

# Quanqi Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

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	A novel method to prepare Sb/graphene composite with high capacity for potassium-ion batteries. <i>Materials Letters</i> , 2022, , 132259.	2.6	2
2	Electrochemical Performance and Behavior Mechanism for Zn/LiFePO <sub>4</sub> Battery in a Slightly Acidic Aqueous Electrolyte. <i>ChemSusChem</i> , 2022, 15, .	6.8	5
3	Enhancing sodium-ion storage performance of MoO <sub>2</sub> /N-doped carbon through interfacial Mo-N-C bond. <i>Science China Materials</i> , 2021, 64, 85-95.	6.3	48
4	Effects of calcination temperature on electrochemical properties of cathode material Na <sub>4</sub> MnV(PO <sub>4</sub> ) <sub>3</sub> /C synthesized by sol-gel method for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2021, 850, 156707.	5.5	14
5	Microspherical LiFePO <sub>3.98</sub> F <sub>0.02</sub> /3DG/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
6	Partial replacement of K by Rb to improve electrochemical performance of K <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> cathode material for potassium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152379.	5.5	26
7	LiMn <sub>2</sub> O <sub>4</sub> Cathode Materials with Excellent Performances by Synergistic Enhancement of Double-Cation (Na <sup>+</sup> , Mg <sup>2+</sup> ) Doping and 3DG Coating for Power Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2020, 124, 26106-26116.	3.1	11
8	Dually Decorated Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> by Carbon and 3D Graphene as Cathode Material for Sodium-Ion Batteries with High Energy and Power Densities. <i>ChemElectroChem</i> , 2020, 7, 3975-3983.	3.4	17
9	Monodisperse SnO <sub>2</sub> /Co <sub>3</sub> O <sub>4</sub> nanocubes synthesized via phase separation and their advantages in electrochemical Li-ion storage. <i>Ionics</i> , 2020, 26, 6125-6132.	2.4	4
10	CrPO <sub>4</sub> /C composite as a novel anode material for lithium-ion batteries. <i>Journal of Power Sources</i> , 2019, 441, 227180.	7.8	13
11	Micro/nano-structured Ag coated VPO <sub>4</sub> /C as a high-performance anode material for lithium-ion batteries. <i>Materials Letters</i> , 2019, 246, 40-44.	2.6	16
12	Carbon encapsulated Sn-Co alloy: A stabilized tin-based material for sodium storage. <i>Materials Letters</i> , 2018, 210, 321-324.	2.6	34
13	Improvement in electrochemical performance of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C cathode material for sodium-ion batteries by K-Ca co-doping. <i>Electrochimica Acta</i> , 2018, 281, 208-217.	5.2	78
14	3D graphene modified sphere-like VPO <sub>4</sub> /C as a high-performance anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2018, 284, 609-617.	5.2	20
15	Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C nanofiber bifunction as anode and cathode materials for sodium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 2985-2995.	2.5	30
16	Core/shell nanostructured Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /TiO <sub>2</sub> composite nanofibers as a stable anode for sodium-ion batteries. <i>Journal of Power Sources</i> , 2017, 362, 147-159.	7.8	54
17	Improved cycle performance of LiMn <sub>2</sub> O <sub>4</sub> cathode material for aqueous rechargeable lithium battery by LaF <sub>3</sub> coating. <i>Journal of Alloys and Compounds</i> , 2016, 654, 384-391.	5.5	84
18	Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C nanofibers composite as a high performance cathode material for lithium-ion battery. <i>Journal of Power Sources</i> , 2013, 234, 197-200.	7.8	76

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19	Electrochemical performance of electrospun LiFePO <sub>4</sub> /C submicrofibers composite cathode material for lithium ion batteries. <i>Electrochimica Acta</i> , 2012, 78, 40-48.	5.2	31
20	Electrochemical performance of LaF <sub>3</sub> -coated LiMn <sub>2</sub> O <sub>4</sub> cathode materials for lithium ion batteries. <i>Electrochimica Acta</i> , 2012, 83, 65-72.	5.2	59
21	Electrochemical performance of LiVPO <sub>4</sub> F/C composite cathode prepared through amorphous vanadium phosphorus oxide intermediate. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 1211-1217.	2.5	18
22	Electrochemical performance of Li <sub>3</sub> â <sup>x</sup> NaxV <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C composite cathode materials for lithium ion batteries. <i>Journal of Power Sources</i> , 2012, 201, 267-273.	7.8	98
23	Effects of complexants on [Ni <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> ]CO <sub>3</sub> morphology and electrochemical performance of LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> . <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 481-490.	2.5	32
24	Electrochemical behavior of spherical LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> as cathode material for aqueous rechargeable lithium batteries. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 491-497.	2.5	27
25	Influence of pretreatment process on structure, morphology and electrochemical properties of Li[Ni <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> ]O <sub>2</sub> cathode material. <i>Transactions of Nonferrous Metals Society of China</i> , 2011, 21, 1995-2001.	4.2	4
26	Study of a novel porous gel polymer electrolyte based on TPU/PVdF by electrospinning technique. <i>Solid State Ionics</i> , 2011, 203, 42-46.	2.7	32
27	Electrochemical characterization of a LiV <sub>3</sub> O <sub>8</sub> â <sup>polypyrrole</sup> composite as a cathode material for lithium ion batteries. <i>Materials Chemistry and Physics</i> , 2011, 127, 151-155.	4.0	36
28	Preparation and performances of carbon aerogel microspheres for the application of supercapacitor. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 643-648.	2.5	57
29	Electrochemical performance of LiFePO <sub>4</sub> /(C+Fe <sub>2</sub> P) composite cathode material synthesized by sol-gel method. <i>Central South University</i> , 2011, 18, 978-984.	0.5	7
30	Studies on preparation and properties of the multi-walled carbon nanotubes (MWNTs)/epoxy nanocomposites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 5759-5763.	5.6	14
31	Performance of supported Auâ <sup>Co</sup> alloy as the anode catalyst of direct borohydride-hydrogen peroxide fuel cell. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 8136-8142.	7.1	74
32	Effects of Na content on structure and electrochemical performances of Na <sub>x</sub> MnO <sub>2</sub> +Î <sup>+</sup> cathode material. <i>Transactions of Nonferrous Metals Society of China</i> , 2010, 20, 1892-1898.	4.2	16
33	Effects of MoS <sub>2</sub> doping on the electrochemical performance of FeF <sub>3</sub> cathode materials for lithium-ion batteries. <i>Materials Letters</i> , 2009, 63, 1788-1790.	2.6	66
34	Investigation of carbon-supported Au hollow nanospheres as electrocatalyst for electrooxidation of sodium borohydride. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 3360-3366.	7.1	55
35	Structure and electrochemical performance of FeF <sub>3</sub> /V <sub>2</sub> O <sub>5</sub> composite cathode material for lithium-ion battery. <i>Journal of Alloys and Compounds</i> , 2009, 486, 93-96.	5.5	72
36	Polarization Characteristic of Iron Anode in Concentrated NaOH Solution. <i>Acta Physico-chimica Sinica</i> , 2007, 23, 1525-1530.	0.6	11

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37	A novel PEO-based composite polymer electrolyte with absorptive glass mat for Li-ion batteries. <i>Electrochimica Acta</i> , 2007, 52, 6638-6643.	5.2	58
38	Application of a novel gelled-electrolyte in valve-regulated lead-acid batteries with tubular positive plates. <i>Journal of Applied Electrochemistry</i> , 2007, 37, 1163-1169.	2.9	8
39	Electrochemical performance of the carbon coated $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ cathode material synthesized by a sol-gel method. <i>Electrochimica Acta</i> , 2007, 52, 5251-5257.	5.2	121
40	Investigation and application of polysiloxane-based gel electrolyte in valve-regulated lead-acid battery. <i>Journal of Power Sources</i> , 2007, 168, 49-57.	7.8	31
41	The effects of ultrasound on the direct electrosynthesis of solid $\text{K}_2\text{FeO}_4$ and the anodic behaviors of Fe in 14M KOH solution. <i>Journal of Solid State Electrochemistry</i> , 2006, 11, 413-420.	2.5	12