Meizhen Qu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2465479/publications.pdf

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	N,O-Bis(trimethylsilyl)trifluoroacetamide as an Effective Interface Film Additive on Lithium Anodes. ACS Applied Materials & Interfaces, 2022, 14, 5447-5458.	8.0	4
2	Micro/nano-structure construct of carbon fibers reinforced graphene/CNT matrix composites for Li-S batteries. Diamond and Related Materials, 2022, 123, 108888.	3.9	4
3	Improving electrochemical performances of LiNi0.5Mn1.5O4 by Fe2O3 coating with Prussian blue as precursor. Ionics, 2021, 27, 973-981.	2.4	1
4	Improving the Cyclic Stability of LiNi 0.5 Mn 1.5 O 4 Cathode by Modifying the Interface Film with 8â€Hydroxyquinoline. ChemistrySelect, 2021, 6, 3988-3994.	1.5	1
5	Water-Soluble Polymer Assists Multisize Three-Dimensional Microspheres as a High-Performance Si Anode for Lithium-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 9673-9681.	5.1	13
6	Modification of Li₄Ti₅O₁₂ Anodes Using Epoxyâ€Functionalized Silane to Improve Electrochemical Performance in Lithiumâ€Ion Batteries. Energy Technology, 2020, 8, 1900786.	3.8	6
7	Improving cyclic stability of LiNi0.6Co0.2Mn0.2O2-SiOx/graphite full cell using tris(trimethylsilyl)phosphite and fluoroethylene carbonate as combinative electrolyte additive. Ionics, 2020, 26, 2247-2257.	2.4	17
8	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. Energy Technology, 2020, 8, 1901133.	3.8	2
9	Pomegranate-Like Structured Si@SiOx Composites With High-Capacity for Lithium-Ion Batteries. Frontiers in Chemistry, 2020, 8, 666.	3.6	7
10	MOF-derived Co9S8/C hollow polyhedra grown on 3D graphene aerogel as efficient polysulfide mediator for long-life Li-S batteries. Materials Letters, 2020, 277, 128331.	2.6	19
11	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. ChemistrySelect, 2020, 5, 9531-9539.	1.5	1
12	7â€Hydroxycoumarin as a Novel Filmâ€Forming Additive for LiNi 0.5 Mn 1.5 O 4 Cathode at Elevated Temperature. ChemElectroChem, 2020, 7, 4655-4662.	3.4	3
13	The Synergetic Effect of LiMg_{0.5}Mn_{1.5}O₄ Coating and Mg²⁺ Doping on Improving Electrochemical Performances of Highâ€Voltage LiNi_{0.5}Mn_{1.5}O₄ by Solâ€Gel Selfâ€Combustion Method. ChemistrySelect, 2020, 5, 2593-2601.	1.5	9
14	Improving the Cyclic Stability of LiNi 0.5 Mn 1.5 O 4 at High Cutoff Voltage by Using Pyrene as a Novel Additive. Energy Technology, 2020, 8, 2000671.	3.8	4
15	Facile Sprayâ€Drying Synthesis of Dualâ€Shell Structure Si@SiO_x@Graphite/Graphene as Stable Anode for Liâ€Ion Batteries. Energy Technology, 2019, 7, 1900464.	3.8	12
16	In Situ Wrapping SiO with Carbon Nanotubes as Anode Material for Highâ€Performance Liâ€“Ion Batteries. ChemistrySelect, 2019, 4, 2918-2925.	1.5	13
17	Selfâ€Formed Protection Layer on a 3D Lithium Metal Anode for Ultrastable Lithiumâ€“Sulfur Batteries. ChemSusChem, 2019, 12, 2263-2270.	6.8	22
18	Reduced irreversible capacities of graphene oxide-based anodes used for lithium ion batteries via alkali treatment. Journal of Energy Chemistry, 2019, 37, 73-81.	12.9	16

#	Article	IF	Citations
19	A Mn Fe based Prussian blue Analogue@Reduced graphene oxide composite as high capacity and superior rate capability anode for lithium-ion batteries. Carbon, 2019, 143, 706-713.	10.3	42
20	Effects of Charge Cutoff Potential on an Electrolyte Additive for LiNi_{0.6}Co_{0.2}Mn_{0.2}O₂â€“Mesocarbon Microbead Full Cells. Energy Technology, 2019, 7, 1800981.	3.8	17
21	Dual functional MgHPO4 surface modifier used to repair deteriorated Ni-Rich LiNi0.8Co0.15Al0.05O2 cathode material. Applied Surface Science, 2019, 465, 863-870.	6.1	46
22	Improved electrochemical performances of LiNi0.6Co0.2Mn0.2O2 cathode material by reducing lithium residues with the coating of Prussian blue. Journal of Alloys and Compounds, 2019, 774, 451-460.	5.5	51
23	Dual functions of zirconium modification on improving the electrochemical performance of Ni-rich LiNi_{0.8}Co_{0.1}Mn_{0.1}O₂. Sustainable Energy and Fuels, 2018, 2, 413-421.	4.9	135
24	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
25	Carbon Nanofibers Grown on Carbon Felt as a Reinforced Current Collector for Highâ€Performance Lithiumâ^'Sulfur Batteries. ChemElectroChem, 2018, 5, 3293-3299.	3.4	7
26	Enhancing cycle stability and storage property of LiNi 0.8 Co 0.15 Al 0.05 O 2 by using fast cooling method. Electrochimica Acta, 2017, 227, 225-234.	5.2	45
27	The reaction mechanism of the Mg 2+ and F â¿¿ co-modification and its influence on the electrochemical performance of the Li 4 Ti 5 O 12 anode material. Electrochimica Acta, 2016, 188, 499-511.	5.2	28
28	Gasâ€Induced Reversible Dispersion/Aggregation of Graphene. ChemNanoMat, 2015, 1, 438-444.	2.8	5
29	Effects of fluorine doping on structure, surface chemistry, and electrochemical performance of LiNi0.8Co0.15Al0.05O2. Electrochimica Acta, 2015, 174, 1122-1130.	5.2	134
30	Structural and electrochemical characteristics of SiO2 modified Li4Ti5O12 as anode for lithium-ion batteries. Journal of Alloys and Compounds, 2015, 637, 476-482.	5.5	45
31	Effects of functional groups of graphene oxide on the electrochemical performance of lithium-ion batteries. RSC Advances, 2015, 5, 90041-90048.	3.6	34
32	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
33	A novel Li 4 Ti 5 O 12 /graphene/carbon nano-tubes hybrid material for high rate lithium ion batteries. Materials Letters, 2014, 133, 289-292.	2.6	23
34	AlF3 modification to suppress the gas generation of Li4Ti5O12 anode battery. Electrochimica Acta, 2014, 139, 104-110.	5.2	77
35	High-capacity graphene oxide/graphite/carbon nanotube composites for use in Li-ion battery anodes. Carbon, 2014, 74, 153-162.	10.3	111
36	Smart Nanotubes: Light-Switchable Single-Walled Carbon Nanotubes Based on Host-Guest Chemistry (Adv. Funct. Mater. 40/2013). Advanced Functional Materials, 2013, 23, 5009-5009.	14.9	0

#	Article	IF	Citations
37	Lightâ€Switchable Singleâ€Walled Carbon Nanotubes Based on Hostâ€“Guest Chemistry. Advanced Functional Materials, 2013, 23, 5010-5018.	14.9	37
38	Synthesis and Applications of Î³-Tungsten Oxide Hierarchical Nanostructures. Crystal Growth and Design, 2013, 13, 759-769.	3.0	75
39	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
40	SnS2@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
41	SnO2â€“carbonâ€“RGO heterogeneous electrode materials with enhanced anode performances in lithium ion batteries. Journal of Materials Chemistry, 2012, 22, 2851.	6.7	65
42	Synthesis and superior anode performance of TiO2@reduced graphene oxide nanocomposites for lithium ion batteries. Journal of Materials Chemistry, 2012, 22, 9759.	6.7	136
43	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
44	Superparamagnetic Fe3O4 nanocrystals@graphene composites for energy storage devices. Journal of Materials Chemistry, 2011, 21, 5069.	6.7	336
45	Designed synthesis of SnO2-polyaniline-reduced graphene oxide nanocomposites as an anode material for lithium-ion batteries. Journal of Materials Chemistry, 2011, 21, 17654.	6.7	117
46	Role of mesopores on the electrochemical performance of LiCoO2 composite cathodes for lithium ion batteries. Ionics, 2011, 17, 697-703.	2.4	6
47	Facile synthesis and high rate capability of Li4Ti5O12/C composite materials with controllable carbon content. Journal of Applied Electrochemistry, 2010, 40, 821-831.	2.9	26
48	SiO/CNTs: A new anode composition for lithium-ion battery. Science in China Series B: Chemistry, 2009, 52, 2047-2050.	0.8	9
49	Structural and electrochemical performances of Li4Ti5â^'xZrxO12 as anode material for lithium-ion batteries. Journal of Alloys and Compounds, 2009, 487, L12-L17.	5.5	125
50	[tert-Butyl(diphenyl)silyl] trifluoromethanesulfonate acts as an effective additive for high-voltage lithium metal batteries. Materials Chemistry Frontiers, 0, , .	5.9	0