

# Jianwen Yang

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

502  
citations

759233

12  
h-index

677142

22  
g-index

24  
all docs

24  
docs citations

24  
times ranked

784  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel understanding of carbothermal reduction enhancing electronic and ionic conductivity of $\text{Li}_{0.4}\text{Ti}_{0.5}\text{O}_{12}$ anode. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11773-11781.	10.3	88
2	Carbon-coated $\text{LiCrTiO}_4$ electrode material promoting phase transition to reduce asymmetric polarization for lithium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 2882.	2.8	49
3	The polyacrylic latex: an efficient water-soluble binder for $\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$ cathode in li-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1-8.	2.5	48
4	Enhancing sodium-ion storage performance of $\text{MoO}_2/\text{N}$ -doped carbon through interfacial Mo-N-C bond. <i>Science China Materials</i> , 2021, 64, 85-95.	6.3	48
5	Carbon encapsulated Sn-Co alloy: A stabilized tin-based material for sodium storage. <i>Materials Letters</i> , 2018, 210, 321-324.	2.6	34
6	Facile synthesis of nanocrystalline-assembled nest-like NiO hollow microspheres with superior lithium storage performance. <i>RSC Advances</i> , 2017, 7, 31287-31297.	3.6	32
7	Layered Cathode Materials: Precursors, Synthesis, Microstructure, Electrochemical Properties, and Battery Performance. <i>Small</i> , 2022, 18, e2107697.	10.0	28
8	Preparation and characterization of $\text{LiTi}_2\text{O}_4$ anode material synthesized by one-step solid-state reaction. <i>Ionics</i> , 2010, 16, 425-429.	2.4	27
9	Organosilicon functionalized glycerol carbonates as electrolytes for lithium-ion batteries. <i>RSC Advances</i> , 2015, 5, 17660-17666.	3.6	19
10	Crucial role of water content on the electrochemical performance of $\text{Ni}(\text{OH})_2$ as an anode material for lithium-ion batteries. <i>Ionics</i> , 2021, 27, 65-74.	2.4	17
11	Facile synthesis of nanostructured $\text{Li}_{0.4}\text{Ti}_{0.5}\text{O}_{12}/\text{PEDOT:PSS}$ composite as anode material for lithium-ion batteries. <i>RSC Advances</i> , 2016, 6, 95512-95517.	3.6	16
12	An improved solid-state method for synthesizing $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ cathode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2017, 715, 304-310.	5.5	16
13	Microspherical $\text{LiFePO}_3.98\text{F}_0.02/3\text{DG}/\text{C}$ as an advanced cathode material for high-energy lithium-ion battery with a superior rate capability and long-term cyclability. <i>Ionics</i> , 2021, 27, 1-11.	2.4	12
14	Synthesis and Electrochemical Properties of Y-Doped $\text{LiNi}_{1/3}\text{Mn}_{1/3}\text{Co}_{1/3}\text{O}_2$ Cathode Materials for Li-Ion Battery. <i>Integrated Ferroelectrics</i> , 2011, 127, 150-156.	0.7	11
15	$\text{LiMn}_2\text{O}_4$ Cathode Materials with Excellent Performances by Synergistic Enhancement of Double-Cation ( $\text{Na}^+$ , $\text{Mg}^{2+}$ ) Doping and 3DG Coating for Power Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2020, 124, 26106-26116.	3.1	11
16	Improved solid-state synthesis and electrochemical properties of $\text{LiNi}_{0.6}\text{Mn}_{0.2}\text{Co}_{0.2}\text{O}_2$ cathode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 844, 156034.	5.5	11
17	A Novel Aminoalkylsiloxane Compound as a Film-Forming Electrolyte Additive for Graphite Anode. <i>Electrochemistry</i> , 2015, 83, 537-540.	1.4	7
18	Facile synthesis of monodispersed $\text{Fe}_2\text{O}_3$ cubes as a high-performance anode material for lithium-ion batteries. <i>Ionics</i> , 2021, 27, 3291-3299.	2.4	7

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19	Mechanism and properties of rod-like $\text{Li}_{1.2}\text{Mn}_{0.54}\text{Ni}_{0.13}\text{Co}_{0.13}\text{O}_2$ cathode material synthesized by $\hat{\text{I}}^2\text{-MnO}_2$ template for advanced Li-ion batteries. <i>Journal of Alloys and Compounds</i> , 2021, 867, 158935.	5.5	5
20	Electrochemical Performance and Behavior Mechanism for $\text{Zn/LiFePO}_4$ Battery in a Slightly Acidic Aqueous Electrolyte. <i>ChemSusChem</i> , 2022, 15, .	6.8	5
21	Monodisperse $\text{SnO}_2/\text{Co}_3\text{O}_4$ nanocubes synthesized via phase separation and their advantages in electrochemical Li-ion storage. <i>Ionics</i> , 2020, 26, 6125-6132.	2.4	4
22	Fabrication of $\text{ZnSe/C}$ Hollow Polyhedrons for Lithium Storage. <i>Chemistry - A European Journal</i> , 2021, 27, 14989-14995.	3.3	4
23	Formation mechanism of spinel $\text{LiTi}_2\text{O}_4$ prepared by carbon thermal reduction reaction. <i>RSC Advances</i> , 2015, 5, 97720-97723.	3.6	3
24	Theoretical Investigation on the Electron Transport Behavior of Fe-Porphyrin Complexes. <i>Integrated Ferroelectrics</i> , 2011, 127, 91-96.	0.7	0