

Meizhen Qu

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,380
citations

257450

24
h-index

206112

48
g-index

51
all docs

51
docs citations

51
times ranked

3442
citing authors

#	ARTICLE	IF	CITATIONS
1	Superparamagnetic Fe ₃ O ₄ nanocrystals@graphene composites for energy storage devices. Journal of Materials Chemistry, 2011, 21, 5069.	6.7	336
2	The effect of gradient boracic polyanion-doping on structure, morphology, and cycling performance of Ni-rich LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ cathode material. Journal of Power Sources, 2018, 374, 1-11.	7.8	234
3	Synthesis and superior anode performance of TiO ₂ @reduced graphene oxide nanocomposites for lithium ion batteries. Journal of Materials Chemistry, 2012, 22, 9759.	6.7	136
4	Dual functions of zirconium modification on improving the electrochemical performance of Ni-rich LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ . Sustainable Energy and Fuels, 2018, 2, 413-421.	4.9	135
5	Effects of fluorine doping on structure, surface chemistry, and electrochemical performance of LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ . Electrochimica Acta, 2015, 174, 1122-1130.	5.2	134
6	Structural and electrochemical performances of Li ₄ Ti ₅ â ^x Zr _x O ₁₂ as anode material for lithium-ion batteries. Journal of Alloys and Compounds, 2009, 487, L12-L17.	5.5	125
7	Designed synthesis of SnO ₂ -polyaniline-reduced graphene oxide nanocomposites as an anode material for lithium-ion batteries. Journal of Materials Chemistry, 2011, 21, 17654.	6.7	117
8	High-capacity graphene oxide/graphite/carbon nanotube composites for use in Li-ion battery anodes. Carbon, 2014, 74, 153-162.	10.3	111
9	SnS ₂ @reduced graphene oxide nanocomposites as anode materials with high capacity for rechargeable lithium ion batteries. Journal of Materials Chemistry, 2012, 22, 23963.	6.7	97
10	AlF ₃ modification to suppress the gas generation of Li ₄ Ti ₅ O ₁₂ anode battery. Electrochimica Acta, 2014, 139, 104-110.	5.2	77
11	Synthesis and Applications of Î ³ -Tungsten Oxide Hierarchical Nanostructures. Crystal Growth and Design, 2013, 13, 759-769.	3.0	75
12	SnO ₂ @carbon@RGO heterogeneous electrode materials with enhanced anode performances in lithium ion batteries. Journal of Materials Chemistry, 2012, 22, 2851.	6.7	65
13	Graphite/graphene oxide composite as high capacity and binder-free anode material for lithium ion batteries. Journal of Power Sources, 2013, 241, 619-626.	7.8	65
14	Preparation and characterization of silicon monoxide/graphite/carbon nanotubes composite as anode for lithium-ion batteries. Journal of Solid State Electrochemistry, 2012, 16, 1453-1460.	2.5	51
15	Improved electrochemical performances of LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ cathode material by reducing lithium residues with the coating of Prussian blue. Journal of Alloys and Compounds, 2019, 774, 451-460.	5.5	51
16	Graphene oxide/lithium titanate composite with binder-free as high capacity anode material for lithium-ion batteries. Journal of Power Sources, 2015, 273, 754-760.	7.8	47
17	Dual functional MgHPO ₄ surface modifier used to repair deteriorated Ni-Rich LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ cathode material. Applied Surface Science, 2019, 465, 863-870.	6.1	46
18	Structural and electrochemical characteristics of SiO ₂ modified Li ₄ Ti ₅ O ₁₂ as anode for lithium-ion batteries. Journal of Alloys and Compounds, 2015, 637, 476-482.	5.5	45

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19	Enhancing cycle stability and storage property of LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ by using fast cooling method. <i>Electrochimica Acta</i> , 2017, 227, 225-234.	5.2	45
20	A Mn Fe based Prussian blue Analogue@Reduced graphene oxide composite as high capacity and superior rate capability anode for lithium-ion batteries. <i>Carbon</i> , 2019, 143, 706-713.	10.3	42
21	Light-Switchable Single-Walled Carbon Nanotubes Based on Host-Guest Chemistry. <i>Advanced Functional Materials</i> , 2013, 23, 5010-5018.	14.9	37
22	Effects of functional groups of graphene oxide on the electrochemical performance of lithium-ion batteries. <i>RSC Advances</i> , 2015, 5, 90041-90048.	3.6	34
23	The reaction mechanism of the Mg ²⁺ and F ⁻ co-modification and its influence on the electrochemical performance of the Li ₄ Ti ₅ O ₁₂ anode material. <i>Electrochimica Acta</i> , 2016, 188, 499-511.	5.2	28
24	Facile synthesis and high rate capability of Li ₄ Ti ₅ O ₁₂ /C composite materials with controllable carbon content. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 821-831.	2.9	26
25	A novel Li ₄ Ti ₅ O ₁₂ /graphene/carbon nano-tubes hybrid material for high rate lithium ion batteries. <i>Materials Letters</i> , 2014, 133, 289-292.	2.6	23
26	Self-Formed Protection Layer on a 3D Lithium Metal Anode for Ultrastable Lithium-Sulfur Batteries. <i>ChemSusChem</i> , 2019, 12, 2263-2270.	6.8	22
27	MOF-derived Co ₉ S ₈ /C hollow polyhedra grown on 3D graphene aerogel as efficient polysulfide mediator for long-life Li-S batteries. <i>Materials Letters</i> , 2020, 277, 128331.	2.6	19
28	Effects of Charge Cutoff Potential on an Electrolyte Additive for LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ @Mesocarbon Microbead Full Cells. <i>Energy Technology</i> , 2019, 7, 1800981.	3.8	17
29	Improving cyclic stability of LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ -SiO _x /graphite full cell using tris(trimethylsilyl)phosphite and fluoroethylene carbonate as combinative electrolyte additive. <i>Ionics</i> , 2020, 26, 2247-2257.	2.4	17
30	Reduced irreversible capacities of graphene oxide-based anodes used for lithium ion batteries via alkali treatment. <i>Journal of Energy Chemistry</i> , 2019, 37, 73-81.	12.9	16
31	In Situ Wrapping SiO with Carbon Nanotubes as Anode Material for High-Performance Li-Ion Batteries. <i>ChemistrySelect</i> , 2019, 4, 2918-2925.	1.5	13
32	Water-Soluble Polymer Assists Multisize Three-Dimensional Microspheres as a High-Performance Si Anode for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 9673-9681.	5.1	13
33	Facile Spray-Drying Synthesis of Dual-Shell Structure Si@SiO _x @Graphite/Graphene as Stable Anode for Li-Ion Batteries. <i>Energy Technology</i> , 2019, 7, 1900464.	3.8	12
34	SiO/CNTs: A new anode composition for lithium-ion battery. <i>Science in China Series B: Chemistry</i> , 2009, 52, 2047-2050.	0.8	9
35	The Synergetic Effect of LiMg _{0.5} Mn _{1.5} O ₄ Coating and Mg ²⁺ Doping on Improving Electrochemical Performances of High-Voltage LiNi _{0.5} Mn _{1.5} O ₄ by Sol-Gel Self-Combustion Method. <i>ChemistrySelect</i> , 2020, 5, 2593-2601.	1.5	9
36	Carbon Nanofibers Grown on Carbon Felt as a Reinforced Current Collector for High-Performance Lithium-Sulfur Batteries. <i>ChemElectroChem</i> , 2018, 5, 3293-3299.	3.4	7

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37	Pomegranate-Like Structured Si@SiO _x Composites With High-Capacity for Lithium-Ion Batteries. <i>Frontiers in Chemistry</i> , 2020, 8, 666.	3.6	7
38	Role of mesopores on the electrochemical performance of LiCoO ₂ composite cathodes for lithium ion batteries. <i>Ionics</i> , 2011, 17, 697-703.	2.4	6
39	Modification of Li ₄ Ti ₅ O ₁₂ Anodes Using Epoxy-Functionalized Silane to Improve Electrochemical Performance in Lithium-Ion Batteries. <i>Energy Technology</i> , 2020, 8, 1900786.	3.8	6
40	Gas-Induced Reversible Dispersion/Aggregation of Graphene. <i>ChemNanoMat</i> , 2015, 1, 438-444.	2.8	5
41	Improving the Cyclic Stability of LiNi _{0.5} Mn _{1.5} O ₄ at High Cutoff Voltage by Using Pyrene as a Novel Additive. <i>Energy Technology</i> , 2020, 8, 2000671.	3.8	4
42	<i>N</i> , <i>O</i> -Bis(trimethylsilyl)trifluoroacetamide as an Effective Interface Film Additive on Lithium Anodes. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 5447-5458.	8.0	4
43	Micro/nano-structure construct of carbon fibers reinforced graphene/CNT matrix composites for Li-S batteries. <i>Diamond and Related Materials</i> , 2022, 123, 108888.	3.9	4
44	7-Hydroxycoumarin as a Novel Film-Forming Additive for LiNi _{0.5} Mn _{1.5} O ₄ Cathode at Elevated Temperature. <i>ChemElectroChem</i> , 2020, 7, 4655-4662.	3.4	3
45	Surface Modification of Li _{1.144} Ni _{0.136} Co _{0.136} Mn _{0.544} O ₂ by Hybrid Protection Layer with Enhanced Rate Capability. <i>Energy Technology</i> , 2020, 8, 1901133.	3.8	2
46	The Synergetic Effect of Inorganic and Organic Compounds Hydrolyzed by Tetrabutyl Titanate on Improving Dispersion and Electrochemical Performance of Li ₄ Ti ₅ O ₁₂ Anode Material. <i>ChemistrySelect</i> , 2020, 5, 9531-9539.	1.5	1
47	Improving electrochemical performances of LiNi _{0.5} Mn _{1.5} O ₄ by Fe ₂ O ₃ coating with Prussian blue as precursor. <i>Ionics</i> , 2021, 27, 973-981.	2.4	1
48	Improving the Cyclic Stability of LiNi _{0.5} Mn _{1.5} O ₄ Cathode by Modifying the Interface Film with 8-Hydroxyquinoline. <i>ChemistrySelect</i> , 2021, 6, 3988-3994.	1.5	1
49	Smart Nanotubes: Light-Switchable Single-Walled Carbon Nanotubes Based on Host-Guest Chemistry (<i>Adv. Funct. Mater.</i> 40/2013). <i>Advanced Functional Materials</i> , 2013, 23, 5009-5009.	14.9	0
50	[<i>tert</i> -Butyl(diphenyl)silyl] trifluoromethanesulfonate acts as an effective additive for high-voltage lithium metal batteries. <i>Materials Chemistry Frontiers</i> , 0, , .	5.9	0