

# Mingdeng Wei

## List of Publications by Year in Descending Order

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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.

163 papers	6,060 citations	43 h-index	70 g-index
175 ext. papers	7,282 ext. citations	7.9 avg, IF	6.39 L-index

#	Paper	IF	Citations
163	Two-dimensional MoSe <sub>2</sub> /chitosan-derived nitrogen-doped carbon composite enabling stable sodium/potassium storage. <i>Journal of Physics and Chemistry of Solids</i> , <b>2022</b> , 163, 110573	3.9	2
162	Structural engineering of tin sulfides anchored on nitrogen/phosphorus dual-doped carbon nanofibres in sodium/potassium-ion batteries. <i>Carbon</i> , <b>2022</b> , 189, 46-56	10.4	12
161	Tin-based metal-phosphine complexes nanoparticles as long-cycle life electrodes for high-performance hybrid supercapacitors. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 606, 148-157	9.3	2
160	Structure engineering of BiSbS <sub>x</sub> nanocrystals embedded within sulfurized polyacrylonitrile fibers for high performance of potassium-ion batteries.. <i>Chemistry - A European Journal</i> , <b>2022</b> ,	4.8	1
159	Realizing Reversible Conversion-Alloying of GeO <sub>2</sub> /N-doped Carbon Nanocomposite with Oxygen Vacancies for Lithium-ion Batteries. <i>Materials Today Nano</i> , <b>2022</b> , 100196	9.7	
158	Dual-carbon materials coated Ge/Si composite for high performance lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2022</b> , 140337	6.7	1
157	Conductive-free Zn <sub>2</sub> GeO <sub>4</sub> @multi-walled carbon nanotubes for high-performance lithium-ion storage. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 165720	5.7	1
156	Self-Optimizing Effect in Lithium Storage of GeO Induced by Heterointerface Regulation. <i>Small</i> , <b>2021</b> , e2106067	11	2
155	Defect passivation of a perovskite film by ZnInS nanosheets for efficient and stable perovskite solar cells.. <i>Chemical Communications</i> , <b>2021</b> ,	5.8	2
154	A thioacetamide interlayer anchoring TiO <sub>2</sub> and (FAPbI <sub>3</sub> ) <sub>1-x</sub> (MAPbBr <sub>3</sub> ) <sub>x</sub> for high-performance perovskite solar cells. <i>Journal of the American Ceramic Society</i> , <b>2021</b> , 104, 5120-5126	3.8	0
153	Template-free fabrication of 1D core-shell MoO@MoS/nitrogen-doped carbon nanorods for enhanced lithium/sodium-ion storage. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 588, 804-812	9.3	10
152	Preparation of SnS <sub>2</sub> /enteromorpha prolifera derived carbon composite and its performance of sodium-ion batteries. <i>Journal of Physics and Chemistry of Solids</i> , <b>2021</b> , 152, 109976	3.9	3
151	Nanocomposite of ultra-small MoO embedded in nitrogen-doped carbon: In situ derivation from an organic molybdenum complex and its superior Li-Ion storage performance. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 592, 33-41	9.3	5
150	In situ synthesis of g-CN by glass-assisted annealing route to boost the efficiency of perovskite solar cells. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 591, 326-333	9.3	7
149	Nitrogen-doped carbon encapsulated zinc vanadate polyhedron engineered from a metal-organic framework as a stable anode for alkali ion batteries. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 593, 251-265	9.3	12
148	In situ simultaneous encapsulation of defective MoS <sub>2</sub> nanolayers and sulfur nanodots into SPAN fibers for high rate sodium-ion batteries. <i>Chemical Engineering Journal</i> , <b>2021</b> , 404, 126430	14.7	35
147	General Synthesis of Sulfonate-Based Metal-Organic Framework Derived Composite of M S @N/S-Doped Carbon for High-Performance Lithium/Sodium Ion Batteries. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 2104-2111	4.8	6

146	Dual carbon decorated germanium-carbon composite as a stable anode for sodium/potassium-ion batteries. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 584, 372-381	9.3	12
145	Hierarchical structure TiNb <sub>2</sub> O <sub>7</sub> microspheres derived from titanate for high-performance lithium-ion batteries. <i>CrystEngComm</i> , <b>2021</b> , 23, 4905-4909	3.3	1
144	Facile fabrication of WS nanocrystals confined in chlorella-derived N, P co-doped bio-carbon for sodium-ion batteries with ultra-long lifespan. <i>Dalton Transactions</i> , <b>2021</b> , 50, 14745-14752	4.3	2
143	In-Situ Growth Mirror-Like Cobalt Sulfide Nanosheets on ITO for High Efficiency Counter Electrode of Dye-Sensitized Solar Cells**. <i>ChemistrySelect</i> , <b>2021</b> , 6, 7537-7541	1.8	1
142	Algal residues-engaged formation of novel WVO <sub>4</sub> /V <sub>3</sub> Se <sub>4</sub> hybrid nanostructure with carbon fiber confinement for enhanced long-term cycling stability in sodium/potassium storage. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 892, 162177	5.7	2
141	V <sub>3</sub> Se <sub>4</sub> embedded within N/P co-doped carbon fibers for sodium/potassium ion batteries. <i>Chemical Engineering Journal</i> , <b>2021</b> , 419, 129607	14.7	22
140	Dual-phase TiO <sub>2</sub> hollow microspheres as a superior anode for sodium ion battery. <i>Journal of Electroanalytical Chemistry</i> , <b>2021</b> , 899, 115687	4.1	1
139	Open-framework germanates derived GeO <sub>2</sub> /C nanocomposite as a long-life and high-capacity anode for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 881, 160533	5.7	3
138	Low crystalline 1T-MoS <sub>2</sub> @S-doped carbon hollow spheres as an anode material for Lithium-ion battery. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 601, 411-417	9.3	7
137	A new neodymium-phosphine compound for supercapacitors with long-term cycling stability. <i>Chemical Communications</i> , <b>2021</b> , 57, 5933-5936	5.8	1
136	Stable Li-ion storage in Ge/N-doped carbon microsphere anodes. <i>Nanoscale</i> , <b>2021</b> , 13, 5307-5315	7.7	2
135	Co-construction of sulfur vacancies and carbon confinement in VS/CNFs to induce an ultra-stable performance for half/full sodium-ion and potassium-ion batteries. <i>Nanoscale</i> , <b>2021</b> , 13, 5033-5044	7.7	31
134	A General Synthesis of Mesoporous Hollow Carbon Spheres with Extraordinary Sodium Storage Kinetics by Engineering Solvation Structure.. <i>Small</i> , <b>2021</b> , e2106513	11	0
133	Rational Design of Hierarchical SnS <sub>2</sub> Microspheres with S Vacancy for Enhanced Sodium Storage Performance. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 9519-9525	8.3	26
132	High-Performance Lithium-Ion-Based Dual-Ion Batteries Enabled by Few-Layer MoSe <sub>2</sub> /Nitrogen-Doped Carbon. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 5514-5523	8.3	22
131	Hierarchical Porous Anatase TiO <sub>2</sub> Microspheres with High-Rate and Long-Term Cycling Stability for Sodium Storage in Ether-Based Electrolyte. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 3619-3627	6.1	7
130	Metal-organic framework-derived hollow structure CoS/nitrogen-doped carbon spheres for high-performance lithium/sodium ion batteries. <i>Chemical Communications</i> , <b>2020</b> , 56, 3951-3954	5.8	16
129	SnS <sub>2</sub> nanosheets anchored on porous carbon fibers for high performance of sodium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , <b>2020</b> , 862, 114021	4.1	9

128	Biological impact of lead from halide perovskites reveals the risk of introducing a safe threshold. <i>Nature Communications</i> , <b>2020</b> , 11, 310	17.4	172
127	In situ fabrication of ultrathin few-layered WSe anchored on N, P dual-doped carbon by bioreactor for half/full sodium/potassium-ion batteries with ultralong cycling lifespan. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 574, 217-228	9.3	42
126	Enhanced Performance of Sn-Based Perovskite Solar Cells by Two-Dimensional Perovskite Doping. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 8624-8628	8.3	13
125	An inorganic stable Sn-based perovskite film with regulated nucleation for solar cell application. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 8840-8845	7.1	18
124	In situ fabrication of ZnO/MoO <sub>2</sub> /C hetero-phase nanocomposite derived from MOFs with enhanced performance for lithium storage. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 817, 152728	5.7	6
123	A composite of ultra-fine few-layer MoS <sub>2</sub> structures embedded on N,P-co-doped bio-carbon for high-performance sodium-ion batteries. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 2046-2052	3.6	4
122	A new promising Ni-MOF superstructure for high-performance supercapacitors. <i>Chemical Communications</i> , <b>2020</b> , 56, 1803-1806	5.8	41
121	Confined CoGe Alloy Nanoparticles in Nitrogen-Doped Carbon Nanotubes for Boosting Lithium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 46247-46253	9.5	8
120	Synthesis of the Se-HPCF composite a liquid-solution route and its stable cycling performance in Li-Se batteries. <i>Dalton Transactions</i> , <b>2020</b> , 49, 14536-14542	4.3	2
119	TiO Mesocrystals Processed at Low Temperature as the Electron-Transport Material in Perovskite Solar Cells. <i>ChemSusChem</i> , <b>2020</b> , 13, 5256-5263	8.3	4
118	Cu <sub>2</sub> S hollow spheres as an anode for high-rate sodium storage performance. <i>Journal of Electroanalytical Chemistry</i> , <b>2020</b> , 874, 114523	4.1	6
117	Facile fabrication of a vanadium nitride/carbon fiber composite for half/full sodium-ion and potassium-ion batteries with long-term cycling performance. <i>Nanoscale</i> , <b>2020</b> , 12, 10693-10702	7.7	18
116	Highly Efficient Perovskite Solar Cells Based on a ZnSnO Compact Layer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 36553-36559	9.5	24
115	Template-free synthesis of metallic WS hollow microspheres as an anode for the sodium-ion battery. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 557, 722-728	9.3	24
114	An ultra-small few-layer MoS <sub>2</sub> -hierarchical porous carbon fiber composite obtained via nanocasting synthesis for sodium-ion battery anodes with excellent long-term cycling performance. <i>Dalton Transactions</i> , <b>2019</b> , 48, 4149-4156	4.3	41
113	TiO <sub>2</sub> -B as an electron transporting material for highly efficient perovskite solar cells. <i>Journal of Power Sources</i> , <b>2019</b> , 415, 8-14	8.9	20
112	Reversible conversion reaction of GeO <sub>2</sub> boosts lithium-ion storage via Fe doping. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 4574-4580	13	25
111	TiO <sub>2</sub> -B nanowires via topological conversion with enhanced lithium-ion intercalation properties. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 3842-3847	13	27

110	Hierarchical spheres constructed by ultrathin VS <sub>2</sub> nanosheets for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 3691-3696	13	53
109	Preparation of Ge/N, S co-doped ordered mesoporous carbon composite and its long-term cycling performance of lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2019</b> , 318, 737-745	6.7	21
108	Sulfur-Doped Anatase TiO <sub>2</sub> as an Anode for High-Performance Sodium-Ion Batteries. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 3791-3797	6.1	28
107	Nanocomposite of Mo <sub>2</sub> N Quantum [email protected]3@Nitrogen-Doped Carbon as a High-Performance Anode for Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 10198-10206	8.3	22
106	Valence Engineering via Selective Atomic Substitution on Tetrahedral Sites in Spinel Oxide for Highly Enhanced Oxygen Evolution Catalysis. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 8136-8145	16.4	120
105	Efficient Dye-Sensitized Solar Cells Composed of Nanostructural ZnO Doped with Ti. <i>Catalysts</i> , <b>2019</b> , 9, 273	4	23
104	Hollow SiO <sub>2</sub> microspheres coated with nitrogen doped carbon layer as an anode for high performance lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2019</b> , 306, 106-112	6.7	27
103	Co <sub>9</sub> S <sub>8</sub> embedded into N/S doped carbon composites: in situ derivation from a sulfonate-based metal-organic framework and its electrochemical properties. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 10331-10337	13	50
102	Rational design of few-layer MoSe confined within ZnSe-C hollow porous spheres for high-performance lithium-ion and sodium-ion batteries. <i>Nanoscale</i> , <b>2019</b> , 11, 6766-6775	7.7	92
101	MoS hollow spheres in ether-based electrolyte for high performance sodium ion battery. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 548, 20-24	9.3	27
100	Realization of ultra-long columnar single crystals in TiO <sub>2</sub> nanotube arrays as fast electron transport channels for high efficiency dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 11520-11529	13	18
99	ZnO nanosheets encapsulating graphene quantum dots with enhanced performance for dye-sensitized solar cell. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 840, 160-164	4.1	8
98	Facile Synthesis of Ultra-Small Few-Layer Nanostructured MoSe Embedded on N, P Co-Doped Bio-Carbon for High-Performance Half/Full Sodium-Ion and Potassium-Ion Batteries. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 13411-13421	4.8	42
97	Facile synthesis of VN hollow spheres as an anode for lithium-ion battery. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 848, 113360	4.1	8
96	Synthesis of anatase TiO <sub>2</sub> mesocrystals with highly exposed low-index facets for enhanced electrochemical performance. <i>Electrochimica Acta</i> , <b>2019</b> , 319, 101-109	6.7	8
95	Electrospun VSe/CNF composite with excellent performance for alkali metal ion batteries. <i>Nanoscale</i> , <b>2019</b> , 11, 16308-16316	7.7	34
94	An Sn doped 1T-2H MoS few-layer structure embedded in N/P co-doped bio-carbon for high performance sodium-ion batteries. <i>Chemical Communications</i> , <b>2019</b> , 55, 3614-3617	5.8	50
93	Fabrication of Zn <sub>2</sub> SnO <sub>4</sub> microspheres with controllable shell numbers for highly efficient dye-sensitized solar cells. <i>Solar Energy</i> , <b>2019</b> , 181, 424-429	6.8	20

92	Hierarchical Composite of Rose-Like VS @S/N-Doped Carbon with Expanded (001) Planes for Superior Li-Ion Storage. <i>Small</i> , <b>2019</b> , 15, e1903904	11	30
91	Highly efficient ZnSnO perovskite solar cells through band alignment engineering. <i>Chemical Communications</i> , <b>2019</b> , 55, 14673-14676	5.8	10
90	A hierarchical composite of GeO nanotubes/N-doped carbon microspheres with high-rate and super-durable performance for lithium-ion batteries. <i>Chemical Communications</i> , <b>2019</b> , 55, 14319-14322	5.8	13
89	Facile synthesis of hierarchical lychee-like ZnVO@C/rGO nanospheres as high-performance anodes for lithium ion batteries. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 533, 627-635	9.3	29
88	Hierarchically structural Ge encapsulated with nitrogen-doped carbon for high performance lithium storage. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 832, 182-188	4.1	6
87	Two-dimensional MoN@N-doped carbon hollow spheres as an anode material for high performance lithium-ion battery. <i>Electrochimica Acta</i> , <b>2019</b> , 295, 246-252	6.7	27
86	In situ synthesis of MnO on Ni foam/graphene substrate as a newly self-supported electrode for high supercapacitive performance. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 534, 665-671	9.3	17
85	Plasmonic Effects of Silver Nanoparticles Embedded in the Counter Electrode on the Enhanced Performance of Dye-Sensitized Solar Cells. <i>Langmuir</i> , <b>2018</b> , 34, 5367-5373	4	16
84	Synthesis of hierarchically mesoporous TiO <sub>2</sub> spheres via a emulsion polymerization route for superior lithium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , <b>2018</b> , 818, 1-9	4.1	10
83	Metal-organic frameworks at interfaces of hybrid perovskite solar cells for enhanced photovoltaic properties. <i>Chemical Communications</i> , <b>2018</b> , 54, 1253-1256	5.8	77
82	Anatase TiO <sub>2</sub> Quantum Dots with a Narrow Band Gap of 2.85 eV Based on Surface Hydroxyl Groups Exhibiting Significant Photodegradation Property. <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 1506-1510	2.3	10
81	In Situ Synthesis of WSe <sub>2</sub> /CMK-5 Nanocomposite for Rechargeable Lithium-Ion Batteries with a Long-Term Cycling Stability. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 4688-4694	8.3	37
80	Hierarchical Cobalt-Based Metal-Organic Framework for High-Performance Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 13362-13367	4.8	40
79	Facile Deposition of Nb <sub>2</sub> O <sub>5</sub> Thin Film as an Electron-Transporting Layer for Highly Efficient Perovskite Solar Cells. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 4101-4109	5.6	26
78	Hierarchical TiO <sub>2</sub> -B composed of nanosheets with exposed {010} facets as a high-performance anode for lithium ion batteries. <i>Journal of Power Sources</i> , <b>2018</b> , 392, 226-231	8.9	21
77	A one-step synthesis of porous VO@C hollow spheres as a high-performance anode for lithium-ion batteries. <i>Chemical Communications</i> , <b>2018</b> , 54, 7346-7349	5.8	47
76	Preparation of a Si/SiO <sub>2</sub> -Ordered-Mesoporous-Carbon Nanocomposite as an Anode for High-Performance Lithium-Ion and Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 4841-4848	4.8	53
75	Hierarchical TiO imbedded with graphene quantum dots for high-performance lithium storage. <i>Chemical Communications</i> , <b>2018</b> , 54, 1413-1416	5.8	49



74	Rapid and facile synthesis of hierarchically mesoporous TiO <sub>2</sub> B with enhanced reversible capacity and rate capability. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 1196-1200	13	25
73	Highly Efficient Perovskite Solar Cells Based on Zn Ti O Nanoparticles as Electron Transport Material. <i>ChemSusChem</i> , <b>2018</b> , 11, 424-431	8.3	14
72	Graphene quantum dots decorated TiO <sub>2</sub> mesoporous film as an efficient electron transport layer for high-performance perovskite solar cells. <i>Journal of Power Sources</i> , <b>2018</b> , 402, 320-326	8.9	61
71	Highly Efficient Degradation of Tobacco Specific N-Nitrosamines by TiO <sub>2</sub> Mesocrystals with Robust and Tailored Microporous Structure. <i>ChemistrySelect</i> , <b>2018</b> , 3, 10266-10270	1.8	
70	Covering effect of conductive glass: a facile route to tailor the grain growth of hybrid perovskites for highly efficient solar cells. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 20289-20296	13	7
69	Brookite TiO mesocrystals with enhanced lithium-ion intercalation properties. <i>Chemical Communications</i> , <b>2018</b> , 54, 11491-11494	5.8	29
68	Rational Design and General Synthesis of S-Doped Hard Carbon with Tunable Doping Sites toward Excellent Na-Ion Storage Performance. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802035	24	151
67	Rutile TiO <sub>2</sub> mesocrystals with tunable subunits as a long-term cycling performance anode for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 699, 455-462	5.7	16
66	Nb-Doped Rutile TiO Mesocrystals with Enhanced Lithium Storage Properties for Lithium Ion Battery. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 5059-5065	4.8	32
65	Facile preparation of a V <sub>2</sub> O <sub>3</sub> /carbon fiber composite and its application for long-term performance lithium-ion batteries. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 5380-5386	3.6	26
64	Bis(phenothiazyl-ethynylene)-Based Organic Dyes Containing Di-Anchoring Groups with Efficiency Comparable to N719 for Dye-Sensitized Solar Cells. <i>Chemistry - an Asian Journal</i> , <b>2017</b> , 12, 332-340	4.5	8
63	Carbon coated anatase TiO <sub>2</sub> mesocrystals enabling ultrastable and robust sodium storage. <i>Journal of Power Sources</i> , <b>2017</b> , 359, 64-70	8.9	40
62	Green synthesis of a Se/HPCF@GO composite for LiSe batteries with excellent long-term cycling performance. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 22997-23005	13	55
61	Rutile TiO Mesocrystals as Sulfur Host for High-Performance Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 16312-16318	4.8	30
60	Heterogeneous TiO@NbO composite as a high-performance anode for lithium-ion batteries. <i>Scientific Reports</i> , <b>2017</b> , 7, 7204	4.9	7
59	A multi-functional gum arabic binder for NiFe <sub>2</sub> O <sub>4</sub> nanotube anodes enabling excellent Li/Na-ion storage performance. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 18138-18147	13	27
58	A CMK-5-encapsulated MoSe <sub>2</sub> composite for rechargeable lithium-ion batteries with improved electrochemical performance. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 19632-19638	13	68
57	Synthesis of Mesoporous Co-Doped TiO Nanodisks Derived From Metal Organic Frameworks with Improved Sodium Storage Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 32071-32079	9.5	46

56	Layered Structural Co-Based MOF with Conductive Network Frames as a New Supercapacitor Electrode. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 631-636	4.8	183
55	Hierarchical MoS <sub>2</sub> @RGO nanosheets for high performance sodium storage. <i>Journal of Power Sources</i> , <b>2016</b> , 331, 50-57	8.9	75
54	Nitrogen-doped carbon coated silicon derived from a facile strategy with enhanced performance for lithium storage. <i>Functional Materials Letters</i> , <b>2016</b> , 09, 1650055	1.2	4
53	Hierarchical cerium oxide derived from metal-organic frameworks for high performance supercapacitor electrodes. <i>Electrochimica Acta</i> , <b>2016</b> , 222, 773-780	6.7	85
52	Ethanol thermal reduction synthesis of hierarchical MoO <sub>2</sub> hollow spheres with high rate performance for lithium ion batteries. <i>RSC Advances</i> , <b>2016</b> , 6, 105558-105564	3.7	24
51	Improving the efficiency of dye-sensitized solar cells by photoanode surface modifications. <i>Science China Materials</i> , <b>2016</b> , 59, 867-883	7.1	12
50	Ge/GeO <sub>2</sub> -Ordered Mesoporous Carbon Nanocomposite for Rechargeable Lithium-Ion Batteries with a Long-Term Cycling Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 232-9	9.5	78
49	Metal-Organic Framework Derived Hierarchical Porous Anatase TiO <sub>2</sub> as a Photoanode for Dye-Sensitized Solar Cell. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 121-125	3.5	55
48	An in situ formed Se/CMK-3 composite for rechargeable lithium-ion batteries with long-term cycling performance. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 13646-13651	13	46
47	Recent Progress in Preparation and Lithium-ion Storage Properties of TiO <sub>2</sub> Mesocrystals. <i>Journal of the Chinese Chemical Society</i> , <b>2015</b> , 62, 209-216	1.5	4
46	One-step hydrothermal synthesis of Nb doped brookite TiO <sub>2</sub> nanosheets with enhanced lithium-ion intercalation properties. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 18882-18888	13	24
45	Facile synthesis of rutile TiO <sub>2</sub> mesocrystals with enhanced sodium storage properties. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 17412-17416	13	72
44	Iso-Oriented Anatase TiO <sub>2</sub> Mesocages as a High Performance Anode Material for Sodium-Ion Storage. <i>Scientific Reports</i> , <b>2015</b> , 5, 11960	4.9	61
43	Nanocomposite Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /carbon as a cathode material with high rate performance and long-term cycling stability in lithium-ion batteries. <i>RSC Advances</i> , <b>2015</b> , 5, 57127-57132	3.7	12
42	ZnO nanowires array grown on Ga-doped ZnO single crystal for dye-sensitized solar cells. <i>Scientific Reports</i> , <b>2015</b> , 5, 11499	4.9	15
41	Hierarchical LiZnVO <sub>4</sub> @C nanostructures with enhanced cycling stability for lithium-ion batteries. <i>Dalton Transactions</i> , <b>2015</b> , 44, 7967-72	4.3	19
40	Ultrathin TiO <sub>2</sub> -B nanowires with enhanced electrochemical performance for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 10038-10044	13	35
39	Composite of K-doped (NH <sub>4</sub> ) <sub>2</sub> V <sub>3</sub> O <sub>8</sub> /graphene as an anode material for sodium-ion batteries. <i>Dalton Transactions</i> , <b>2015</b> , 44, 18864-9	4.3	14



38	Rutile TiO <sub>2</sub> mesocrystals/reduced graphene oxide with high-rate and long-term performance for lithium-ion batteries. <i>Scientific Reports</i> , <b>2015</b> , 5, 8498	4.9	43
37	In situ synthesis of GeO <sub>2</sub> /reduced graphene oxide composite on Ni foam substrate as a binder-free anode for high-capacity lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 1619-1623	13	80
36	Ultrasensitive electrochemical sensor for p-nitrophenyl organophosphates based on ordered mesoporous carbons at low potential without deoxygenization. <i>Analytica Chimica Acta</i> , <b>2014</b> , 822, 23-9	6.6	37
35	Enhanced electrochemical performance of ammonium vanadium bronze through sodium cation intercalation and optimization of electrolyte. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 418, 273-6	9.3	14
34	Facile synthesis of V <sub>6</sub> O <sub>13</sub> micro-flowers for Li-ion and Na-ion battery cathodes with good cycling performance. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 425, 1-4	9.3	40
33	Hierarchically porous TiO <sub>2</sub> microspheres as a high performance anode for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 1102-1106	13	70
32	Understanding the growth and photoelectrochemical properties of mesocrystals and single crystals: a case of anatase TiO <sub>2</sub> . <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 7441-7	3.6	14
31	Efficiency enhanced dye-sensitized Zn <sub>2</sub> SnO <sub>4</sub> solar cells using a facile chemical-bath deposition method. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 4465	3.6	23
30	Zn-doped Ni-MOF material with a high supercapacitive performance. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 19005-19010	13	300
29	Facile synthesis of Li <sub>2</sub> MnO <sub>3</sub> nanowires for lithium-ion battery cathodes. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 584-587	3.6	19
28	Hierarchically porous anatase TiO <sub>2</sub> microspheres composed of tiny octahedra with enhanced electrochemical properties in lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 20133-20138	13	29
27	Metal-organic frameworks: a new promising class of materials for a high performance supercapacitor electrode. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 16640-16644	13	384
26	Metal-organic frameworks at interfaces in dye-sensitized solar cells. <i>ChemSusChem</i> , <b>2014</b> , 7, 2469-72	8.3	50
25	Facile synthesis of hierarchical MnO <sub>2</sub> sub-microspheres composed of nanosheets and their application for supercapacitors. <i>RSC Advances</i> , <b>2014</b> , 4, 40753-40757	3.7	33
24	Sensitive electrochemical microbial biosensor for p-nitrophenylorganophosphates based on electrode modified with cell surface-displayed organophosphorus hydrolase and ordered mesopore carbons. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 60, 137-42	11.8	56
23	Facile synthesis of ammonium vanadium oxide nanorods for Na-ion battery cathodes. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 428, 73-7	9.3	32
22	Synthesis of hierarchical ZnV <sub>2</sub> O <sub>4</sub> microspheres and its electrochemical properties. <i>CrystEngComm</i> , <b>2014</b> , 16, 10309-10313	3.3	45
21	Composites of V <sub>2</sub> O <sub>3</sub> /ordered mesoporous carbon as anode materials for lithium-ion batteries. <i>Carbon</i> , <b>2013</b> , 62, 382-388	10.4	79

20	Ordered mesoporous TiO <sub>2</sub> /nanocomposite as an anode material for long-term performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 4293	13	105
19	Synthesis of TiO <sub>2</sub> nanoparticles with tunable dominant exposed facets (010), (001) and (106). <i>CrystEngComm</i> , <b>2013</b> , 15, 3040	3.3	18
18	Layered titanate nanostructures and their derivatives as negative electrode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 4403	13	76
17	MoO <sub>2</sub> -ordered mesoporous carbon nanocomposite as an anode material for lithium-ion batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 2182-7	9.5	130
16	Metal platinum-wrapped mesoporous carbon for sensitive electrochemical immunosensing based on cyclodextrin functionalized graphene nanosheets. <i>Electrochimica Acta</i> , <b>2012</b> , 68, 158-165	6.7	35
15	Layered H <sub>2</sub> Ti <sub>6</sub> O <sub>13</sub> -Nanowires: A New Promising Pseudocapacitive Material in Non-Aqueous Electrolyte. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 5185-5193	15.6	201
14	Flexible dye-sensitized ZnO quantum dots solar cells. <i>RSC Advances</i> , <b>2012</b> , 2, 9565	3.7	20
13	ZnV <sub>2</sub> O <sub>4</sub> /MK nanocomposite as an anode material for rechargeable lithium-ion batteries. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 14284		62
12	Self-assembled nanoporous rutile TiO <sub>2</sub> mesocrystals with tunable morphologies for high rate lithium-ion batteries. <i>Nano Energy</i> , <b>2012</b> , 1, 466-471	17.1	90
11	Additive-free synthesis of unique TiO <sub>2</sub> mesocrystals with enhanced lithium-ion intercalation properties. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 5408-5413	35.4	139
10	Metal-organic frameworks: Promising materials for enhancing electrochemical properties of nanostructured Zn <sub>2</sub> SnO <sub>4</sub> anode in Li-ion batteries. <i>CrystEngComm</i> , <b>2012</b> , 14, 2112	3.3	53
9	Metal-organic frameworks: promising materials for improving the open circuit voltage of dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 17259		145
8	ULTRATHIN Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> NANOSHEETS AS A HIGH PERFORMANCE ANODE FOR LI-ION BATTERY. <i>Functional Materials Letters</i> , <b>2011</b> , 04, 389-393	1.2	25
7	Complex spinel titanate nanowires for a high rate lithium-ion battery. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 1886	35.4	105
6	SPINEL Li <sub>2</sub> MTi <sub>3</sub> O <sub>8</sub> (M = Mg, Mg <sub>0.5</sub> Zn <sub>0.5</sub> ) NANOWIRES WITH ENHANCED ELECTROCHEMICAL LITHIUM STORAGE. <i>Functional Materials Letters</i> , <b>2011</b> , 04, 65-69	1.2	46
5	Selective Synthesis of Rutile, Anatase, and Brookite Nanorods by a Hydrothermal Route. <i>Current Nanoscience</i> , <b>2010</b> , 6, 479-482	1.4	17
4	Synthesis and characterization of nanosheet-shaped titanium dioxide. <i>Journal of Materials Science</i> , <b>2007</b> , 42, 529-533	4.3	29
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