

Yue-Sheng Wang

List of Publications by Citations

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55
papers

4,183
citations

29
h-index

58
g-index

58
ext. papers

4,944
ext. citations

11.1
avg, IF

5.5
L-index

#	Paper	IF	Citations
55	A zero-strain layered metal oxide as the negative electrode for long-life sodium-ion batteries. <i>Nature Communications</i> , 2013 , 4, 2365	17.4	468
54	Amorphous monodispersed hard carbon micro-spherules derived from biomass as a high performance negative electrode material for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 71-77	13	347
53	P2-Na _{0.6} [Cr _{0.6} Ti _{0.4}]O ₂ cation-disordered electrode for high-rate symmetric rechargeable sodium-ion batteries. <i>Nature Communications</i> , 2015 , 6, 6954	17.4	345
52	Water-in-Salt Electrolyte Makes Aqueous Sodium-Ion Battery Safe, Green, and Long-Lasting. <i>Advanced Energy Materials</i> , 2017 , 7, 1701189	21.8	335
51	Suppressing the P2-O2 Phase Transition of Na _{0.67} Mn _{0.67} Ni _{0.33} O ₂ by Magnesium Substitution for Improved Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 7445-9	16.4	330
50	Ti-substituted tunnel-type NaMnO ₂ oxide as a negative electrode for aqueous sodium-ion batteries. <i>Nature Communications</i> , 2015 , 6, 6401	17.4	265
49	Amorphous iron phosphate: potential host for various charge carrier ions. <i>NPG Asia Materials</i> , 2014 , 6, e138-e138	10.3	180
48	A high-performance sodium-ion battery enhanced by macadamia shell derived hard carbon anode. <i>Nano Energy</i> , 2017 , 39, 489-498	17.1	132
47	A Novel High Capacity Positive Electrode Material with Tunnel-Type Structure for Aqueous Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2015 , 5, 1501005	21.8	127
46	Sodium Vanadium Fluorophosphates (NVOPF) Array Cathode Designed for High-Rate Full Sodium Ion Storage Device. <i>Advanced Energy Materials</i> , 2018 , 8, 1800058	21.8	124
45	TiS ₂ as a high performance potassium ion battery cathode in ether-based electrolyte. <i>Energy Storage Materials</i> , 2018 , 12, 216-222	19.4	102
44	Fe-Based Tunnel-Type Na _{0.61} [Mn _{0.27} Fe _{0.34} Ti _{0.39}]O ₂ Designed by a New Strategy as a Cathode Material for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2015 , 5, 1501156	21.8	100
43	Direct evidence of gradient Mn(II) evolution at charged states in LiNi _{0.5} Mn _{1.5} O ₄ electrodes with capacity fading. <i>Journal of Power Sources</i> , 2015 , 273, 1120-1126	8.9	99
42	Graphene Oxide-Template Controlled Cuboid-Shaped High-Capacity VS ₄ Nanoparticles as Anode for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1801806	15.6	94
41	A Layered Tunnel Intergrowth Structure for High-Performance Sodium-Ion Oxide Cathode. <i>Advanced Energy Materials</i> , 2018 , 8, 1800492	21.8	85
40	Lattice-Strain Engineering of Homogeneous NiS Se Core-Shell Nanostructure as a Highly Efficient and Robust Electrocatalyst for Overall Water Splitting. <i>Advanced Materials</i> , 2020 , 32, e2000231	24	79
39	Superior electrochemical performance of sodium-ion full-cell using poplar wood derived hard carbon anode. <i>Energy Storage Materials</i> , 2019 , 18, 269-279	19.4	56

38	Improved Li storage performance in SnO ₂ nanocrystals by a synergetic doping. <i>Scientific Reports</i> , 2016 , 6, 18978	4.9	55
37	Suppressing the P2O ₂ Phase Transition of Na _{0.67} Mn _{0.67} Ni _{0.33} O ₂ by Magnesium Substitution for Improved Sodium-Ion Batteries. <i>Angewandte Chemie</i> , 2016 , 128, 7571-7575	3.6	53
36	Tailored N-doped porous carbon nanocomposites through MOF self-assembling for Li/Na ion batteries. <i>Journal of Colloid and Interface Science</i> , 2019 , 538, 267-276	9.3	51
35	High-Performance Manganese Hexacyanoferrate with Cubic Structure as Superior Cathode Material for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 1908754	15.6	46
34	Enhanced Structural and Electrochemical Stability of Self-Similar Rice-Shaped SnO Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 9747-9755	9.5	42
33	Direct imaging of layered O ₃ - and P ₂ -Na _x Fe _{1/2} Mn _{1/2} O ₂ structures at the atomic scale. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 21946-52	3.6	40
32	Experimental visualization of the diffusion pathway of sodium ions in the Na ₃ [Ti ₂ P ₂ O ₁₀ F] anode for sodium-ion battery. <i>Scientific Reports</i> , 2014 , 4, 7231	4.9	39
31	Sodium-Deficient O ₃ -Na _{0.9} [Ni _{0.4} Mn _x Ti _{0.6-x}]O ₂ Layered-Oxide Cathode Materials for Sodium-Ion Batteries. <i>Particle and Particle Systems Characterization</i> , 2016 , 33, 538-544	3.1	39
30	Na-deficient O ₃ -type cathode material Na _{0.8} [Ni _{0.3} Co _{0.2} Ti _{0.5}]O ₂ for room-temperature sodium-ion batteries. <i>Electrochimica Acta</i> , 2015 , 158, 258-263	6.7	38
29	A General Carboxylate-Assisted Approach to Boost the ORR Performance of ZIF-Derived Fe/N/C Catalysts for Proton Exchange Membrane Fuel Cells. <i>Advanced Functional Materials</i> , 2021 , 31, 2009645	15.6	36
28	High Rate and Long Cycle Life of a CNT/rGO/Si Nanoparticle Composite Anode for Lithium-Ion Batteries. <i>Particle and Particle Systems Characterization</i> , 2017 , 34, 1700141	3.1	32
27	Ultra-low cost and highly stable hydrated FePO ₄ anodes for aqueous sodium-ion battery. <i>Journal of Power Sources</i> , 2018 , 374, 211-216	8.9	32
26	Insights into pseudographite-structured hard carbon with stabilized performance for high energy K-ion storage. <i>Journal of Power Sources</i> , 2019 , 444, 227310	8.9	29
25	Practical Challenges in Employing Graphene for Lithium-Ion Batteries and Beyond. <i>Small Methods</i> , 2017 , 1, 1700099	12.8	27
24	High-Capacity and Long-Cycle Life Aqueous Rechargeable Lithium-Ion Battery with the FePO Anode. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 7061-7068	9.5	25
23	Pillar-beam structures prevent layered cathode materials from destructive phase transitions. <i>Nature Communications</i> , 2021 , 12, 13	17.4	24
22	Layered oxides-LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ as anode electrode for symmetric rechargeable lithium-ion batteries. <i>Journal of Power Sources</i> , 2018 , 378, 516-521	8.9	23
21	High Capacity and High Efficiency Maple Tree-Biomass-Derived Hard Carbon as an Anode Material for Sodium-Ion Batteries. <i>Materials</i> , 2018 , 11,	3.5	23

20	A new Tin-based $\text{O}_3\text{-Na}_{0.9}[\text{Ni}_{0.45}\text{Mn}_{0.55}/2]\text{O}_2$ as sodium-ion battery cathode. <i>Journal of Energy Chemistry</i> , 2019 , 31, 132-137	12	21
19	Porous Carbon Membrane-Supported Atomically Dispersed Pyrrole-Type Fe ₂ N as Active Sites for Electrochemical Hydrazine Oxidation Reaction. <i>Small</i> , 2020 , 16, e2002203	11	19
18	Highly Active and CO-Tolerant Trimetallic NiPtPd Hollow Nanocrystals as Electrocatalysts for Methanol Electro-oxidation Reaction. <i>ACS Applied Energy Materials</i> , 2019 , 2, 4763-4773	6.1	18
17	Size-controlled synthesis and morphology evolution of bismuth trifluoride nanocrystals via a novel solvent extraction route. <i>Nanoscale</i> , 2013 , 5, 518-22	7.7	18
16	Highly Active and Durable Single-Atom Tungsten-Doped NiS Se Nanosheet@NiS Se Nanorod Heterostructures for Water Splitting.. <i>Advanced Materials</i> , 2022 , e2107053	24	18
15	Pre-treatments of Lithium Foil Surface for Improving the Cycling Life of Li Metal Batteries. <i>Frontiers in Materials</i> , 2019 , 6,	4	18
14	KOH-doped polybenzimidazole membrane for direct hydrazine fuel cell. <i>Journal of Colloid and Interface Science</i> , 2020 , 563, 27-32	9.3	15
13	Enhancing the electrochemical performance of an $\text{O}_3\text{-NaCrO}_2$ cathode in sodium-ion batteries by cation substitution. <i>Journal of Power Sources</i> , 2019 , 435, 226760	8.9	14
12	A High-Temperature β -Phase NaMnO_2 Stabilized by Cu Doping and Its Na Storage Properties. <i>Chinese Physics Letters</i> , 2018 , 35, 048801	1.8	14
11	Roles of Ti in Electrode Materials for Sodium-Ion Batteries. <i>Frontiers in Energy Research</i> , 2019 , 7,	3.8	13
10	Application of Operando X-ray Diffractometry in Various Aspects of the Investigations of Lithium/Sodium-Ion Batteries. <i>Energies</i> , 2018 , 11, 2963	3.1	13
9	ZIF-derived Co_2N_4 ORR catalyst with high performance in proton exchange membrane fuel cells. <i>Progress in Natural Science: Materials International</i> , 2020 , 30, 855-860	3.6	12
8	Combining the Advantages of Hollow and One-Dimensional Structures: Balanced Activity and Stability toward Methanol Oxidation Based on the Interface of PtCo Nanochains. <i>ACS Applied Energy Materials</i> , 2019 , 2, 1588-1593	6.1	11
7	Capacity Contribution Induced by Pseudo-Capacitance Adsorption Mechanism of Anode Carbonaceous Materials Applied in Potassium-ion Battery. <i>Frontiers in Chemistry</i> , 2019 , 7, 640	5	9
6	Effects of ester-based electrolyte composition and salt concentration on the Na-storage stability of hard carbon anodes. <i>Journal of Power Sources</i> , 2020 , 471, 228455	8.9	7
5	A new oxyfluorinated titanium phosphate anode for a high-energy lithium-ion battery. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 1270-4	9.5	7
4	Promoting the charge separation and photoelectrocatalytic water reduction kinetics of Cu_2O nanowires via decorating dual-cocatalysts. <i>Journal of Materials Science and Technology</i> , 2021 , 62, 119-127 ¹	9.1	7
3	Effects of Different Atmosphere on Electrochemical Performance of Hard Carbon Electrode in Sodium Ion Battery. <i>Electronic Materials Letters</i> , 2019 , 15, 428-436	2.9	6

- 2 Na-K liquid alloy: A review on wettability enhancement and ionic carrier selection mechanism. *Chinese Chemical Letters*, **2021**, 32, 983-989 8.1 3
- 1 P2-Na_{0.55}[Mg_{0.25}Mn_{0.75}]O₂: An SEI-free anode for long-life and high-rate Na-ion batteries. *Energy Storage Materials*, **2022**, 45, 92-100 19.4 1