₅O₁₂ NANOSHEETS AS A HIGH PERFORMANCE ANODE FOR Li-ION BATTERY. Functional Materials Letters, 2011, 04, 389-393.	1.2	28
98	Efficiency enhanced dye-sensitized Zn₂SnO₄solar cells using a facile chemical-bath deposition method. New Journal of Chemistry, 2014, 38, 4465.	2.8	28
99	Template-free fabrication of 1D core-shell MoO2@MoS2/nitrogen-doped carbon nanorods for enhanced lithium/sodium-ion storage. Journal of Colloid and Interface Science, 2021, 588, 804-812.	9.4	28
100	Dâ€“Aâ€“Ï€â€“A organic sensitizer surface passivation for efficient and stable perovskite solar cells. Journal of Materials Chemistry A, 2021, 9, 25086-25093.	10.3	28
101	An inorganic stable Sn-based perovskite film with regulated nucleation for solar cell application. Journal of Materials Chemistry C, 2020, 8, 8840-8845.	5.5	27
102	Preparation of Ge/N, S co-doped ordered mesoporous carbon composite and its long-term cycling performance of lithium-ion batteries. Electrochimica Acta, 2019, 318, 737-745.	5.2	26
103	In situ synthesis of Mn3O4 on Ni foam/graphene substrate as a newly self-supported electrode for high supercapacitive performance. Journal of Colloid and Interface Science, 2019, 534, 665-671.	9.4	26
104	Fabrication of Zn2SnO4 microspheres with controllable shell numbers for highly efficient dye-sensitized solar cells. Solar Energy, 2019, 181, 424-429.	6.1	25
105	General Synthesis of Sulfonateâ€Based Metalâ€“Organic Framework Derived Composite of M_xS_y@N/Sâ€Doped Carbon for Highâ€Performance Lithium/Sodium Ion Batteries. Chemistry - A European Journal, 2021, 27, 2104-2111.	3.3	23
106	Facile synthesis of Li₂MnO₃nanowires for lithium-ion battery cathodes. New Journal of Chemistry, 2014, 38, 584-587.	2.8	22
107	Nanocomposite of ultra-small MoO2 embedded in nitrogen-doped carbon: In situ derivation from an organic molybdenum complex and its superior Li-Ion storage performance. Journal of Colloid and Interface Science, 2021, 592, 33-41.	9.4	22
108	Synthesis of TiO2 nanoparticles with tunable dominant exposed facets (010), (001) and (106). CrystEngComm, 2013, 15, 3040.	2.6	21

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109	Low crystalline 1T-MoS2@S-doped carbon hollow spheres as an anode material for Lithium-ion battery. Journal of Colloid and Interface Science, 2021, 601, 411-417.	9.4	21
110	Flexible dye-sensitized ZnO quantum dots solar cells. RSC Advances, 2012, 2, 9565.	3.6	20
111	Hierarchical LiZnVO₄@C nanostructures with enhanced cycling stability for lithium-ion batteries. Dalton Transactions, 2015, 44, 7967-7972.	3.3	20
112	Plasmonic Effects of Silver Nanoparticles Embedded in the Counter Electrode on the Enhanced Performance of Dye-Sensitized Solar Cells. Langmuir, 2018, 34, 5367-5373.	3.5	20
113	Anatase TiO₂ Quantum Dots with a Narrow Band Gap of 2.85 eV Based on Surface Hydroxyl Groups Exhibiting Significant Photodegradation Property. European Journal of Inorganic Chemistry, 2018, 2018, 1506-1510.	2.0	20
114	Facile synthesis of VN hollow spheres as an anode for lithium-ion battery. Journal of Electroanalytical Chemistry, 2019, 848, 113360.	3.8	20
115	Cu2S hollow spheres as an anode for high-rate sodium storage performance. Journal of Electroanalytical Chemistry, 2020, 874, 114523.	3.8	20
116	Composite of K-doped (NH₄)₂V₃O₈/graphene as an anode material for sodium-ion batteries. Dalton Transactions, 2015, 44, 18864-18869.	3.3	19
117	Rutile TiO 2 mesocrystals with tunable subunits as a long-term cycling performance anode for sodium-ion batteries. Journal of Alloys and Compounds, 2017, 699, 455-462.	5.5	19
118	Realization of ultra-long columnar single crystals in TiO₂ nanotube arrays as fast electron transport channels for high efficiency dye-sensitized solar cells. Journal of Materials Chemistry A, 2019, 7, 11520-11529.	10.3	19
119	ZnO nanowires array grown on Ga-doped ZnO single crystal for dye-sensitized solar cells. Scientific Reports, 2015, 5, 11499.	3.3	18
120	Highly efficient Zn2SnO4 perovskite solar cells through band alignment engineering. Chemical Communications, 2019, 55, 14673-14676.	4.1	18
121	Selective Synthesis of Rutile, Anatase, and Brookite Nanorods by a Hydrothermal Route. Current Nanoscience, 2010, 6, 479-482.	1.2	18
122	Highly Efficient Perovskite Solar Cells Based on Zn₂Ti₃O₈ Nanoparticles as Electron Transport Material. ChemSusChem, 2018, 11, 424-431.	6.8	17
123	In situ synthesis of g-C3N4 by glass-assisted annealing route to boost the efficiency of perovskite solar cells. Journal of Colloid and Interface Science, 2021, 591, 326-333.	9.4	17
124	Enhanced electrochemical performance of ammonium vanadium bronze through sodium cation intercalation and optimization of electrolyte. Journal of Colloid and Interface Science, 2014, 418, 273-276.	9.4	15
125	Synthesis of anatase TiO2 mesocrystals with highly exposed low-index facets for enhanced electrochemical performance. Electrochimica Acta, 2019, 319, 101-109.	5.2	15
126	Understanding the growth and photoelectrochemical properties of mesocrystals and single crystals: a case of anatase TiO₂. Physical Chemistry Chemical Physics, 2014, 16, 7441-7447.	2.8	14

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127	Synthesis of hierarchically mesoporous TiO2 spheres via a emulsion polymerization route for superior lithium-ion batteries. Journal of Electroanalytical Chemistry, 2018, 818, 1-9.	3.8	14
128	A hierarchical composite of GeO₂ nanotubes/N-doped carbon microspheres with high-rate and super-durable performance for lithium-ion batteries. Chemical Communications, 2019, 55, 14319-14322.	4.1	14
129	In situ fabrication of ZnOâ€“MoO2/C hetero-phase nanocomposite derived from MOFs with enhanced performance for lithium storage. Journal of Alloys and Compounds, 2020, 817, 152728.	5.5	14
130	SnS2 nanosheets anchored on porous carbon fibers for high performance of sodium-ion batteries. Journal of Electroanalytical Chemistry, 2020, 862, 114021.	3.8	14
131	Ionic Liquidâ€Assisted Crystallization and Defect Passivation for Efficient Perovskite Solar Cells with Enhanced Openâ€Circuit Voltage. ChemSusChem, 2022, 15, .	6.8	14
132	Nanocomposite Li₃V₂(PO₄)₃/carbon as a cathode material with high rate performance and long-term cycling stability in lithium-ion batteries. RSC Advances, 2015, 5, 57127-57132.	3.6	13
133	Improving the efficiency of dye-sensitized solar cells by photoanode surface modifications. Science China Materials, 2016, 59, 867-883.	6.3	13
134	ZnO nanosheets encapsulating graphene quantum dots with enhanced performance for dye-sensitized solar cell. Journal of Electroanalytical Chemistry, 2019, 840, 160-164.	3.8	13
135	Hierarchical Porous Anatase TiO2 Microspheres with High-Rate and Long-Term Cycling Stability for Sodium Storage in Ether-Based Electrolyte. ACS Applied Energy Materials, 2020, 3, 3619-3627.	5.1	13
136	In Situ Confined Co5Ge3 Alloy Nanoparticles in Nitrogen-Doped Carbon Nanotubes for Boosting Lithium Storage. ACS Applied Materials & Interfaces, 2020, 12, 46247-46253.	8.0	11
137	The optimized interface engineering of VS2 as cathodes for high performance all-solid-state lithium-ion battery. Science China Technological Sciences, 2022, 65, 1859-1866.	4.0	11
138	Heterogeneous TiO2@Nb2O5 composite as a high-performance anode for lithium-ion batteries. Scientific Reports, 2017, 7, 7204.	3.3	10
139	Covering effect of conductive glass: a facile route to tailor the grain growth of hybrid perovskites for highly efficient solar cells. Journal of Materials Chemistry A, 2018, 6, 20289-20296.	10.3	10
140	Bis(phenothiazylâ€ethynylene)â€Based Organic Dyes Containing Diâ€Anchoring Groups with Efficiency Comparable to N719 for Dyeâ€Sensitized Solar Cells. Chemistry - an Asian Journal, 2017, 12, 332-340.	3.3	9
141	Preparation of SnS2/enteromorpha prolifera derived carbon composite and its performance of sodium-ion batteries. Journal of Physics and Chemistry of Solids, 2021, 152, 109976.	4.0	9
142	Open-framework germanates derived GeO2/C nanocomposite as a long-life and high-capacity anode for lithium-ion batteries. Journal of Alloys and Compounds, 2021, 881, 160533.	5.5	9
143	Tin-based metal-phosphine complexes nanoparticles as long-cycle life electrodes for high-performance hybrid supercapacitors. Journal of Colloid and Interface Science, 2022, 606, 148-157.	9.4	8
144	Dual-carbon materials coated Ge/Si composite for high performance lithium-ion batteries. Electrochimica Acta, 2022, 417, 140337.	5.2	8

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145	TiO₂ Mesocrystals Processed at Low Temperature as the Electronâ€Transport Material in Perovskite Solar Cells. ChemSusChem, 2020, 13, 5256-5263.	6.8	7
146	Stable Li-ion storage in Ge/N-doped carbon microsphere anodes. Nanoscale, 2021, 13, 5307-5315.	5.6	7
147	Two-dimentional MoSe2/chitosan-derived nitrogen-doped carbon composite enabling stable sodium/potassium storage. Journal of Physics and Chemistry of Solids, 2022, 163, 110573.	4.0	7
148	Nitrogen-doped carbon coated silicon derived from a facile strategy with enhanced performance for lithium storage. Functional Materials Letters, 2016, 09, 1650055.	1.2	6
149	Hierarchically structural Ge encapsulated with nitrogen-doped carbon for high performance lithium storage. Journal of Electroanalytical Chemistry, 2019, 832, 182-188.	3.8	6
150	A composite of ultra-fine few-layer MoS₂ structures embedded on N,P-co-doped bio-carbon for high-performance sodium-ion batteries. New Journal of Chemistry, 2020, 44, 2046-2052.	2.8	6
151	Facile fabrication of WS₂ nanocrystals confined in chlorella-derived N, P co-doped bio-carbon for sodium-ion batteries with ultra-long lifespan. Dalton Transactions, 2021, 50, 14745-14752.	3.3	6
152	Algal residues-engaged formation of novel WVO4/V3Se4 hybrid nanostructure with carbon fiber confinement for enhanced long-term cycling stability in sodium/potassium storage. Journal of Alloys and Compounds, 2021, 892, 162177.	5.5	6
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