

Yifu Zhang

List of Publications by Year in descending order

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156
papers

7,256
citations

36299

51
h-index

74160

75
g-index

157
all docs

157
docs citations

157
times ranked

4108
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2019, 362, 818-829.	12.7	225
2	Fast and reversible zinc ion intercalation in Al-ion modified hydrated vanadate. <i>Nano Energy</i> , 2020, 70, 104519.	16.0	188
3	Stitching of Zn ₃ (OH) ₂ V ₂ O ₇ ·2H ₂ O 2D Nanosheets by 1D Carbon Nanotubes Boosts Ultrahigh Rate for Wearable Quasi-Solid-State Zinc-Ion Batteries. <i>ACS Nano</i> , 2020, 14, 842-853.	14.6	183
4	Hydrothermal encapsulation of VO ₂ (A) nanorods in amorphous carbon by carbonization of glucose for energy storage devices. <i>Dalton Transactions</i> , 2018, 47, 452-464.	3.3	171
5	Cobalt-nickel silicate hydroxide on amorphous carbon derived from bamboo leaves for hybrid supercapacitors. <i>Chemical Engineering Journal</i> , 2019, 375, 121938.	12.7	171
6	Fabrication of (NH ₄) ₂ V ₃ O ₈ nanoparticles encapsulated in amorphous carbon for high capacity electrodes in aqueous zinc ion batteries. <i>Chemical Engineering Journal</i> , 2020, 382, 122844.	12.7	164
7	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> , 2019, 534, 142-155.	9.4	146
8	In-situ hydrothermal growth of Zn ₄ Si ₂ O ₇ (OH) ₂ ·H ₂ O anchored on 3D N, S-enriched carbon derived from plant biomass for flexible solid-state asymmetrical supercapacitors. <i>Chemical Engineering Journal</i> , 2018, 352, 519-529.	12.7	143
9	Fabrication of V ₂ O ₅ with various morphologies for high-performance electrochemical capacitor. <i>Applied Surface Science</i> , 2016, 377, 385-393.	6.1	121
10	Facile hydrothermal synthesis of ultrahigh-aspect-ratio V ₂ O ₅ nanowires for high-performance supercapacitors. <i>Current Applied Physics</i> , 2015, 15, 493-498.	2.4	110
11	In Situ Generated Ni ₃ Si ₂ O ₅ (OH) ₄ on Mesoporous Heteroatom-Enriched Carbon Derived from Natural Bamboo Leaves for High-Performance Supercapacitors. <i>ACS Applied Energy Materials</i> , 2018, 1, 3396-3409.	5.1	109
12	Ammonium Vanadium Oxide [(NH ₄) ₂ V ₄ O ₉] Sheets for High Capacity Electrodes in Aqueous Zinc Ion Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 7861-7869.	5.1	107
13	Improve the catalytic activity of Fe ₂ O ₃ particles in decomposition of ammonium perchlorate by coating amorphous carbon on their surface. <i>Journal of Solid State Chemistry</i> , 2011, 184, 387-390.	2.9	102
14	Kelp-derived three-dimensional hierarchical porous N, O-doped carbon for flexible solid-state symmetrical supercapacitors with excellent performance. <i>Applied Surface Science</i> , 2018, 447, 876-885.	6.1	102
15	Beltlike V ₂ O ₃ @C Core-Shell Structured Composite: Design, Preparation, Characterization, Phase Transition, and Improvement of Electrochemical Properties of V ₂ O ₃ . <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 1650-1659.	2.0	100
16	All-in-one stretchable coaxial-fiber strain sensor integrated with high-performing supercapacitor. <i>Energy Storage Materials</i> , 2020, 25, 124-130.	18.0	100
17	Facile fabrication of Fe ₃ O ₄ and Co ₃ O ₄ microspheres and their influence on the thermal decomposition of ammonium perchlorate. <i>Journal of Alloys and Compounds</i> , 2016, 674, 259-265.	5.5	96
18	Template Fabrication of Amorphous Co ₂ SiO ₄ Nanobelts/Graphene Oxide Composites with Enhanced Electrochemical Performances for Hybrid Supercapacitors. <i>ACS Applied Energy Materials</i> , 2019, 2, 3830-3839.	5.1	96

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19	<i>In situ</i> 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> , 2020, 8, 15130-15139.	10.3	91
20	Synthesis and supercapacitor electrode of VO ₂ (B)/C core-shell composites with a pseudocapacitance in aqueous solution. <i>Applied Surface Science</i> , 2016, 371, 189-195.	6.1	90
21	3D hierarchical porous V ₃ O ₇ ·H ₂ O 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> , 2018, 531, 382-393.	9.4	90
22	New Strategy for the Morphology-Controlled Synthesis of V ₂ O ₅ Microcrystals with Enhanced Capacitance as Battery-type Supercapacitor Electrodes. <i>Crystal Growth and Design</i> , 2018, 18, 5365-5376.	3.0	88
23	Dual ions enable vanadium oxide hydration with superior Zn ²⁺ storage for aqueous zinc-ion batteries. <i>Chemical Engineering Journal</i> , 2022, 433, 133795.	12.7	88
24	Three-dimensional porous V ₂ O ₅ hierarchical spheres as a battery-type electrode for a hybrid supercapacitor with excellent charge storage performance. <i>Dalton Transactions</i> , 2017, 46, 15048-15058.	3.3	87
25	Single-Atom Catalysts: Advances and Challenges in Metal-Support Interactions for Enhanced Electrocatalysis. <i>Electrochemical Energy Reviews</i> , 2022, 5, 145-186.	25.5	86
26	Controlled synthesis of 3D porous VO ₂ (B) hierarchical spheres with different interiors for energy storage. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2798-2810.	6.0	85
27	Hydrothermal synthesis, characterization, formation mechanism and electrochemical property of V ₃ O ₇ ·H ₂ O single-crystal nanobelts. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 175, 164-171.	3.5	84
28	Sandwich-like honeycomb Co ₂ SiO ₄ /rGO/honeycomb Co ₂ SiO ₄ structures with enhanced electrochemical properties for high-performance hybrid supercapacitor. <i>Journal of Power Sources</i> , 2021, 492, 229643.	7.8	84
29	3D Interlaced Networks of VO(OH) ₂ Nanoflakes Wrapped with Graphene Oxide Nanosheets as Electrodes for Energy Storage Devices. <i>ACS Applied Nano Materials</i> , 2019, 2, 2934-2945.	5.0	83
30	Coupled cobalt silicate nanobelt-on-nanobelt hierarchy structure with reduced graphene oxide for enhanced supercapacitive performance. <i>Journal of Power Sources</i> , 2020, 448, 227407.	7.8	82
31	NH ₄ V ₃ O ₈ ·0.5H ₂ O nanobelts with intercalated water molecules as a high performance zinc ion battery cathode. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1434-1443.	5.9	81
32	Copper oxide/cuprous oxide/hierarchical porous biomass-derived carbon hybrid composites for high-performance supercapacitor electrode. <i>Journal of Alloys and Compounds</i> , 2019, 782, 1103-1113.	5.5	78
33	Ammonium ion intercalated hydrated vanadium pentoxide for advanced aqueous rechargeable Zn-ion batteries. <i>Materials Today Energy</i> , 2020, 18, 100509.	4.7	77
34	A facile method for preparing VO ₂ nanobelts. <i>Materials Letters</i> , 2008, 62, 1878-1880.	2.6	76
35	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> , 2019, 3, 2090-2101.	5.9	74
36	Alkali etching metal silicates derived from bamboo leaves with enhanced electrochemical properties for solid-state hybrid supercapacitors. <i>Chemical Engineering Journal</i> , 2021, 417, 127964.	12.7	73

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37	Facile hydrothermal synthesis of vanadium oxides nanobelts by ethanol reduction of peroxovanadium complexes. <i>Ceramics International</i> , 2013, 39, 129-141.	4.8	72
38	Fabrication of vanadium sulfide (VS ₄) wrapped with carbonaceous materials as an enhanced electrode for symmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2020, 574, 312-323.	9.4	71
39	Facile hydrothermal synthesis and electrochemical properties of (NH ₄) ₂ V ₁₀ O ₂₅ ·8H ₂ O nanobelts for high-performance aqueous zinc ion batteries. <i>Electrochimica Acta</i> , 2020, 332, 135506.	5.2	67
40	One-step hydrothermal preparation of (NH ₄) ₂ V ₃ O ₈ /carbon composites and conversion to porous V ₂ O ₅ nanoparticles as supercapacitor electrode with excellent pseudocapacitive capability. <i>Applied Surface Science</i> , 2017, 423, 728-742.	6.1	60
41	“Double guarantee mechanism” of Ca ²⁺ -intercalation and rGO-integration ensures hydrated vanadium oxide with high performance for aqueous zinc-ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 79-89.	6.0	59
42	Hydrothermal synthesis of VS ₄ /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> , 2019, 554, 191-201.	9.4	57
43	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> , 2021, 603, 641-650.	9.4	57
44	Rice husk-derived Mn ₃ O ₄ /manganese silicate/C nanostructured composites for high-performance hybrid supercapacitors. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2788-2800.	6.0	56
45	Hydrated vanadium pentoxide/reduced graphene oxide-polyvinyl alcohol (V ₂ O ₅ ·nH ₂ O/rGO-PVA) film as a binder-free electrode for solid-state Zn-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 845-854.	9.4	56
46	Fabrication of V ₃ O ₇ ·H ₂ O@C core-shell nanostructured composites and the effect of V ₃ O ₇ ·H ₂ O and V ₃ O ₇ ·H ₂ O@C on decomposition of ammonium perchlorate. <i>Journal of Alloys and Compounds</i> , 2011, 509, L69-L73.	5.5	55
47	Preparation of W- and Mo-doped VO ₂ (M) by ethanol reduction of peroxovanadium complexes and their phase transition and optical switching properties. <i>Journal of Alloys and Compounds</i> , 2012, 544, 30-36.	5.5	55
48	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> , 2018, 47, 8052-8062.	3.3	55
49	Hydrothermal synthesis of vanadium dioxides/carbon composites and their transformation to surface-uneven V ₂ O ₅ nanoparticles with high electrochemical properties. <i>RSC Advances</i> , 2016, 6, 93741-93752.	3.6	54
50	Facile preparation, optical and electrochemical properties of layer-by-layer V ₂ O ₅ quadrate structures. <i>Applied Surface Science</i> , 2017, 399, 151-159.	6.1	54
51	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> , 2020, 561, 762-771.	9.4	52
52	V ₂ O ₃ /C nanocomposites with interface defects for enhanced intercalation pseudocapacitance. <i>Electrochimica Acta</i> , 2019, 318, 635-643.	5.2	51
53	Improvement of the electrochemical properties of V ₃ O ₇ ·H ₂ O nanobelts for Li battery application through synthesis of V ₃ O ₇ @C core-shell nanostructured composites. <i>Current Applied Physics</i> , 2011, 11, 1159-1163.	2.4	50
54	The additives W, Mo, Sn and Fe for promoting the formation of VO ₂ (M) and its optical switching properties. <i>Materials Letters</i> , 2013, 92, 61-64.	2.6	49

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55	Direct preparation and formation mechanism of belt-like doped VO ₂ (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> , 2013, 570, 104-113.	5.5	48
56	Synthesis of zeolites Na-A and Na-X from tablet compressed and calcinated coal fly ash. <i>Royal Society Open Science</i> , 2017, 4, 170921.	2.4	48
57	Influence of different additives on the synthesis of VO ₂ polymorphs. <i>Ceramics International</i> , 2013, 39, 8363-8376.	4.8	47
58	Quasi-solid-state fiber-shaped aqueous energy storage devices: recent advances and prospects. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6406-6433.	10.3	47
59	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> , 2018, 548, 158-171.	4.7	45
60	Synthesis and characterization of belt-like VO ₂ (B)@carbon and V ₂ O ₃ @carbon core-shell structured composites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 396, 144-152.	4.7	44
61	Encapsulating V ₂ O ₃ 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> , 2018, 262, 199-206.	4.4	43
62	Synthesis of amorphous carbon coated on V ₂ O ₃ core-shell composites for enhancing the electrochemical properties of V ₂ O ₃ as supercapacitor electrode. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 518, 188-196.	4.7	42
63	Fabrication and catalytic activity of ultra-long V ₂ O ₅ nanowires on the thermal decomposition of ammonium perchlorate. <i>Ceramics International</i> , 2014, 40, 11393-11398.	4.8	41
64	Metal oxide decorated layered silicate magadiite for enhanced properties: insight from ZnO and CuO decoration. <i>Dalton Transactions</i> , 2017, 46, 4303-4316.	3.3	41
65	Synthesis, structure, optical and magnetic properties of interlamellar decoration of magadiite using vanadium oxide species. <i>Microporous and Mesoporous Materials</i> , 2017, 244, 264-277.	4.4	41
66	Engineering Interlayer Space of Vanadium Oxide by Pyridinesulfonic Acid-Assisted Intercalation of Polypyrrole Enables Enhanced Aqueous Zinc-Ion Storage. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 61154-61165.	8.0	40
67	Polypyrrole-intercalation tuning lamellar structure of V ₂ O ₅ ·nH ₂ O boosts fast zinc-ion kinetics for aqueous zinc-ion battery. <i>Journal of Power Sources</i> , 2022, 536, 231489.	7.8	40
68	Mn ²⁺ as the "spearhead" preventing the trap of Zn ²⁺ in layered Mn ²⁺ inserted hydrated vanadium pentoxide enables high rate capacity. <i>Journal of Colloid and Interface Science</i> , 2021, 602, 14-22.	9.4	39
69	Synthesis of bimetallic organic framework Cu/Co-BTC and the improved performance of thiophene adsorption. <i>RSC Advances</i> , 2019, 9, 15642-15647.	3.6	38
70	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> , 2021, 4, 9328-9340.	5.1	38
71	Facile synthesis, phase transition, optical switching and oxidation resistance properties of belt-like VO ₂ (A) and VO ₂ (M) with a rectangular cross section. <i>Materials Research Bulletin</i> , 2012, 47, 1978-1986.	5.2	37
72	VO ₂ (B) conversion to VO ₂ (A) and VO ₂ (M) and their oxidation resistance and optical switching properties. <i>Materials Science-Poland</i> , 2016, 34, 169-176.	1.0	37

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73	Improvement of the specific capacitance of V ₂ O ₅ nanobelts as supercapacitor electrode by tungsten doping. <i>Materials Chemistry and Physics</i> , 2017, 186, 5-10.	4.0	37
74	Facile hydrothermal synthesis and electrochemical properties of (NH ₄) ₂ V ₆ O ₁₆ nanobelts for aqueous rechargeable zinc ion batteries. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 593, 124621.	4.7	37
75	One-step hydrothermal conversion of VO ₂ (B) into W-doped VO ₂ (M) and its phase transition and optical switching properties. <i>Solid State Communications</i> , 2014, 180, 24-27.	1.9	36
76	Facile template-free fabrication of hierarchical V ₂ O ₅ hollow spheres with excellent charge storage performance for symmetric and hybrid supercapacitor devices. <i>Journal of Alloys and Compounds</i> , 2018, 763, 180-191.	5.5	35
77	Adsorption desulfurization of model gasoline by metal-organic framework Ni ₃ (BTC) ₂ . <i>Journal of Energy Chemistry</i> , 2019, 32, 8-14.	12.9	35
78	A novel route to fabricate belt-like VO ₂ (M)@C core-shell structured composite and its phase transition properties. <i>Materials Letters</i> , 2012, 71, 127-130.	2.6	34
79	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> , 2018, 268, 16-24.	4.4	34
80	Facile synthesis and characterization of LiV ₃ O ₈ with sheet-like morphology for high-performance supercapacitors. <i>Materials Letters</i> , 2016, 171, 240-243.	2.6	33
81	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> , 2019, 471, 842-851.	6.1	33
82	A dual-polymer strategy boosts hydrated vanadium oxide for ammonium-ion storage. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1322-1332.	9.4	33
83	“Three-in-One” Strategy that Ensures V ₂ O ₅ ·nH ₂ O with Superior Zn ²⁺ Storage by Simultaneous Protonated Polyaniline Intercalation and Encapsulation. <i>Small Structures</i> , 2022, 3, .	12.0	33
84	Synthesis of V ₂ O ₃ (A) nanobelts by the transformation of V ₂ O ₃ (B) under the hydrothermal treatment and its optical switching properties. <i>Solid State Communications</i> , 2012, 152, 253-256.	1.9	32
85	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> , 2013, 98, 916-925.	5.8	32
86	Belt-like VO ₂ (M) with a rectangular cross section: A new route to prepare, the phase transition and the optical switching properties. <i>Current Applied Physics</i> , 2012, 12, 875-879.	2.4	31
87	Synthesis of amorphous MnSiO ₃ /graphene oxide with excellent electrochemical performance as supercapacitor electrode. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 562, 93-100.	4.7	31
88	Hydrothermal synthesis of VO ₂ (A) nanobelts and their phase transition and optical switching properties. <i>Micro and Nano Letters</i> , 2011, 6, 888.	1.3	30
89	Facile one-pot hydrothermal synthesis of belt-like V ₂ -V ₆ O ₁₃ with rectangular cross sections for Li-ion battery application. <i>Materials Letters</i> , 2015, 160, 404-407.	2.6	30
90	Synthesis of urchin-like Ni ₃ Si ₂ O ₅ (OH) ₄ hierarchical hollow spheres/GO composite with enhanced electrochemical properties for high-performance hybrid supercapacitors. <i>Dalton Transactions</i> , 2019, 48, 11749-11762.	3.3	30

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91	Controlled synthesis and electrochemical properties of vanadium oxides with different nanostructures. <i>Bulletin of Materials Science</i> , 2012, 35, 369-376.	1.7	27
92	Hydrothermal synthesis and electrochemical properties of hierarchical vanadyl hydroxide spheres with hollow core and mesoporous shell. <i>Microporous and Mesoporous Materials</i> , 2017, 249, 137-145.	4.4	27
93	Manganese Silicate Nanosheets for Quasi-Solid-State Hybrid Supercapacitors. <i>ACS Applied Nano Materials</i> , 2021, 4, 8173-8183.	5.0	27
94	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> , 2022, 616, 476-487.	9.4	27
95	Direct fabrication of organic carbon coated VO ₂ (B) (VO ₂ (B)@C) core-shell structured nanobelts by one step hydrothermal route and its formation mechanism. <i>Applied Surface Science</i> , 2012, 263, 124-131.	6.1	26
96	One-step hydrothermal synthesis and characterization of V ⁴⁺ /Cr ⁶⁺ /O nanospheres and their excellent performance in the ammoxidation of 3,4- and 2,6-DCT. <i>Materials Research Bulletin</i> , 2013, 48, 3620-3624.	5.2	26
97	Ammonia-etching-assisted nanotailoring of manganese silicate boosts faradaic capacity for high-performance hybrid supercapacitors. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2220-2228.	4.9	26
98	Fabrication of belt-like VO ₂ (M)@C core-shell structured composite to improve the electrochemical properties of VO ₂ (M). <i>Current Applied Physics</i> , 2013, 13, 47-52.	2.4	25
99	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> , 2017, 246, 102-113.	4.4	24
100	A facile hydrothermal synthesis of tungsten doped monoclinic vanadium dioxide with B phase for supercapacitor electrode with pseudocapacitance. <i>Materials Letters</i> , 2016, 182, 285-288.	2.6	23
101	Hydrothermal synthesis and supercapacitor electrode of low crystallinity VOOH hollow spheres with pseudocapacitance in aqueous solution. <i>Materials Letters</i> , 2017, 205, 1-5.	2.6	23
102	Fe ₃ O ₄ nanoparticles/polymer immobilized on silicate platelets for crude oil recovery. <i>Microporous and Mesoporous Materials</i> , 2019, 278, 185-194.	4.4	23
103	Sandwich-Like Sulfur-Doped V ₂ O ₅ /Reduced graphene Oxide/Sulfur-Doped V ₂ O ₅ Core-shell structure boosts Zinc-Ion storage. <i>Applied Surface Science</i> , 2021, 568, 150919.	6.1	23
104	Dual intercalation of inorganics/organics for synergistically tuning the layer spacing of V ₂ O ₅ ·nH ₂ O to boost Zn ²⁺ storage for aqueous zinc-ion batteries. <i>Nanoscale</i> , 2022, 14, 8776-8788.	5.6	22
105	Template-free synthesis of porous V ₂ O ₅ flakes as a battery-type electrode material with high capacity for supercapacitors. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 553, 317-326.	4.7	21
106	A novel intercalation pseudocapacitive electrode material: VO(OH) ₂ /CNT composite with cross-linked structure for high performance flexible symmetric supercapacitors. <i>Applied Surface Science</i> , 2019, 492, 746-755.	6.1	21
107	Self-assembled HV _x O _y nanobelts/rGO nanocomposite with an ultrahigh specific capacitance: Synthesis and promising applications in supercapacitors. <i>Applied Surface Science</i> , 2019, 481, 59-68.	6.1	21
108	Preparation of V ₂ O ₃ nanopowders by supercritical fluid reduction. <i>Journal of Supercritical Fluids</i> , 2011, 56, 194-200.	3.2	20

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109	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> , 2018, 266, 14-23.	4.4	20
110	Facile synthesis of V ₂ O ₃ /C composite and the effect of V ₂ O ₃ and V ₂ O ₃ /C on decomposition of ammonium perchlorate. <i>Micro and Nano Letters</i> , 2012, 7, 782.	1.3	19
111	Synthesis of Co ₂ SiO ₄ /Ni(OH) ₂ core-shell structure as the supercapacitor electrode material with enhanced electrochemical properties. <i>Materials Letters</i> , 2021, 282, 128774.	2.6	19
112	Dispersed FeO nanoparticles decorated with Co ₂ SiO ₄ hollow spheres for enhanced oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2022, 611, 235-245.	9.4	19
113	Facile synthesis and characterization of rough surface V_{2}O_{5} nanomaterials for pseudo-supercapacitor electrode material with high capacitance. <i>Bulletin of Materials Science</i> , 2017, 40, 1137-1149.	1.7	18
114	Fabrication of 3D hierarchical porous VO ₂ (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> , 2020, 586, 124222.	4.7	17
115	PVA-assisted hydrated vanadium pentoxide/reduced graphene oxide films for excellent Li ⁺ and Zn ²⁺ storage properties. <i>Journal of Materials Science and Technology</i> , 2021, 83, 7-17.	10.7	17
116	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> , 2022, 251, 117490.	3.8	17
117	Fabrication of V ₂ O ₃ /C core-shell structured composite and VC nanobelts by the thermal treatment of VO ₂ /C composite. <i>Applied Surface Science</i> , 2012, 258, 9650-9655.	6.1	16
118	Changes of medium-range structure in the course of crystallization of zeolite omega from magadiite. <i>Microporous and Mesoporous Materials</i> , 2014, 200, 86-91.	4.4	16
119	A novel route for synthesis and growth formation of metal oxides microspheres: Insights from V ₂ O ₃ microspheres. <i>Materials Chemistry and Physics</i> , 2016, 177, 543-553.	4.0	16
120	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> , 2022, 610, 805-817.	9.4	16
121	Controlled synthesis of V ₆ O ₁₃ nanobelts by a facile one-pot hydrothermal process and their effect on thermal decomposition of ammonium perchlorate. <i>Materials Express</i> , 2015, 5, 105-112.	0.5	15
122	Changes of medium-range structure in the course of crystallization of mordenite from diatomite. <i>Microporous and Mesoporous Materials</i> , 2015, 206, 52-57.	4.4	15
123	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> , 2016, 6, 114808-114817.	3.6	15
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