List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Water‣ubricated Intercalation in V ₂ O ₅ •nH ₂ O for High apacity and Highâ€Rate Aqueous Rechargeable Zinc Batteries. Advanced Materials, 2018, 30, 1703725.	21.0	1,084
2	Na+ intercalation pseudocapacitance in graphene-coupled titanium oxide enabling ultra-fast sodium storage and long-term cycling. Nature Communications, 2015, 6, 6929.	12.8	969
3	Layered VS ₂ Nanosheetâ€Based Aqueous Zn Ion Battery Cathode. Advanced Energy Materials, 2017, 7, 1601920.	19.5	961
4	Manipulating Adsorption–Insertion Mechanisms in Nanostructured Carbon Materials for Highâ€Efficiency Sodium Ion Storage. Advanced Energy Materials, 2017, 7, 1700403.	19.5	662
5	Sodium Ion Stabilized Vanadium Oxide Nanowire Cathode for Highâ€Performance Zincâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1702463.	19.5	650
6	Highly Durable Na ₂ V ₆ O ₁₆ ·1.63H ₂ O Nanowire Cathode for Aqueous Zinc-Ion Battery. Nano Letters, 2018, 18, 1758-1763.	9.1	568
7	Graphene Scrollâ€Coated αâ€MnO ₂ Nanowires as Highâ€Performance Cathode Materials for Aqueous Znâ€lon Battery. Small, 2018, 14, e1703850.	10.0	563
8	Expanded hydrated vanadate for high-performance aqueous zinc-ion batteries. Energy and Environmental Science, 2019, 12, 2273-2285.	30.8	512
9	Ultrathin Surface Coating Enables Stabilized Zinc Metal Anode. Advanced Materials Interfaces, 2018, 5, 1800848.	3.7	476
10	Highâ€Performance Aqueous Zinc–Ion Battery Based on Layered H ₂ V ₃ O ₈ Nanowire Cathode. Small, 2017, 13, 1702551.	10.0	455
11	Zn/V ₂ O ₅ Aqueous Hybrid-Ion Battery with High Voltage Platform and Long Cycle Life. ACS Applied Materials & Interfaces, 2017, 9, 42717-42722.	8.0	401
12	General synthesis of complex nanotubes by gradient electrospinning and controlled pyrolysis. Nature Communications, 2015, 6, 7402.	12.8	370
13	Manganese Oxide/Carbon Yolk–Shell Nanorod Anodes for High Capacity Lithium Batteries. Nano Letters, 2015, 15, 738-744.	9.1	345
14	SnO ₂ Quantum Dots@Graphene Oxide as a Highâ€Rate and Longâ€Life Anode Material for Lithiumâ€Ion Batteries. Small, 2016, 12, 588-594.	10.0	338
15	Amorphous Vanadium Oxide Matrixes Supporting Hierarchical Porous Fe ₃ O ₄ /Graphene Nanowires as a High-Rate Lithium Storage Anode. Nano Letters, 2014, 14, 6250-6256.	9.1	257
16	VO ₂ Nanowires Assembled into Hollow Microspheres for High-Rate and Long-Life Lithium Batteries. Nano Letters, 2014, 14, 2873-2878.	9.1	244
17	Self-sacrificed synthesis of three-dimensional Na3V2(PO4)3 nanofiber network for high-rate sodium–ion full batteries. Nano Energy, 2016, 25, 145-153.	16.0	230
18	Ultrastable and High-Performance Zn/VO ₂ Battery Based on a Reversible Single-Phase Reaction. Chemistry of Materials, 2019, 31, 699-706.	6.7	227

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19	Activation of Sodium Storage Sites in Prussian Blue Analogues via Surface Etching. Nano Letters, 2017, 17, 4713-4718.	9.1	225
20	Nanowire Templated Semihollow Bicontinuous Graphene Scrolls: Designed Construction, Mechanism, and Enhanced Energy Storage Performance. Journal of the American Chemical Society, 2013, 135, 18176-18182.	13.7	187
21	Nanowires in Energy Storage Devices: Structures, Synthesis, and Applications. Advanced Energy Materials, 2018, 8, 1802369.	19.5	169
22	Building better zinc-ion batteries: A materials perspective. EnergyChem, 2019, 1, 100022.	19.1	153
23	Novel K ₃ V ₂ (PO ₄) ₃ /C Bundled Nanowires as Superior Sodiumâ€ion Battery Electrode with Ultrahigh Cycling Stability. Advanced Energy Materials, 2015, 5, 1500716.	19.5	150
24	Field Effect Enhanced Hydrogen Evolution Reaction of MoS ₂ Nanosheets. Advanced Materials, 2017, 29, 1604464.	21.0	148
25	Integrated Intercalationâ€Based and Interfacial Sodium Storage in Grapheneâ€Wrapped Porous Li ₄ Ti ₅ O ₁₂ Nanofibers Composite Aerogel. Advanced Energy Materials, 2016, 6, 1600322.	19.5	141
26	Heterogeneous branched core–shell SnO2–PANI nanorod arrays with mechanical integrity and three dimentional electron transport for lithium batteries. Nano Energy, 2014, 8, 196-204.	16.0	140
27	Self-adaptive strain-relaxation optimization for high-energy lithium storage material through crumpling of graphene. Nature Communications, 2014, 5, 4565.	12.8	139
28	Interwoven Three-Dimensional Architecture of Cobalt Oxide Nanobrush-Graphene@Ni _{<i>x</i>} Co _{2<i>x</i>} (OH) _{6<i>x</i>} for High-Performance Supercapacitors. Nano Letters, 2015, 15, 2037-2044.	9.1	134
29	Field-Effect Tuned Adsorption Dynamics of VSe ₂ Nanosheets for Enhanced Hydrogen Evolution Reaction. Nano Letters, 2017, 17, 4109-4115.	9.1	134
30	α-MoO3- by plasma etching with improved capacity and stabilized structure for lithium storage. Nano Energy, 2018, 49, 555-563.	16.0	133
31	Carbonâ€MEMSâ€Based Alternating Stacked MoS ₂ @rGOâ€CNT Microâ€Supercapacitor with High Capacitance and Energy Density. Small, 2017, 13, 1700639.	10.0	132
32	Graphene Oxide Wrapped Amorphous Copper Vanadium Oxide with Enhanced Capacitive Behavior for Highâ€Rate and Longâ€Life Lithiumâ€Ion Battery Anodes. Advanced Science, 2015, 2, 1500154.	11.2	114
33	Separating electronic and ionic conductivity in mix-conducting layered lithium transition-metal oxides. Journal of Power Sources, 2018, 393, 75-82.	7.8	104
34	Mesoporous Li ₃ VO ₄ /C Submicronâ€Ellipsoids Supported on Reduced Graphene Oxide as Practical Anode for Highâ€Power Lithiumâ€Ion Batteries. Advanced Science, 2015, 2, 1500284.	11.2	99
35	Track batteries degrading in real time. Nature, 2017, 546, 469-470.	27.8	98
36	In situ characterization of electrochemical processes in one dimensional nanomaterials for energy storages devices. Nano Energy, 2016, 24, 165-188.	16.0	97

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37	Cathodic polarization suppressed sodium-ion full cell with a 3.3 V high-voltage. Nano Energy, 2016, 28, 216-223.	16.0	97
38	Capacitance and voltage matching between MnO2 nanoflake cathode and Fe2O3 nanoparticle anode for high-performance asymmetric micro-supercapacitors. Nano Research, 2017, 10, 2471-2481.	10.4	97
39	Lattice Breathing Inhibited Layered Vanadium Oxide Ultrathin Nanobelts for Enhanced Sodium Storage. ACS Applied Materials & Interfaces, 2015, 7, 18211-18217.	8.0	94
40	FeSe2 clusters with excellent cyclability and rate capability for sodium-ion batteries. Nano Research, 2017, 10, 3202-3211.	10.4	91
41	Nanoflakesâ€Assembled Threeâ€Dimensional Hollowâ€Porous V ₂ O ₅ as Lithium Storage Cathodes with Highâ€Rate Capacity. Small, 2014, 10, 3032-3037.	10.0	90
42	Phosphorus Enhanced Intermolecular Interactions of SnO ₂ and Graphene as an Ultrastable Lithium Battery Anode. Small, 2017, 13, 1603973.	10.0	87
43	Pseudocapacitive layered iron vanadate nanosheets cathode for ultrahigh-rate lithium ion storage. Nano Energy, 2018, 47, 294-300.	16.0	87
44	Reversible V3+/V5+ double redox in lithium vanadium oxide cathode for zinc storage. Energy Storage Materials, 2020, 29, 113-120.	18.0	85
45	Catalyzing zinc-ion intercalation in hydrated vanadates for aqueous zinc-ion batteries. Journal of Materials Chemistry A, 2020, 8, 7713-7723.	10.3	84
46	Copper Silicate Hydrate Hollow Spheres Constructed by Nanotubes Encapsulated in Reduced Graphene Oxide as Long-Life Lithium-Ion Battery Anode. ACS Applied Materials & Interfaces, 2015, 7, 26572-26578.	8.0	82
47	Acetylene Black Induced Heterogeneous Growth of Macroporous CoV ₂ O ₆ Nanosheet for High-Rate Pseudocapacitive Lithium-Ion Battery Anode. ACS Applied Materials & Interfaces, 2016, 8, 7139-7146.	8.0	81
48	Flexible additive free H ₂ V ₃ O ₈ nanowire membrane as cathode for sodium ion batteries. Physical Chemistry Chemical Physics, 2016, 18, 12074-12079.	2.8	79
49	Ultrathin pre-lithiated V6O13 nanosheet cathodes with enhanced electrical transport and cyclability. Journal of Power Sources, 2014, 255, 235-241.	7.8	78
50	V2O5 quantum dots/graphene hybrid nanocomposite with stable cyclability for advanced lithium batteries. Nano Energy, 2013, 2, 916-922.	16.0	76
51	Supercritically exfoliated ultrathin vanadium pentoxide nanosheets with high rate capability for lithium batteries. Physical Chemistry Chemical Physics, 2013, 15, 16828.	2.8	74
52	Integrated SnO ₂ nanorod array with polypyrrole coverage for high-rate and long-life lithium batteries. Physical Chemistry Chemical Physics, 2015, 17, 7619-7623.	2.8	74
53	Graphene Oxide Templated Growth and Superior Lithium Storage Performance of Novel Hierarchical Co ₂ V ₂ O ₇ Nanosheets. ACS Applied Materials & Interfaces, 2016, 8, 2812-2818.	8.0	74
54	Improved conductivity and capacitance of interdigital carbon microelectrodes through integration with carbon nanotubes for micro-supercapacitors. Nano Research, 2016, 9, 2510-2519.	10.4	73

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55	Thermal Induced Strain Relaxation of 1D Iron Oxide for Solid Electrolyte Interphase Control and Lithium Storage Improvement. Advanced Energy Materials, 2017, 7, 1601582.	19.5	73
56	Single-Nanowire Electrochemical Probe Detection for Internally Optimized Mechanism of Porous Graphene in Electrochemical Devices. Nano Letters, 2016, 16, 1523-1529.	9.1	72
57	Arbitrary Shape Engineerable Spiral Micropseudocapacitors with Ultrahigh Energy and Power Densities. Advanced Materials, 2015, 27, 7476-7482.	21.0	70
58	Wrinkled-graphene enriched MoO3 nanobelts with increased conductivity and reduced stress for enhanced electrochemical performance. Physical Chemistry Chemical Physics, 2013, 15, 17165.	2.8	69
59	Facile synthesis of a Co ₃ V ₂ O ₈ interconnected hollow microsphere anode with superior high-rate capability for Li-ion batteries. Journal of Materials Chemistry A, 2016, 4, 5075-5080.	10.3	66
60	In Situ Investigation of Li and Na Ion Transport with Single Nanowire Electrochemical Devices. Nano Letters, 2015, 15, 3879-3884.	9.1	61
61	An electrospun hierarchical LiV3O8 nanowire-in-network for high-rate and long-life lithium batteries. Journal of Materials Chemistry A, 2015, 3, 19850-19856.	10.3	61
62	Three dimensional V2O5/NaV6O15 hierarchical heterostructures: Controlled synthesis and synergistic effect investigated by in situ X-ray diffraction. Nano Energy, 2016, 27, 147-156.	16.0	61
63	Self-assembly synthesis of 3D graphene-encapsulated hierarchical Fe 3 O 4 nano-flower architecture with high lithium storage capacity and excellent rate capability. Journal of Power Sources, 2017, 365, 98-108.	7.8	61
64	Superior Hydrogen Evolution Reaction Performance in 2Hâ€MoS ₂ to that of 1T Phase. Small, 2019, 15, e1900964.	10.0	59
65	Novel Polygonal Vanadium Oxide Nanoscrolls as Stable Cathode for Lithium Storage. Advanced Functional Materials, 2015, 25, 1773-1779.	14.9	54
66	Oxygen evolution reaction dynamics monitored by an individual nanosheet-based electronic circuit. Nature Communications, 2017, 8, 645.	12.8	49
67	Binding TiO ₂ -B nanosheets with N-doped carbon enables highly durable anodes for lithium-ion batteries. Journal of Materials Chemistry A, 2016, 4, 8172-8179.	10.3	47
68	MoS2/MnO2 heterostructured nanodevices for electrochemical energy storage. Nano Research, 2018, 11, 2083-2092.	10.4	47
69	Unveiling the role of surface P–O group in P-doped Co3O4 for electrocatalytic oxygen evolution by On-chip micro-device. Nano Energy, 2021, 83, 105748.	16.0	46
70	The Young's modulus of high-aspect-ratio carbon/carbon nanotube composite microcantilevers by experimental and modeling validation. Applied Physics Letters, 2015, 106, .	3.3	45
71	Novel Charging-Optimized Cathode for a Fast and High-Capacity Zinc-Ion Battery. ACS Applied Materials & Interfaces, 2020, 12, 10420-10427.	8.0	43
72	Interconnected Nanorods–Nanoflakes Li ₂ Co ₂ (MoO ₄) ₃ Framework Structure with Enhanced Electrochemical Properties for Supercapacitors. Advanced Energy Materials, 2015, 5, 1500060.	19.5	42

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73	Vertically stacked holey graphene/polyaniline heterostructures with enhanced energy storage for on-chip micro-supercapacitors. Nano Research, 2016, 9, 1012-1021.	10.4	39
74	Insight into pre-sodiation in Na3V2(PO4)2F3/C @ hard carbon full cells for promoting the development of sodium-ion battery. Chemical Engineering Journal, 2021, 413, 127565.	12.7	38
75	Pyrolyzed carbon with embedded NiO/Ni nanospheres for applications in microelectrodes. RSC Advances, 2016, 6, 43436-43441.	3.6	37
76	Electrochemical in situ X-ray probing in lithium-ion and sodium-ion batteries. Journal of Materials Science, 2017, 52, 3697-3718.	3.7	36
77	On-chip micro/nano devices for energy conversion and storage. Nano Today, 2019, 28, 100764.	11.9	33
78	<i>In situ</i> monitoring of the electrochemically induced phase transition of thermodynamically metastable 1T-MoS ₂ at nanoscale. Nanoscale, 2020, 12, 9246-9254.	5.6	33
79	In operando observation of temperature-dependent phase evolution in lithium-incorporation olivine cathode. Nano Energy, 2016, 22, 406-413.	16.0	31
80	Rapid, all dry microfabrication of three-dimensional Co3O4/Pt nanonetworks for high-performance microsupercapacitors. Nanoscale, 2017, 9, 11765-11772.	5.6	30
81	Electrochemically Exfoliating MoS ₂ into Atomically Thin Planarâ€ S tacking Through a Selective Lateral Reaction Pathway. Advanced Functional Materials, 2021, 31, 2007840.	14.9	23
82	Three-Dimensional LiMnPO ₄ ·Li ₃ V ₂ (PO ₄) ₃ /C Nanocomposite as a Bicontinuous Cathode for High-Rate and Long-Life Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 17527-17534.	8.0	21
83	The Capturing of Ionized Oxygen in Sodium Vanadium Oxide Nanorods Cathodes under Operando Conditions. Advanced Functional Materials, 2016, 26, 6555-6562.	14.9	18
84	In Operando Probing of Sodium-Incorporation in NASICON Nanomaterial: Asymmetric Reaction and Electrochemical Phase Diagram. Chemistry of Materials, 2017, 29, 8057-8064.	6.7	18
85	Novel Li ₂ MnO ₃ nanowire anode with internal Li-enrichment for use in a Li-ion battery. Nanoscale, 2014, 6, 8124-8129.	5.6	17
86	A Bowknot-like RuO ₂ quantum dots@V ₂ O ₅ cathode with largely improved electrochemical performance. Physical Chemistry Chemical Physics, 2014, 16, 18680-18685.	2.8	17
87	Electric field and photoelectrical effect bi-enhanced hydrogen evolution reaction. Nano Research, 2018, 11, 3205-3212.	10.4	17
88	Illumining phase transformation dynamics of vanadium oxide cathode by multimodal techniques under operando conditions. Nano Research, 2019, 12, 905-910.	10.4	12
89	P-doped germanium nanowires with Fano-broadening in Raman spectrum. Journal Wuhan University of Technology, Materials Science Edition, 2016, 31, 52-57.	1.0	4
90	Quadrupling the stored charge by extending the accessible density of states. CheM, 2022, 8, 2410-2418.	11.7	4

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91	Operando Observation of Structural Evolution and Kinetics of Li[Ni0.6Co0.2Mn0.2]O2 at Elevated Temperature. Chemical Research in Chinese Universities, 2020, 36, 690-693.	2.6	3
92	CNTs/LiV3O8/Y2O3 Composites with Enhanced Electrochemical Performances as Cathode Materials for Rechargeable Solid-State Lithium Metal Batteries. ACS Applied Materials & Interfaces, 2021, 13, 8219-8228.	8.0	1
93	In SituObservation and Mechanism Investigation of Lattice Breathing in Vanadium Oxide Cathode. Acta Chimica Sinica, 2016, 74, 582.	1.4	1
94	Micro/Nanofabrication and Characterization of Advanced Materials and Devices. Journal of Nanotechnology, 2019, 2019, 1-1.	3.4	0