Quanqi Chen

List of Publications by Year
in descending order

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41 papers	1,483 citations	279798 23 h-index	315739 38 g-index
42 all docs	42 docs citations	42 times ranked	1895 citing authors

#	Article	IF	Citations
1	Electrochemical performance of the carbon coated Li3V2(PO4)3 cathode material synthesized by a solâ€“gel method. Electrochimica Acta, 2007, 52, 5251-5257.	5.2	121
2	Electrochemical performance of Li3âˆ’xNaxV2(PO4)3/C composite cathode materials for lithium ion batteries. Journal of Power Sources, 2012, 201, 267-273.	7.8	98
3	Improved cycle performance of LiMn2O4 cathode material for aqueous rechargeable lithium battery by LaF3 coating. Journal of Alloys and Compounds, 2016, 654, 384-391.	5.5	84
4	Improvement in electrochemical performance of Na3V2(PO4)3/C cathode material for sodium-ion batteries by K-Ca co-doping. Electrochimica Acta, 2018, 281, 208-217.	5.2	78
5	Li3V2(PO4)3/C nanofibers composite as a high performance cathode material forÂlithium-ion battery. Journal of Power Sources, 2013, 234, 197-200.	7.8	76
6	Performance of supported Auâ€“Co alloy as the anode catalyst of direct borohydride-hydrogen peroxide fuel cell. International Journal of Hydrogen Energy, 2010, 35, 8136-8142.	7.1	74
7	Structure and electrochemical performance of FeF3/V2O5 composite cathode material for lithium-ion battery. Journal of Alloys and Compounds, 2009, 486, 93-96.	5.5	72
8	Effects of MoS2 doping on the electrochemical performance of FeF3 cathode materials for lithium-ion batteries. Materials Letters, 2009, 63, 1788-1790.	2.6	66
9	Electrochemical performance of LaF3-coated LiMn2O4 cathode materials for lithium ion batteries. Electrochimica Acta, 2012, 83, 65-72.	5.2	59
10	A novel PEO-based composite polymer electrolyte with absorptive glass mat for Li-ion batteries. Electrochimica Acta, 2007, 52, 6638-6643.	5.2	58
11	Preparation and performances of carbon aerogel microspheres for the application of supercapacitor. Journal of Solid State Electrochemistry, 2011, 15, 643-648.	2.5	57
12	Investigation of carbon-supported Au hollow nanospheres as electrocatalyst for electrooxidation of sodium borohydride. International Journal of Hydrogen Energy, 2009, 34, 3360-3366.	7.1	55
13	Core/shell nanostructured Na 3 V 2 (PO 4) 3 /C/TiO 2 composite nanofibers as a stable anode for sodium-ion batteries. Journal of Power Sources, 2017, 362, 147-159.	7.8	54
14	Enhancing sodium-ion storage performance of MoO2/N-doped carbon through interfacial Mo-N-C bond. Science China Materials, 2021, 64, 85-95.	6.3	48
15	Electrochemical characterization of a LiV3O8â€“polypyrrole composite as a cathode material for lithium ion batteries. Materials Chemistry and Physics, 2011, 127, 151-155.	4.0	36
16	Carbon encapsulated Sn-Co alloy: A stabilized tin-based material for sodium storage. Materials Letters, 2018, 210, 321-324.	2.6	34
17	Study of a novel porous gel polymer electrolyte based on TPU/PVdF by electrospinning technique. Solid State Ionics, 2011, 203, 42-46.	2.7	32
18	Effects of complexants on [Ni1/3Co1/3Mn1/3]CO3 morphology and electrochemical performance of LiNi1/3Co1/3Mn1/3O2. Journal of Solid State Electrochemistry, 2012, 16, 481-490.	2.5	32

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19	Investigation and application of polysiloxane-based gel electrolyte in valve-regulated lead-acid battery. Journal of Power Sources, 2007, 168, 49-57.	7.8	31
20	Electrochemical performance of electrospun LiFePO4/C submicrofibers composite cathode material for lithium ion batteries. Electrochimica Acta, 2012, 78, 40-48.	5.2	31
21	Na3V2(PO4)3/C nanofiber bifunction as anode and cathode materials for sodium-ion batteries. Journal of Solid State Electrochemistry, 2017, 21, 2985-2995.	2.5	30
22	Electrochemical behavior of spherical LiNi1/3Co1/3Mn1/3O2 as cathode material for aqueous rechargeable lithium batteries. Journal of Solid State Electrochemistry, 2012, 16, 491-497.	2.5	27
23	Partial replacement of K by Rb to improve electrochemical performance of K3V2(PO4)3 cathode material for potassium-ion batteries. Journal of Alloys and Compounds, 2020, 815, 152379.	5.5	26
24	3D graphene modified sphere-like VPO4/C as a high-performance anode material for lithium-ion batteries. Electrochimica Acta, 2018, 284, 609-617.	5.2	20
25	Electrochemical performance of LiVPO4F/C composite cathode prepared through amorphous vanadium phosphorus oxide intermediate. Journal of Solid State Electrochemistry, 2012, 16, 1211-1217.	2.5	18
26	Dually Decorated Na₃V₂(PO₄)₂F₃ by Carbon and 3D Graphene as Cathode Material for Sodiumâ€ion Batteries with High Energy and Power Densities. ChemElectroChem, 2020, 7, 3975-3983.	3.4	17
27	Effects of Na content on structure and electrochemical performances of NaxMnO2+Î´ cathode material. Transactions of Nonferrous Metals Society of China, 2010, 20, 1892-1898.	4.2	16
28	Micro/nano-structured Ag coated VPO4/C as a high-performance anode material for lithium-ion batteries. Materials Letters, 2019, 246, 40-44.	2.6	16
29	Studies on preparation and properties of the multi-walled carbon nanotubes (MWNTs)/epoxy nanocomposites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 5759-5763.	5.6	14
30	Effects of calcination temperature on electrochemical properties of cathode material Na4MnV(PO4)3/C synthesized by sol-gel method for sodium-ion batteries. Journal of Alloys and Compounds, 2021, 850, 156707.	5.5	14
31	CrPO4/C composite as a novel anode material for lithium-ion batteries. Journal of Power Sources, 2019, 441, 227180.	7.8	13
32	The effects of ultrasound on the direct electrosynthesis of solid K2FeO4 and the anodic behaviors of Fe in 14ÂM KOH solution. Journal of Solid State Electrochemistry, 2006, 11, 413-420.	2.5	12
33	Microspherical LiFePO3.98F0.02/3DG/C as an advanced cathode material for high-energy lithium-ion battery with a superior rate capability and long-term cyclability. Ionics, 2021, 27, 1-11.	2.4	12
34	Polarization Characteristic of Iron Anode in Concentrated NaOH Solution. Acta Physico-chimica Sinica, 2007, 23, 1525-1530.	0.6	11
35	LiMn₂O₄ Cathode Materials with Excellent Performances by Synergistic Enhancement of Double-Cation (Na⁺, Mg²⁺) Doping and 3DG Coating for Power Lithium-Ion Batteries. Journal of Physical Chemistry C, 2020, 124, 26106-26116.	3.1	11
36	Application of a novel gelled-electrolyte in valve-regulated lead-acid batteries with tubular positive plates. Journal of Applied Electrochemistry, 2007, 37, 1163-1169.	2.9	8

#	Article	IF	Citations
37	Electrochemical performance of LiFePO4/(C+Fe2P) composite cathode material synthesized by sol-gel method. Central South University, 2011, 18, 978-984.	0.5	7
38	Electrochemical Performance and Behavior Mechanism for Zn/LiFePO₄ Battery in a Slightly Acidic Aqueous Electrolyte. ChemSusChem, 2022, 15, .	6.8	5
39	Influence of pretreatment process on structure, morphology and electrochemical properties of Li[Ni1/3Co1/3Mn1/3]O2 cathode material. Transactions of Nonferrous Metals Society of China, 2011, 21, 1995-2001.	4.2	4
40	Monodisperse SnO2/Co3O4 nanocubes synthesized via phase separation and their advantages in electrochemical Li-ion storage. Ionics, 2020, 26, 6125-6132.	2.4	4
41	A novel method to prepare Sb/graphene composite with high capacity for potassium-ion batteries. Materials Letters, 2022, , 132259.	2.6	2