

Ruisong Guo

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,882
citations

279487

23
h-index

264894

42
g-index

60
all docs

60
docs citations

60
times ranked

2570
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemisorption of polysulfides by keto groups modified Li ₄ Ti ₅ O ₁₂ nanofibers with 3D interwoven network structure for LSBs. <i>Chemical Engineering Journal</i> , 2022, 429, 132202.	6.6	5
2	Bifunctional tin modified SnO ₂ nanospheres embedded biomass-derived carbon network for polysulfides adsorption-conversion in lithium-sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2022, 895, 162578.	2.8	6
3	LaPO ₄ coating on alumina-based fiber: Strength retention of fiber and improvement of interfacial performances. <i>Ceramics International</i> , 2022, 48, 7836-7849.	2.3	2
4	A review of the research progress on the interface between oxide fiber and oxide ceramic matrix. <i>Ceramics International</i> , 2021, 47, 5896-5908.	2.3	20
5	Dense ceramics with complex shape fabricated by 3D printing: A review. <i>Journal of Advanced Ceramics</i> , 2021, 10, 195-218.	8.9	113
6	CoS ₂ Nanospheres Anchored on 3D N-Doped Carbon Skeleton Derived from Bacterial Cellulose for Lithium-Sulfur Batteries. <i>Journal of the Electrochemical Society</i> , 2021, 168, 020512.	1.3	8
7	Significant Constraints of SnO ₂ , SnS ₂ , and SnS ₂ /SnO ₂ Heterostructures on Mitigating Polysulfide Shuttle Effects in Lithium-Sulfur Batteries. <i>ChemElectroChem</i> , 2021, 8, 1558-1570.	1.7	8
8	Uniform Fe ₂ O ₃ nanoparticles with narrow gap immobilized on CNTs through N-doped carbon as high-performance lithium-ion batteries anode. <i>Ceramics International</i> , 2021, 47, 15743-15749.	2.3	18
9	Facile Synthesis of Flock-Like V ₂ O ₃ /C with Improved Electrochemical Performance as an Anode Material for Li-ion Batteries. <i>Energy Technology</i> , 2020, 8, 1900986.	1.8	11
10	Improved lithium and sodium ion storage properties of WS ₂ anode with three-layer shell structure. <i>Electrochimica Acta</i> , 2020, 331, 135424.	2.6	26
11	Enhanced electrochemical performance of a promising anode material FeVO ₄ by tungsten doping. <i>Ceramics International</i> , 2020, 46, 21360-21366.	2.3	9
12	Research on the influence of wollastonite fibers on the stability of foam extinguishment agent and its effect on the extinguishing efficiency of pool fire. <i>Fire and Materials</i> , 2020, 44, 1053-1063.	0.9	5
13	Fast and all-weather cleanup of viscous crude-oil spills with Ti ₃ C ₂ T _X MXene wrapped sponge. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20162-20167.	5.2	77
14	Hierarchical porous Li _x V ₂ O ₄ /C anode assembled with nanoflake for high-performance lithium-ion battery. <i>Journal of Materials Science</i> , 2020, 55, 5522-5533.	1.7	4
15	Conductive Polypyrrole Coated Hollow NiCo ₂ O ₄ Microspheres as Anode Material with Improved Pseudocapacitive Contribution and Enhanced Conductivity for Lithium-ion Batteries. <i>ChemElectroChem</i> , 2019, 6, 690-699.	1.7	34
16	Application of Polyaniline for Li-ion Batteries, Lithium-Sulfur Batteries, and Supercapacitors. <i>ChemSusChem</i> , 2019, 12, 1591-1611.	3.6	101
17	A novel "plane-line-plane" nanostructure of the sandwich-like CNTs@SnO ₂ /Ti ₃ C ₂ T _x 3D nanocomposite as a promising anode for lithium-ion batteries. <i>Ceramics International</i> , 2018, 44, 11757-11764.	2.3	8
18	MoS ₂ intercalated p-Ti ₃ C ₂ anode materials with sandwich-like three dimensional conductive networks for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2018, 735, 1262-1270.	2.8	78

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19	Amorphous MnO ₂ -modified Li ₃ V ₂ (PO ₄) ₃ /C as high-performance cathode for LIBs: the double effects of surface coating. <i>Journal of Materials Science</i> , 2018, 53, 2709-2724.	1.7	6
20	Embedded binary functional materials/cellulose-based paper as freestanding anode for lithium ion batteries. <i>Electrochimica Acta</i> , 2018, 260, 1-10.	2.6	13
21	Applications of Pyrolytic Polyaniline for Renewable Energy Storage. <i>ChemElectroChem</i> , 2018, 5, 3597-3606.	1.7	8
22	Innovative N-doped graphene-coated WS ₂ nanosheets on graphene hollow spheres anode with double-sided protective structure for Li-Ion storage. <i>Electrochimica Acta</i> , 2018, 290, 128-141.	2.6	34
23	Reduced graphene oxide bridged, TiO ₂ modified and Mn ₃ O ₄ intercalated Ti ₃ C ₂ T _x sandwich-like nanocomposite as a high performance anode for enhanced lithium storage applications. <i>Journal of Alloys and Compounds</i> , 2018, 762, 643-652.	2.8	15
24	Enhanced low temperature electrochemical properties of Li ₃ V ₂ (PO ₄) ₃ /C modified by a mixed conductive network of Ti ₃ SiC ₂ and C. <i>Ceramics International</i> , 2017, 43, 2791-2800.	2.3	15
25	Fabrication of 3D quasi-hierarchical Z-scheme RGO-Fe ₂ O ₃ -MoS ₂ nanoheterostructures for highly enhanced visible-light-driven photocatalytic degradation. <i>Applied Surface Science</i> , 2017, 420, 669-680.	3.1	68
26	Sandwich nanostructured LiMnPO ₄ /C as enhanced cathode materials for lithium-ion batteries. <i>Journal of Materials Science</i> , 2017, 52, 3597-3612.	1.7	11
27	The low temperature electrochemical performances of LiFePO ₄ /C/graphene nanofiber with 3D-bridge network structure. <i>Electrochimica Acta</i> , 2016, 217, 62-72.	2.6	27
28	Ti ₃ SiC ₂ modified Li ₃ V ₂ (PO ₄) ₃ /C cathode materials with simultaneous improvement of electronic and ionic conductivities for lithium ion batteries. <i>Journal of Power Sources</i> , 2016, 306, 779-790.	4.0	17
29	Microstructures and Properties of 3Yâ€”ZrO ₂ /Ba _{0.5} Sr _{0.5} Fe ₁₂ O ₁₉ Composites Prepared by Two Methods. <i>International Journal of Applied Ceramic Technology</i> , 2016, 13, 316-323.	1.1	2
30	Preparation and characterization of PrBaCo _{1.9} Ni _{0.1} O _{5+â€”} Ce _{0.8} Sm _{0.2} O _{1.9} composite cathodes for intermediate temperature solid oxide fuel cells. <i>Solid State Ionics</i> , 2015, 283, 10-15.	1.3	6
31	Surface controlled calcium phosphate formation on three-dimensional bacterial cellulose-based nanofibers. <i>Materials Science and Engineering C</i> , 2015, 49, 526-533.	3.8	24
32	Synthesis and low temperature electrochemical properties of CeO ₂ and C co-modified Li ₃ V ₂ (PO ₄) ₃ cathode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , 2015, 174, 1131-1140.	2.6	25
33	Anchoring Fe ₃ O ₄ nanoparticles on three-dimensional carbon nanofibers toward flexible high-performance anodes for lithium-ion batteries. <i>Journal of Power Sources</i> , 2015, 294, 414-419.	4.0	114
34	Enhanced low temperature electrochemical performances of LiFePO ₄ /C by surface modification with Ti ₃ SiC ₂ . <i>Journal of Power Sources</i> , 2015, 288, 136-144.	4.0	44
35	Thermal and electrochemical properties of layered perovskite PrBaCo _{2-â€”} xMnxO _{5+â€”} (x=0.1, 0.2 and 0.3) cathode materials for intermediate temperature solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 12457-12465.	3.8	29
36	Preparation and properties of a novel porous poly(lactic acid) composite reinforced with bacterial cellulose nanowhiskers. <i>Fibers and Polymers</i> , 2014, 15, 2591-2596.	1.1	17

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37	One-Step In Situ Biosynthesis of Graphene Oxide-Bacterial Cellulose Nanocomposite Hydrogels. <i>Macromolecular Rapid Communications</i> , 2014, 35, 1706-1711.	2.0	110
38	Synthesis and electrochemical properties of Zn-doped, carbon coated lithium vanadium phosphate cathode materials for lithium-ion batteries. <i>Journal of Power Sources</i> , 2014, 269, 15-23.	4.0	37
39	Preparation and Electrochemical Properties of Ceria Coated $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ Cathode Materials for Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2014, 161, A2153-A2159.	1.3	7
40	Synthesis and characterization of $\text{PrBaCo}_2 \cdot x \text{Ni} \cdot \text{O}_5 + \hat{\Gamma}$ cathodes for intermediate temperature SOFCs. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 2771-2779.	1.2	14
41	Synthesis and characterization of $\text{PrBa}_{0.5} \text{Sr}_{0.5} \text{Co}_{2-x} \text{Ni}_x \text{O}_{5+\hat{\Gamma}}$ ($x = 0.1, 0.2$ and 0.3) cathodes for intermediate temperature SOFCs. <i>Ceramics International</i> , 2014, 40, 16393-16398.	2.3	25
42	Synthesis and electrochemical properties of $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ cathode material with an improved sol-gel method by changing pH value. <i>Electrochimica Acta</i> , 2013, 113, 497-504.	2.6	23
43	Enhanced electrochemical performance of LiFePO_4/C cathode material modified with highly conductive TiN. <i>Journal of Alloys and Compounds</i> , 2013, 563, 33-38.	2.8	25
44	Ti ₃ SiC ₂ Modified LiFePO_4/C Cathode Materials with Improved Electrochemical Performance. <i>Journal of the Electrochemical Society</i> , 2012, 159, A2038-A2042.	1.3	18
45	Fluorescent Functionalized Mesoporous Silica for Radioactive Material Extraction. <i>Separation Science and Technology</i> , 2012, 47, 1507-1513.	1.3	11
46	Preparation and electrochemical properties of $\text{SrCe}_{0.4} \text{Zr}_{0.4} \text{Yb}_{0.2} \text{O}_{2.9}$ electrolyte. <i>Bulletin of Materials Science</i> , 2012, 35, 957-960.	0.8	1
47	Effects of Sc doping on electrical conductivity of BaZrO_3 protonic conductors. <i>Rare Metals</i> , 2012, 31, 71-74.	3.6	4
48	$\text{La}_{0.6} \text{Sr}_{0.4} \text{CoO}_3$ modified LiFePO_4/C composite cathodes with improved electrochemical performances. <i>Electrochimica Acta</i> , 2012, 67, 152-158.	2.6	30
49	Fabrication and properties of $\text{Ba}(\text{Zr}_{1-x}\text{Ce}_x)_{0.9}\text{Y}_{0.1}\text{O}_{2.95}/\text{NaCl}$ composite electrolyte materials. <i>Journal of Alloys and Compounds</i> , 2011, 509, 8894-8900.	2.8	8
50	Improved electrochemical performance of $\text{La}_{0.7} \text{Sr}_{0.3} \text{MnO}_3$ and carbon co-coated LiFePO_4 synthesized by freeze-drying process. <i>Electrochimica Acta</i> , 2010, 55, 922-926.	2.6	204
51	High rate electrochemical performances of nanosized ZnO and carbon co-coated LiFePO_4 cathode. <i>Materials Research Bulletin</i> , 2010, 45, 844-849.	2.7	74
52	Yttrium-Doped Barium Zirconate Powders Synthesized by the Gel-Casting Method. <i>Journal of the American Ceramic Society</i> , 2010, 93, 1572-1575.	1.9	7
53	Enhanced electrochemical properties of LiFePO_4 cathode material by CuO and carbon co-coating. <i>Journal of Alloys and Compounds</i> , 2010, 490, 236-240.	2.8	94
54	Structural and electrochemical properties of yttrium-doped barium zirconate by addition of CuO. <i>Journal of Alloys and Compounds</i> , 2010, 493, 288-293.	2.8	101

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55	High rate performance of LiFePO ₄ cathode materials co-doped with C and Ti ⁴⁺ by microwave synthesis. Bulletin of Materials Science, 2009, 32, 579-582.	0.8	8
56	BaZr _{0.9} Y _{0.1} O _{2.95} /Na ₂ SO ₄ composite with enhanced protonic conductivity. Journal Wuhan University of Technology, Materials Science Edition, 2009, 24, 269-272.	0.4	6
57	Electrochemical performance of C-La ³⁺ codoped LiFePO ₄ synthesized by microwave heating. Rare Metals, 2009, 28, 127-131.	3.6	5
58	Influences of ZnO on the Properties of SrZr _{0.9} Y _{0.1} O _{2.95} Protonic Conductor. Journal of the American Ceramic Society, 2008, 91, 1534-1538.	1.9	16
59	Effects of Al ₂ O ₃ and/or CaO on properties of yttria stabilized zirconia electrolyte doped with multi-elements. Materials & Design, 2007, 28, 1399-1403.	5.1	15
60	Synthesis of NiO-doped ZrO ₂ powders for solid oxide fuel cells. Ceramics International, 2003, 29, 883-886.	2.3	31