

List of Publications by Citations

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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.

153 papers	5,023 citations	42 h-index	62 g-index
157 ext. papers	6,162 ext. citations	5.8 avg, IF	6.48 L-index

#	Paper	IF	Citations
153	Designed mesoporous hollow sphere architecture metal (Mn, Co, Ni) silicate: A potential electrode material for flexible all solid-state asymmetric supercapacitor. <i>Chemical Engineering Journal</i> , <b>2019</b> , 362, 818-829	14.7	174
152	Hydrothermal encapsulation of VO(A) nanorods in amorphous carbon by carbonization of glucose for energy storage devices. <i>Dalton Transactions</i> , <b>2018</b> , 47, 452-464	4.3	152
151	Cobalt-nickel silicate hydroxide on amorphous carbon derived from bamboo leaves for hybrid supercapacitors. <i>Chemical Engineering Journal</i> , <b>2019</b> , 375, 121938	14.7	125
150	In-situ grown manganese silicate from biomass-derived heteroatom-doped porous carbon for supercapacitors with high performance. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 534, 142-155	9.3	120
149	In-situ hydrothermal growth of Zn <sub>4</sub> Si <sub>2</sub> O <sub>7</sub> (OH) <sub>2</sub> ·H <sub>2</sub> O anchored on 3D N, S-enriched carbon derived from plant biomass for flexible solid-state asymmetrical supercapacitors. <i>Chemical Engineering Journal</i> , <b>2018</b> , 352, 519-529	14.7	115
148	Stitching of Zn(OH)VO <sub>2</sub> HO 2D Nanosheets by 1D Carbon Nanotubes Boosts Ultrahigh Rate for Wearable Quasi-Solid-State Zinc-Ion Batteries. <i>ACS Nano</i> , <b>2020</b> , 14, 842-853	16.7	104
147	Fabrication of (NH <sub>4</sub> ) <sub>2</sub> V <sub>3</sub> O <sub>8</sub> nanoparticles encapsulated in amorphous carbon for high capacity electrodes in aqueous zinc ion batteries. <i>Chemical Engineering Journal</i> , <b>2020</b> , 382, 122844	14.7	102
146	Fast and reversible zinc ion intercalation in Al-ion modified hydrated vanadate. <i>Nano Energy</i> , <b>2020</b> , 70, 104519	17.1	100
145	Fabrication of V <sub>2</sub> O <sub>5</sub> with various morphologies for high-performance electrochemical capacitor. <i>Applied Surface Science</i> , <b>2016</b> , 377, 385-393	6.7	98
144	Facile hydrothermal synthesis of ultrahigh-aspect-ratio V <sub>2</sub> O <sub>5</sub> nanowires for high-performance supercapacitors. <i>Current Applied Physics</i> , <b>2015</b> , 15, 493-498	2.6	96
143	Beltlike V <sub>2</sub> O <sub>3</sub> @C Core/Shell-Structured Composite: Design, Preparation, Characterization, Phase Transition, and Improvement of Electrochemical Properties of V <sub>2</sub> O <sub>3</sub> . <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 1650-1659	2.3	93
142	Improve the catalytic activity of Fe <sub>2</sub> O <sub>3</sub> particles in decomposition of ammonium perchlorate by coating amorphous carbon on their surface. <i>Journal of Solid State Chemistry</i> , <b>2011</b> , 184, 387-390	3.3	88
141	In Situ Generated Ni <sub>3</sub> Si <sub>2</sub> O <sub>5</sub> (OH) <sub>4</sub> on Mesoporous Heteroatom-Enriched Carbon Derived from Natural Bamboo Leaves for High-Performance Supercapacitors. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 3396-3409	6.1	88
140	Three-dimensional porous VO hierarchical spheres as a battery-type electrode for a hybrid supercapacitor with excellent charge storage performance. <i>Dalton Transactions</i> , <b>2017</b> , 46, 15048-15058	4.3	75
139	Facile fabrication of Fe <sub>3</sub> O <sub>4</sub> and Co <sub>3</sub> O <sub>4</sub> microspheres and their influence on the thermal decomposition of ammonium perchlorate. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 674, 259-265	5.7	72
138	Template Fabrication of Amorphous Co <sub>2</sub> SiO <sub>4</sub> Nanobelts/Graphene Oxide Composites with Enhanced Electrochemical Performances for Hybrid Supercapacitors. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 3830-3839	6.1	71
137	Kelp-derived three-dimensional hierarchical porous N, O-doped carbon for flexible solid-state symmetrical supercapacitors with excellent performance. <i>Applied Surface Science</i> , <b>2018</b> , 447, 876-885	6.7	71

136	Hydrothermal synthesis, characterization, formation mechanism and electrochemical property of V <sub>3</sub> O <sub>7</sub> ·H <sub>2</sub> O single-crystal nanobelts. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2010</b> , 175, 164-171	3.1	71
135	Synthesis and supercapacitor electrode of VO <sub>2</sub> (B)/C core-shell composites with a pseudocapacitance in aqueous solution. <i>Applied Surface Science</i> , <b>2016</b> , 371, 189-195	6.7	70
134	All-in-one stretchable coaxial-fiber strain sensor integrated with high-performing supercapacitor. <i>Energy Storage Materials</i> , <b>2020</b> , 25, 124-130	19.4	67
133	Facile hydrothermal synthesis of vanadium oxides nanobelts by ethanol reduction of peroxovanadium complexes. <i>Ceramics International</i> , <b>2013</b> , 39, 129-141	5.1	66
132	3D hierarchical porous VO(OH) nanobelts/CNT/reduced graphene oxide integrated composite with synergistic effect for supercapacitors with high capacitance and long cycling life. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 531, 382-393	9.3	65
131	Controlled synthesis of 3D porous VO <sub>2</sub> (B) hierarchical spheres with different interiors for energy storage. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 2798-2810	6.8	65
130	New Strategy for the Morphology-Controlled Synthesis of V <sub>2</sub> O <sub>5</sub> Microcrystals with Enhanced Capacitance as Battery-type Supercapacitor Electrodes. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 5365-5376	3.5	63
129	Ammonium Vanadium Oxide [(NH <sub>4</sub> ) <sub>2</sub> V <sub>4</sub> O <sub>9</sub> ] Sheets for High Capacity Electrodes in Aqueous Zinc Ion Batteries. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 7861-7869	6.1	63
128	A facile method for preparing VO <sub>2</sub> nanobelts. <i>Materials Letters</i> , <b>2008</b> , 62, 1878-1880	3.3	63
127	Coupled cobalt silicate nanobelt-on-nanobelt hierarchy structure with reduced graphene oxide for enhanced supercapacitive performance. <i>Journal of Power Sources</i> , <b>2020</b> , 448, 227407	8.9	62
126	3D Interlaced Networks of VO(OH) <sub>2</sub> Nanoflakes Wrapped with Graphene Oxide Nanosheets as Electrodes for Energy Storage Devices. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 2934-2945	5.6	57
125	A novel ordered hollow spherical nickel silicate/nickel hydroxide composite with two types of morphologies for enhanced electrochemical storage performance. <i>Materials Chemistry Frontiers</i> , <b>2019</b> , 3, 2090-2101	7.8	55
124	Facile preparation, optical and electrochemical properties of layer-by-layer V <sub>2</sub> O <sub>5</sub> quadrate structures. <i>Applied Surface Science</i> , <b>2017</b> , 399, 151-159	6.7	52
123	Fabrication of V <sub>3</sub> O <sub>7</sub> ·H <sub>2</sub> O@C core-shell nanostructured composites and the effect of V <sub>3</sub> O <sub>7</sub> ·H <sub>2</sub> O and V <sub>3</sub> O <sub>7</sub> ·H <sub>2</sub> O@C on decomposition of ammonium perchlorate. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, L69-L73	5.7	52
122	One-step hydrothermal preparation of (NH <sub>4</sub> ) <sub>2</sub> V <sub>3</sub> O <sub>8</sub> /carbon composites and conversion to porous V <sub>2</sub> O <sub>5</sub> nanoparticles as supercapacitor electrode with excellent pseudocapacitive capability. <i>Applied Surface Science</i> , <b>2017</b> , 423, 728-742	6.7	51
121	Preparation of W- and Mo-doped VO <sub>2</sub> (M) by ethanol reduction of peroxovanadium complexes and their phase transition and optical switching properties. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 544, 30-36	5.7	50
120	Improvement of the electrochemical properties of V <sub>3</sub> O <sub>7</sub> ·H <sub>2</sub> O nanobelts for Li battery application through synthesis of V <sub>3</sub> O <sub>7</sub> @C core-shell nanostructured composites. <i>Current Applied Physics</i> , <b>2011</b> , 11, 1159-1163	2.6	49
119	Copper oxide/cuprous oxide/hierarchical porous biomass-derived carbon hybrid composites for high-performance supercapacitor electrode. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 782, 1103-1113	5.7	48

118	NH <sub>4</sub> V <sub>3</sub> O <sub>8</sub> ·5H <sub>2</sub> O nanobelts with intercalated water molecules as a high performance zinc ion battery cathode. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 1434-1443	7.8	47
117	A strategy for the synthesis of VN@C and VC@C core-shell composites with hierarchically porous structures and large specific surface areas for high performance symmetric supercapacitors. <i>Dalton Transactions</i> , <b>2018</b> , 47, 8052-8062	4.3	47
116	Direct preparation and formation mechanism of belt-like doped VO <sub>2</sub> (M) with rectangular cross sections by one-step hydrothermal route and their phase transition and optical switching properties. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 570, 104-113	5.7	46
115	The additives W, Mo, Sn and Fe for promoting the formation of VO <sub>2</sub> (M) and its optical switching properties. <i>Materials Letters</i> , <b>2013</b> , 92, 61-64	3.3	46
114	Ammonium ion intercalated hydrated vanadium pentoxide for advanced aqueous rechargeable Zn-ion batteries. <i>Materials Today Energy</i> , <b>2020</b> , 18, 100509	7	45
113	Rice husk-derived Mn <sub>3</sub> O <sub>4</sub> /manganese silicate/C nanostructured composites for high-performance hybrid supercapacitors. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 2788-2800	6.8	43
112	Hydrothermal synthesis of vanadium dioxides/carbon composites and their transformation to surface-uneven V <sub>2</sub> O <sub>5</sub> nanoparticles with high electrochemical properties. <i>RSC Advances</i> , <b>2016</b> , 6, 93741-93752	3.7	43
111	Influence of different additives on the synthesis of VO <sub>2</sub> polymorphs. <i>Ceramics International</i> , <b>2013</b> , 39, 8363-8376	5.1	42
110	Synthesis of amorphous cobalt silicate nanobelts@manganese silicate core-shell structures as enhanced electrode for high-performance hybrid supercapacitors. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 561, 762-771	9.3	40
109	In situ grown 2D hydrated ammonium vanadate nanosheets on carbon cloth as a free-standing cathode for high-performance rechargeable Zn-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 15130-15139	13	39
108	Synthesis and characterization of belt-like VO <sub>2</sub> (B)@carbon and V <sub>2</sub> O <sub>3</sub> @carbon core-shell structured composites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2012</b> , 396, 144-152	5.1	39
107	Facile hydrothermal synthesis and electrochemical properties of (NH <sub>4</sub> ) <sub>2</sub> V <sub>10</sub> O <sub>25</sub> ·nH <sub>2</sub> O nanobelts for high-performance aqueous zinc ion batteries. <i>Electrochimica Acta</i> , <b>2020</b> , 332, 135506	6.7	39
106	Hydrothermal synthesis of VS/CNTs composite with petal-shape structures performing a high specific capacity in a large potential range for high-performance symmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 554, 191-201	9.3	38
105	Sandwich-like honeycomb Co <sub>2</sub> SiO <sub>4</sub> /rGO/honeycomb Co <sub>2</sub> SiO <sub>4</sub> structures with enhanced electrochemical properties for high-performance hybrid supercapacitor. <i>Journal of Power Sources</i> , <b>2021</b> , 492, 229643	8.9	38
104	Fabrication of vanadium sulfide (VS) wrapped with carbonaceous materials as an enhanced electrode for symmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 574, 312-323	9.3	37
103	Amorphous manganese silicate anchored on multiwalled carbon nanotubes with enhanced electrochemical properties for high performance supercapacitors. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 548, 158-171	5.1	37
102	Metal oxide decorated layered silicate magadiite for enhanced properties: insight from ZnO and CuO decoration. <i>Dalton Transactions</i> , <b>2017</b> , 46, 4303-4316	4.3	35
101	Encapsulating V <sub>2</sub> O <sub>3</sub> nanorods into carbon core-shell composites with porous structures and large specific surface area for high performance solid-state supercapacitors. <i>Microporous and Mesoporous Materials</i> , <b>2018</b> , 262, 199-206	5.3	35

100	Quasi-solid-state fiber-shaped aqueous energy storage devices: recent advances and prospects. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 6406-6433	13	34
99	V2O3/C nanocomposites with interface defects for enhanced intercalation pseudocapacitance. <i>Electrochimica Acta</i> , <b>2019</b> , 318, 635-643	6.7	33
98	Fabrication and catalytic activity of ultra-long V2O5 nanowires on the thermal decomposition of ammonium perchlorate. <i>Ceramics International</i> , <b>2014</b> , 40, 11393-11398	5.1	33
97	A novel route to fabricate belt-like VO2(M)@C core-shell structured composite and its phase transition properties. <i>Materials Letters</i> , <b>2012</b> , 71, 127-130	3.3	33
96	Synthesis of zeolites Na-A and Na-X from tablet compressed and calcinated coal fly ash. <i>Royal Society Open Science</i> , <b>2017</b> , 4, 170921	3.3	33
95	Belt-like VO2(M) with a rectangular cross section: A new route to prepare, the phase transition and the optical switching properties. <i>Current Applied Physics</i> , <b>2012</b> , 12, 875-879	2.6	31
94	Synthesis of amorphous carbon coated on V2O3 core-shell composites for enhancing the electrochemical properties of V2O3 as supercapacitor electrode. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2017</b> , 518, 188-196	5.1	30
93	One-step hydrothermal conversion of VO2(B) into W-doped VO2(M) and its phase transition and optical switching properties. <i>Solid State Communications</i> , <b>2014</b> , 180, 24-27	1.6	30
92	Facile synthesis, phase transition, optical switching and oxidation resistance properties of belt-like VO2(A) and VO2(M) with a rectangular cross section. <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 1978-1986	5.1	30
91	Synthesis of VO2(A) nanobelts by the transformation of VO2(B) under the hydrothermal treatment and its optical switching properties. <i>Solid State Communications</i> , <b>2012</b> , 152, 253-256	1.6	30
90	Synthesis, structure, optical and magnetic properties of interlamellar decoration of magadiite using vanadium oxide species. <i>Microporous and Mesoporous Materials</i> , <b>2017</b> , 244, 264-277	5.3	30
89	Double guarantee mechanism of Ca <sup>2+</sup> -intercalation and rGO-integration ensures hydrated vanadium oxide with high performance for aqueous zinc-ion batteries. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 79-89	6.8	29
88	Alkali etching metal silicates derived from bamboo leaves with enhanced electrochemical properties for solid-state hybrid supercapacitors. <i>Chemical Engineering Journal</i> , <b>2021</b> , 417, 127964	14.7	29
87	Synthesis and characterization of Mn-Silicalite-1 by the hydrothermal conversion of Mn-magadiite under the neutral condition and its catalytic performance on selective oxidation of styrene. <i>Microporous and Mesoporous Materials</i> , <b>2018</b> , 268, 16-24	5.3	28
86	Hydrothermal synthesis of VO2(A) nanobelts and their phase transition and optical switching properties. <i>Micro and Nano Letters</i> , <b>2011</b> , 6, 888	0.9	28
85	Synthesis of amorphous MnSiO3/graphene oxide with excellent electrochemical performance as supercapacitor electrode. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 562, 93-100	5.1	28
84	Facile template-free fabrication of hierarchical V2O5 hollow spheres with excellent charge storage performance for symmetric and hybrid supercapacitor devices. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 763, 180-191	5.7	28
83	Improvement of the specific capacitance of V2O5 nanobelts as supercapacitor electrode by tungsten doping. <i>Materials Chemistry and Physics</i> , <b>2017</b> , 186, 5-10	4.4	27

82	Synthesis of urchin-like NiSiO(OH) hierarchical hollow spheres/GO composite with enhanced electrochemical properties for high-performance hybrid supercapacitors. <i>Dalton Transactions</i> , <b>2019</b> , 48, 11749-11762	4.3	26
81	Synthesis and characterization of addition-type silicone rubbers (ASR) using a novel cross linking agent PH prepared by vinyl-POSS and PMHS. <i>Polymer Degradation and Stability</i> , <b>2013</b> , 98, 916-925	4.7	26
80	Hydrated vanadium pentoxide/reduced graphene oxide-polyvinyl alcohol (VO <sub>2</sub> nHO/rGO-PVA) film as a binder-free electrode for solid-state Zn-ion batteries. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 587, 845-854	9.3	26
79	Facile one-pot hydrothermal synthesis of belt-like V <sub>6</sub> O <sub>13</sub> with rectangular cross sections for Li-ion battery application. <i>Materials Letters</i> , <b>2015</b> , 160, 404-407	3.3	25
78	Facile synthesis and characterization of LiV <sub>3</sub> O <sub>8</sub> with sheet-like morphology for high-performance supercapacitors. <i>Materials Letters</i> , <b>2016</b> , 171, 240-243	3.3	25
77	Hydrothermal synthesis and electrochemical properties of hierarchical vanadyl hydroxide spheres with hollow core and mesoporous shell. <i>Microporous and Mesoporous Materials</i> , <b>2017</b> , 249, 137-145	5.3	24
76	Facile synthesis of high-surface vanadium nitride/vanadium sesquioxide/amorphous carbon composite with porous structures as electrode materials for high performance symmetric supercapacitors. <i>Applied Surface Science</i> , <b>2019</b> , 471, 842-851	6.7	24
75	Fabrication of belt-like VO <sub>2</sub> (M)@C core-shell structured composite to improve the electrochemical properties of VO <sub>2</sub> (M). <i>Current Applied Physics</i> , <b>2013</b> , 13, 47-52	2.6	23
74	Direct fabrication of organic carbon coated VO <sub>2</sub> (B) (VO <sub>2</sub> (B)@C) core-shell structured nanobelts by one step hydrothermal route and its formation mechanism. <i>Applied Surface Science</i> , <b>2012</b> , 263, 124-131	6.7	23
73	VO <sub>2</sub> (B) conversion to VO <sub>2</sub> (A) and VO <sub>2</sub> (M) and their oxidation resistance and optical switching properties. <i>Materials Science-Poland</i> , <b>2016</b> , 34, 169-176	0.6	23
72	Controlled synthesis and electrochemical properties of vanadium oxides with different nanostructures. <i>Bulletin of Materials Science</i> , <b>2012</b> , 35, 369-376	1.7	22
71	In situ preparation and optical properties of metal-8-hydroxyquinoline decoration of layered silicate: Self-assembly in the magadiite interface by solid-solid reaction. <i>Microporous and Mesoporous Materials</i> , <b>2017</b> , 246, 102-113	5.3	21
70	Facile hydrothermal synthesis and electrochemical properties of (NH <sub>4</sub> ) <sub>2</sub> V <sub>6</sub> O <sub>16</sub> nanobelts for aqueous rechargeable zinc ion batteries. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 593, 124621	5.1	20
69	Polyaniline-expanded the interlayer spacing of hydrated vanadium pentoxide by the interface-intercalation for aqueous rechargeable Zn-ion batteries. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 603, 641-650	9.3	20
68	Hydrothermal synthesis and supercapacitor electrode of low crystallinity VOOH hollow spheres with pseudocapacitance in aqueous solution. <i>Materials Letters</i> , <b>2017</b> , 205, 1-5	3.3	19
67	One-step hydrothermal synthesis and characterization of V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> nanospheres and their excellent performance in the ammoxidation of 3,4- and 2,6-DCT. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 3620-3624	5.1	19
66	A facile hydrothermal synthesis of tungsten doped monoclinic vanadium dioxide with B phase for supercapacitor electrode with pseudocapacitance. <i>Materials Letters</i> , <b>2016</b> , 182, 285-288	3.3	19
65	Synthesis of bimetallic-organic framework Cu/Co-BTC and the improved performance of thiophene adsorption.. <i>RSC Advances</i> , <b>2019</b> , 9, 15642-15647	3.7	18



64	Ammonia-etching-assisted nanotailoring of manganese silicate boosts faradaic capacity for high-performance hybrid supercapacitors. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 2220-2228	5.8	18
63	A novel intercalation pseudocapacitive electrode material: VO(OH) <sub>2</sub> /CNT composite with cross-linked structure for high performance flexible symmetric supercapacitors. <i>Applied Surface Science</i> , <b>2019</b> , 492, 746-755	6.7	18
62	Preparation of V <sub>2</sub> O <sub>3</sub> nanopowders by supercritical fluid reduction. <i>Journal of Supercritical Fluids</i> , <b>2011</b> , 56, 194-200	4.2	18
61	Adsorption desulfurization of model gasoline by metal-organic framework Ni <sub>3</sub> (BTC) <sub>2</sub> . <i>Journal of Energy Chemistry</i> , <b>2019</b> , 32, 8-14	12	17
60	Fabrication of V <sub>2</sub> O <sub>3</sub> /C core-shell structured composite and VC nanobelts by the thermal treatment of VO <sub>2</sub> /C composite. <i>Applied Surface Science</i> , <b>2012</b> , 258, 9650-9655	6.7	16
59	Facile synthesis of V <sub>2</sub> O <sub>3</sub> /C composite and the effect of V <sub>2</sub> O <sub>3</sub> and V <sub>2</sub> O <sub>3</sub> /C on decomposition of ammonium perchlorate. <i>Micro and Nano Letters</i> , <b>2012</b> , 7, 782	0.9	16
58	Fe <sub>3</sub> O <sub>4</sub> nanoparticles/polymer immobilized on silicate platelets for crude oil recovery. <i>Microporous and Mesoporous Materials</i> , <b>2019</b> , 278, 185-194	5.3	16
57	Template-free synthesis of porous V <sub>2</sub> O <sub>5</sub> flakes as a battery-type electrode material with high capacity for supercapacitors. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 553, 317-326	5.1	16
56	Changes of medium-range structure in the course of crystallization of zeolite omega from magadiite. <i>Microporous and Mesoporous Materials</i> , <b>2014</b> , 200, 86-91	5.3	15
55	Single-Atom Catalysts: Advances and Challenges in Metal-Support Interactions for Enhanced Electrocatalysis. <i>Electrochemical Energy Reviews</i> , 1	29.3	15
54	Mn as the "spearhead" preventing the trap of Zn in layered Mn inserted hydrated vanadium pentoxide enables high rate capacity. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 602, 14-22	9.3	15
53	Facile synthesis and characterization of rough surface (mathrm{V}_{2}\hbox{O}_{5}) nanomaterials for pseudo-supercapacitor electrode material with high capacitance. <i>Bulletin of Materials Science</i> , <b>2017</b> , 40, 1137-1149	1.7	14
52	Intercalation and in situ formation of coordination compounds with ligand 8-hydroxyquinoline-5-sulfonic acid in the interlayer space of layered silicate magadiite by solid-solid reactions. <i>Microporous and Mesoporous Materials</i> , <b>2018</b> , 266, 14-23	5.3	14
51	Self-assembled HV <sub>x</sub> O <sub>y</sub> nanobelts/rGO nanocomposite with an ultrahigh specific capacitance: Synthesis and promising applications in supercapacitors. <i>Applied Surface Science</i> , <b>2019</b> , 481, 59-68	6.7	13
50	A novel route for synthesis and growth formation of metal oxides microspheres: Insights from V <sub>2</sub> O <sub>3</sub> microspheres. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 177, 543-553	4.4	13
49	Exploring a novel approach to fabricate vanadium carbide encapsulated into carbon nanotube (VC@C) with large specific surface area. <i>Bulletin of Materials Science</i> , <b>2013</b> , 36, 345-351	1.7	12
48	Controlled synthesis of V <sub>6</sub> O <sub>13</sub> nanobelts by a facile one-pot hydrothermal process and their effect on thermal decomposition of ammonium perchlorate. <i>Materials Express</i> , <b>2015</b> , 5, 105-112	1.3	12
47	Changes of medium-range structure in the course of crystallization of mordenite from diatomite. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 206, 52-57	5.3	12

46	Synthesis of zeolite Y from diatomite and its modification by dimethylglyoxime for the removal of Ni(II) from aqueous solution. <i>Journal of Sol-Gel Science and Technology</i> , <b>2016</b> , 80, 215-225	2.3	12
45	PVA-assisted hydrated vanadium pentoxide/reduced graphene oxide films for excellent Li <sup>+</sup> and Zn <sup>2+</sup> storage properties. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 83, 7-17	9.1	12
44	Synthesis of Co <sub>2</sub> SiO <sub>4</sub> /Ni(OH) <sub>2</sub> core-shell structure as the supercapacitor electrode material with enhanced electrochemical properties. <i>Materials Letters</i> , <b>2021</b> , 282, 128774	3.3	11
43	Engineering Interlayer Space of Vanadium Oxide by Pyridinesulfonic Acid-Assisted Intercalation of Polypyrrole Enables Enhanced Aqueous Zinc-Ion Storage.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> ,	9.5	10
42	Dual ions enable vanadium oxide hydration with superior Zn <sup>2+</sup> storage for aqueous zinc-ion batteries. <i>Chemical Engineering Journal</i> , <b>2021</b> , 433, 133795	14.7	10
41	Manganese Silicate Nanosheets for Quasi-Solid-State Hybrid Supercapacitors. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 8173-8183	5.6	10
40	Study on the synthesis of FER and SOD in the presence of ethylene glycol and the oxidation transformation of ethylene glycol in a confined region of zeolites. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 696, 788-794	5.7	9
39	Synthesis of V <sub>2</sub> O <sub>3</sub> /C composites with different morphologies by a facile route and phase transition properties of the compounds. <i>Materials Science-Poland</i> , <b>2014</b> , 32, 236-242	0.6	9
38	Study on the synthesis of MFI and FER in the presence of n-butylamine and the property of n-butylamine in a confined region of zeolites. <i>RSC Advances</i> , <b>2016</b> , 6, 114808-114817	3.7	9
37	PVP-assisted hydrothermal synthesis of VO(OH) <sub>2</sub> nanorods for supercapacitor electrode with excellent pseudocapacitance. <i>Materials Letters</i> , <b>2018</b> , 227, 217-220	3.3	9
36	Self-assembled intercalation of 8-hydroxyquinoline into metal ions exchanged magadiites via solid-solid reaction and their optical properties. <i>Applied Clay Science</i> , <b>2019</b> , 174, 47-56	5.2	8
35	Fabrication of 3D hierarchical porous VO <sub>2</sub> (B)/CNT/rGO ternary nanocomposite with sandwich-like structure as enhanced electrodes for high-performance supercapacitors. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 586, 124222	5.1	8
34	A dual-polymer strategy boosts hydrated vanadium oxide for ammonium-ion storage. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 606, 1322-1332	9.3	8
33	Synthesis and characterization of hollow V <sub>2</sub> O <sub>5</sub> microspheres for supercapacitor electrode with pseudocapacitance. <i>Materials Science-Poland</i> , <b>2017</b> , 35, 188-196	0.6	7
32	Fabrication and electrochemical properties of manganese dioxide coated on cobalt silicate nanobelts core-shell composites for hybrid supercapacitors. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 600, 124951	5.1	7
31	Designed Synthesis and Supercapacitor Electrode of V <sub>2</sub> O <sub>3</sub> @C Core-shell Structured Nanorods with Excellent Pseudo-capacitance in Na <sub>2</sub> SO <sub>4</sub> Neutral Electrolyte. <i>ChemistrySelect</i> , <b>2018</b> , 3, 1577-1584	1.8	7
30	Active Functional Group-coated VO <sub>2</sub> (B) Nanorods: Facile One-pot Hydrothermal Synthesis and Conversion to V <sub>2</sub> O <sub>3</sub> . <i>Chemistry Letters</i> , <b>2014</b> , 43, 337-339	1.7	7
29	The synthesis and electrochemical properties of low-crystallinity iron silicate derived from reed leaves as a supercapacitor electrode material. <i>Dalton Transactions</i> , <b>2021</b> , 50, 8917-8926	4.3	7



28	Bamboo Leaves as Sustainable Sources for the Preparation of Amorphous Carbon/Iron Silicate Anode and Nickel/Cobalt Silicate Cathode Materials for Hybrid Supercapacitors. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 9328-9340	6.1	7
27	Study on the oxidation transformation of hexamethyleneimine in a confined region of zeolites. <i>Microporous and Mesoporous Materials</i> , <b>2017</b> , 244, 158-163	5.3	6
26	Facile hydrothermal synthesis and electrochemical properties of (NH <sub>4</sub> ) <sub>2</sub> V <sub>4</sub> O <sub>9</sub> sheets for supercapacitor electrode with excellent performance. <i>Materials Letters</i> , <b>2018</b> , 229, 26-30	3.3	6
25	Three-in-One Strategy that Ensures V <sub>2</sub> O <sub>5</sub> ·nH <sub>2</sub> O with Superior Zn <sup>2+</sup> Storage by Simultaneous Protonated Polyaniline Intercalation and Encapsulation. <i>Small Structures</i> , <b>2022</b> , 3, 2100212	8.7	6
24	Hydrothermal treatment with VO <sub>2</sub> (B) nanobelts for synthesis of VO <sub>2</sub> (A) and W doped VO <sub>2</sub> (M) nanobelts. <i>Materials Research Innovations</i> , <b>2015</b> , 19, 295-302	1.9	5
23	High pH promoting the synthesis of V-Silicalite-1 with high vanadium content in the framework and its catalytic performance in selective oxidation of styrene. <i>Dalton Transactions</i> , <b>2018</b> , 47, 11375-11385	4.3	5
22	Intercalation of calcein into layered silicate magadiite and their optical properties. <i>Royal Society Open Science</i> , <b>2017</b> , 4, 171258	3.3	5
21	Synthesis and electrochemical properties of V <sub>2</sub> O <sub>5</sub> ·nH <sub>2</sub> O compound with reduced graphene oxide/polyvinyl alcohol film as the free-standing cathode for coin-typed aqueous Zn-ion batteries. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 613, 126087	5.1	5
20	Three-Dimensional Network of Vanadium Oxyhydroxide Nanowires Hybridize with Carbonaceous Materials with Enhanced Electrochemical Performance for Supercapacitor. <i>ACS Applied Energy Materials</i> , <b>2018</b> ,	6.1	5
19	Synthesis and characterization of VO <sub>2</sub> @poly(sodium styrene sulfonate)/polypyrrole using VO <sub>2</sub> @PSS as a template. <i>Materials Express</i> , <b>2015</b> , 5, 351-358	1.3	4
18	The influence of VO <sub>2</sub> (B) nanobelts on thermal decomposition of ammonium perchlorate. <i>Materials Science-Poland</i> , <b>2015</b> , 33, 560-565	0.6	4
17	RGO/Manganese Silicate/MOF-derived carbon Double-Sandwich-Like structure as the cathode material for aqueous rechargeable Zn-ion batteries. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> ,	9.3	4
16	Sandwich-Like Sulfur-Doped V <sub>2</sub> O <sub>5</sub> /Reduced graphene Oxide/Sulfur-Doped V <sub>2</sub> O <sub>5</sub> Core-shell structure boosts Zinc-Ion storage. <i>Applied Surface Science</i> , <b>2021</b> , 568, 150919	6.7	4
15	Influence of the electrochemical properties of vanadium oxides on specific capacitance by molybdenum doping. <i>Bulletin of Materials Science</i> , <b>2019</b> , 42, 1	1.7	3
14	Study on the oxidation transformation of diethylamine in a confined region of ZSM-22. <i>Materials Letters</i> , <b>2017</b> , 206, 84-86	3.3	3
13	Layered silicate magadiite-derived three-dimensional honeycomb-like cobalt/nickel silicates as excellent cathode for hybrid supercapacitors. <i>Materials Today Chemistry</i> , <b>2021</b> , 22, 100550	6.2	3
12	Polypyrrole-intercalation tuning lamellar structure of V <sub>2</sub> O <sub>5</sub> ·nH <sub>2</sub> O boosts fast zinc-ion kinetics for aqueous zinc-ion battery. <i>Journal of Power Sources</i> , <b>2022</b> , 536, 231489	8.9	3
11	In-situ synthesis of V <sub>2</sub> O <sub>5</sub> hollow spheres coated Ni-foam as binder-free electrode for high-performance symmetrical supercapacitor. <i>Materials Letters</i> , <b>2019</b> , 248, 101-104	3.3	2

10	Rapid Combustion Synthesis of Metal Oxides Species Highly Dispersed on Layered Silicate Magadiite. <i>ChemistrySelect</i> , <b>2020</b> , 5, 569-574	1.8	2
9	Dispersed FeO nanoparticles decorated with CoSiO hollow spheres for enhanced oxygen evolution reaction.. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 611, 235-245	9.3	2
8	Rice-like and rose-like zinc silicates anchored on amorphous carbon derived from natural reed leaves for high-performance supercapacitors. <i>Dalton Transactions</i> , <b>2021</b> , 50, 9438-9449	4.3	2
7	Nickel oxide nanoparticles dispersed on biomass-derived amorphous carbon/cobalt silicate support accelerate the oxygen evolution reaction.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 616, 476-487	9.3	2
6	Hierarchical VOOH hollow spheres for symmetrical and asymmetrical supercapacitor devices. <i>Royal Society Open Science</i> , <b>2018</b> , 5, 171768	3.3	1
5	Preparation of Amorphous Carbon Nanotubes (a-CNTs) from Vanadium Dioxide@Organic Carbon CoreShell-structured Composites and Their Thermal Stability in Air. <i>Chemistry Letters</i> , <b>2013</b> , 42, 1502-1504	1.7	1
4	Cobalt oxide decorated three-dimensional amorphous carbon/cobalt silicate composite derived from bamboo leaves enables the enhanced oxygen evolution reaction. <i>Chemical Engineering Science</i> , <b>2022</b> , 251, 117490	4.4	1
3	Synthesis and phase transition properties of VO <sub>2</sub> (M) hollow spheres with large thermal hysteresis width. <i>Micro and Nano Letters</i> , <b>2019</b> , 14, 819-822	0.9	1
2	Formation and optical properties of metal/10-hydroxybenzo[h]quinolone complexes in the interlayer spaces of magadiite by solid-solid reactions. <i>Royal Society Open Science</i> , <b>2018</b> , 5, 171732	3.3	1
1	Structural Regulation of Vanadium Oxide by Poly(3,4-ethylenedioxythiophene) Intercalation for Ammonium-ion Supercapacitors <b>2022</b> , 100013		1