Yingqiang Wu

List of Publications by Year in descending order

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37 papers	2,501 citations	249298 26 h-index	371746 37 g-index
37 all docs	37 docs citations	37 times ranked	3897 citing authors

#	Article	IF	Citations
1	Insight into the Coprecipitation-Controlled Crystallization Reaction for Preparing Lithium-Layered Oxide Cathodes. ACS Applied Materials & Interfaces, 2021, 13, 717-726.	4.0	34
2	Electrolyte Chemistry in 3D Metal Oxide Nanorod Arrays Deciphers Lithium Dendrite-Free Plating/Stripping Behaviors for High-Performance Lithium Batteries. Journal of Physical Chemistry Letters, 2021, 12, 4857-4866.	2.1	19
3	Unraveling the New Role of Metalâ€“Organic Frameworks in Designing Silicon Hollow Nanocages for High-Energy Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 40471-40480.	4.0	13
4	Interfacial Model Deciphering Highâ€Voltage Electrolytes for High Energy Density, High Safety, and Fastâ€Charging Lithiumâ€Ion Batteries. Advanced Materials, 2021, 33, e2102964.	11.1	122
5	Crystal reconstruction of binary oxide hexagonal nanoplates: monocrystalline formation mechanism and high rate lithium-ion battery applications. Nanoscale, 2020, 12, 4366-4373.	2.8	8
6	Self-catalytic approach to construct graphitized carbon shell for metal oxide: In-situ triggering mechanism and high-performance lithium-ion batteries applications. Journal of Power Sources, 2020, 450, 227631.	4.0	14
7	Catalysis of silica-based anode (de-)lithiation: compositional design within a hollow structure for accelerated conversion reaction kinetics. Journal of Materials Chemistry A, 2020, 8, 12306-12313.	5.2	43
8	Carbon Nanotubes Coupled with Metal Ion Diffusion Layers Stabilize Oxide Conversion Reactions in High-Voltage Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 16276-16285.	4.0	14
9	Unraveling Metal Oxide Role in Exfoliating Graphite: New Strategy to Construct Highâ€Performance Grapheneâ€Modified SiO_xâ€Based Anode for Lithiumâ€Ion Batteries. Advanced Functional Materials, 2020, 30, 1910657.	7.8	78
10	An Empirical Model for the Design of Batteries with High Energy Density. ACS Energy Letters, 2020, 5, 807-816.	8.8	97
11	Bio-inspired heteroatom-doped hollow aurilave-like structured carbon for high-performance sodium-ion batteries and supercapacitors. Journal of Power Sources, 2020, 461, 228128.	4.0	24
12	A Designed Durable Electrolyte for Highâ€Voltage Lithiumâ€Ion Batteries and Mechanism Analysis. Chemistry - A European Journal, 2020, 26, 7930-7936.	1.7	22
13	Engineering Sodium-Ion Solvation Structure to Stabilize Sodium Anodes: Universal Strategy for Fast-Charging and Safer Sodium-Ion Batteries. Nano Letters, 2020, 20, 3247-3254.	4.5	78
14	Performance and Stability Improvement of Layered NCM Lithium-Ion Batteries at High Voltage by a Microporous Al₂O₃ Solâ€“Gel Coating. ACS Omega, 2019, 4, 13972-13980.	1.6	57
15	New Insight on the Role of Electrolyte Additives in Rechargeable Lithium Ion Batteries. ACS Energy Letters, 2019, 4, 2613-2622.	8.8	160
16	Understanding Ostwald Ripening and Surface Charging Effects in Solvothermallyâ€Prepared Metal Oxideâ€“Carbon Anodes for High Performance Rechargeable Batteries. Advanced Energy Materials, 2019, 9, 1902194.	10.2	50
17	MXene based self-assembled cathode and antifouling separator for high-rate and dendrite-inhibited Liâ€“S battery. Nano Energy, 2019, 61, 478-485.	8.2	131
18	Lithium dendrite-free plating/stripping: a new synergistic lithium ion solvation structure effect for reliable lithiumâ€“sulfur full batteries. Chemical Communications, 2019, 55, 5713-5716.	2.2	24

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19	Metalâ€“Organic Coordination Strategy for Obtaining Metalâ€Decorated Moâ€Based Complexes: Multiâ€dimensional Structural Evolution and Highâ€Rate Lithiumâ€Ion Battery Applications. Chemistry - A European Journal, 2019, 25, 8813-8819.	1.7	16
20	New Organic Complex for Lithium Layered Oxide Modification: Ultrathin Coating, High-Voltage, and Safety Performances. ACS Energy Letters, 2019, 4, 656-665.	8.8	97
21	An Exploration of New Energy Storage System: High Energy Density, High Safety, and Fast Charging Lithium Ion Battery. Advanced Functional Materials, 2019, 29, 1805978.	7.8	109
22	Electrochemical activation, voltage decay and hysteresis of Li-rich layered cathode probed by various cobalt content. Electrochimica Acta, 2018, 265, 115-120.	2.6	41
23	New Insights on Graphite Anode Stability in Rechargeable Batteries: Li Ion Coordination Structures Prevail over Solid Electrolyte Interphases. ACS Energy Letters, 2018, 3, 335-340.	8.8	217
24	Recognizing the Mechanism of Sulfurized Polyacrylonitrile Cathode Materials for Liâ€“S Batteries and beyond in Alâ€“S Batteries. ACS Energy Letters, 2018, 3, 2899-2907.	8.8	224
25	Bioinspired Architectures and Heteroatom Doping To Construct Metalâ€Oxideâ€Based Anode for Highâ€Performance Lithiumâ€Ion Batteries. Chemistry - A European Journal, 2018, 24, 16902-16909.	1.7	20
26	Unique Co₃O₄/nitrogen-doped carbon nanospheres derived from metalâ€“organic framework: insight into their superior lithium storage capabilities and electrochemical features in high-voltage batteries. Journal of Materials Chemistry A, 2018, 6, 12466-12474.	5.2	85
27	Phase Inversion Strategy to Flexible Freestanding Electrode: Critical Coupling of Binders and Electrolytes for High Performance Liâ€“S Battery. Advanced Functional Materials, 2018, 28, 1802244.	7.8	64
28	Assembling metal oxide nanocrystals into dense, hollow, porous nanoparticles for lithium-ion and lithiumâ€“oxygen battery application. Nanoscale, 2013, 5, 10390.	2.8	40
29	CO2â€“expanded ethanol chemical synthesis of a Fe3O4@graphene composite and its good electrochemical properties as anode material for Li-ion batteries. Journal of Materials Chemistry A, 2013, 1, 3954.	5.2	58
30	Facile synthesis of a Co₃O₄â€“carbon nanotube composite and its superior performance as an anode material for Li-ion batteries. Journal of Materials Chemistry A, 2013, 1, 1141-1147.	5.2	169
31	Sodium salt effect on hydrothermal carbonization of biomass: a catalyst for carbon-based nanostructured materials for lithium-ion battery applications. Green Chemistry, 2013, 15, 2722.	4.6	61
32	Coating of Al2O3 on layered Li(Mn1/3Ni1/3Co1/3)O2 using CO2 as green precipitant and their improved electrochemical performance for lithium ion batteries. Journal of Energy Chemistry, 2013, 22, 468-476.	7.1	10
33	Simultaneous surface coating and chemical activation of the Li-rich solid solution lithium rechargeable cathode and its improved performance. Electrochimica Acta, 2013, 113, 54-62.	2.6	42
34	One-step hydrothermal synthesis of SnS2/graphene composites as anode material for highly efficient rechargeable lithium ion batteries. RSC Advances, 2012, 2, 5084.	1.7	115
35	Fine control of titania deposition to prepare C@TiO2 composites and TiO2 hollow particles for photocatalysis and lithium-ion battery applications. Journal of Materials Chemistry, 2012, 22, 22135.	6.7	61
36	A new strategy for finely controlling the metal (oxide) coating on colloidal particles with tunable catalytic properties. Journal of Materials Chemistry, 2011, 21, 6654.	6.7	26

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37	CO2-assisted template synthesis of porous hollow bi-phase Î³-/Îµ-Fe2O3 nanoparticles with high sensor property. Journal of Materials Chemistry, 2011, 21, 17776.	6.7	58