Ruisong Guo

List of Publications by Year
in descending order

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Version: 2024-02-01

		279798	265206
60	1,882	23	42
papers	citations	h-index	g-index

60	60	60	2570
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chemisorption of polysulfides by keto groups modified Li4Ti5O12 nanofibers with 3D interwove network structure for LSBs. Chemical Engineering Journal, 2022, 429, 132202.	12.7	5
2	Bifunctional tin modified SnO2 nanospheres embedded biomass-derived carbon network for polysulfides adsorption-conversion in lithium-sulfur batteries. Journal of Alloys and Compounds, 2022, 895, 162578.	5.5	6
3	LaPO4 coating on alumina-based fiber: Strength retention of fiber and improvement of interfacial performances. Ceramics International, 2022, 48, 7836-7849.	4.8	2
4	A review of the research progress on the interface between oxide fiber and oxide ceramic matrix. Ceramics International, 2021, 47, 5896-5908.	4.8	20
5	Dense ceramics with complex shape fabricated by 3D printing: A review. Journal of Advanced Ceramics, 2021, 10, 195-218.	17.4	113
6	CoS₂ Nanospheres Anchored on 3D N-Doped Carbon Skeleton Derived from Bacterial Cellulose for Lithium-Sulfur Batteries. Journal of the Electrochemical Society, 2021, 168, 020512.	2.9	8
7	Significant Constraints of SnO₂, SnS₂, and SnS₂/SnO₂ Heterostructures on Mitigating Polysulfide Shuttle Effects in Lithiumâ€Sulfur Batteries. ChemElectroChem, 2021, 8, 1558-1570.	3.4	8
8	Uniform Î±-Fe2O3 nanoparticles with narrow gap immobilized on CNTs through N-doped carbon as high-performance lithium-ion batteries anode. Ceramics International, 2021, 47, 15743-15749.	4.8	18
9	Facile Synthesis of Flockâ€Like V₂O₃/C with Improved Electrochemical Performance as an Anode Material for Liâ€Ion Batteries. Energy Technology, 2020, 8, 1900986.	3.8	11
10	Improved lithium and sodium ion storage properties of WS2 anode with three-layer shell structure. Electrochimica Acta, 2020, 331, 135424.	5.2	26
11	Enhanced electrochemical performance of a promising anode material FeVO4 by tungsten doping. Ceramics International, 2020, 46, 21360-21366.	4.8	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. Fire and Materials, 2020, 44, 1053-1063.	2.0	5
13	Fast and all-weather cleanup of viscous crude-oil spills with Ti₃C₂T_X MXene wrapped sponge. Journal of Materials Chemistry A, 2020, 8, 20162-20167.	10.3	77
14	Hierarchical porous LixV2O4/C anode assembled with nanoflake for high-performance lithium-ion battery. Journal of Materials Science, 2020, 55, 5522-5533.	3.7	4
15	Conductive Polypyrrole Coated Hollow NiCo₂O₄ Microspheres as Anode Material with Improved Pseudocapacitive Contribution and Enhanced Conductivity for Lithiumâ€Ion Batteries. ChemElectroChem, 2019, 6, 690-699.	3.4	34
16	Application of Polyaniline for Liâ€Ion Batteries, Lithiumâ€“Sulfur Batteries, and Supercapacitors. ChemSusChem, 2019, 12, 1591-1611.	6.8	101
17	A novel â€œplane-line-planeâ€•nanostructure of the sandwich-like CNTs@SnO2/Ti3C2Tx 3D nanocomposite as a promising anode for lithium-ion batteries. Ceramics International, 2018, 44, 11757-11764.	4.8	8
18	MoS2 intercalated p-Ti3C2 anode materials with sandwich-like three dimensional conductive networks for lithium-ion batteries. Journal of Alloys and Compounds, 2018, 735, 1262-1270.	5.5	78

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19	Amorphous MnO2-modified Li3V2(PO4)3/C as high-performance cathode for LIBs: the double effects of surface coating. Journal of Materials Science, 2018, 53, 2709-2724.	3.7	6
20	Embedded binary functional materials/cellulose-based paper as freestanding anode for lithium ion batteries. Electrochimica Acta, 2018, 260, 1-10.	5.2	13
21	Applications of Pyrolytic Polyaniline for Renewable Energy Storage. ChemElectroChem, 2018, 5, 3597-3606.	3.4	8
22	Innovative N-doped graphene-coated WS2 nanosheets on graphene hollow spheres anode with double-sided protective structure for Li-Ion storage. Electrochimica Acta, 2018, 290, 128-141.	5.2	34
23	Reduced graphene oxide bridged, TiO2 modified and Mn3O4 intercalated Ti3C2Tx sandwich-like nanocomposite as a high performance anode for enhanced lithium storage applications. Journal of Alloys and Compounds, 2018, 762, 643-652.	5.5	15
24	Enhanced low temperature electrochemical properties of Li3V2(PO4)3/C modified by a mixed conductive network of Ti3SiC2 and C. Ceramics International, 2017, 43, 2791-2800.	4.8	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. Applied Surface Science, 2017, 420, 669-680.	6.1	68
26	Sandwich nanostructured LiMnPO4/C as enhanced cathode materials for lithium-ion batteries. Journal of Materials Science, 2017, 52, 3597-3612.	3.7	11
27	The low temperature electrochemical performances of LiFePO 4 /C/graphene nanofiber with 3D-bridge network structure. Electrochimica Acta, 2016, 217, 62-72.	5.2	27
28	Ti3SiC2 modified Li3V2(PO4)3/C cathode materials with simultaneous improvement of electronic and ionic conductivities for lithium ion batteries. Journal of Power Sources, 2016, 306, 779-790.	7.8	17
29	Microstructures and Properties of 3Yâ€TZP/Ba‹sub›0.5‹/sub›Sr‹sub›0.5‹/sub›Fe‹sub›12‹/sub›O‹sub›19‹/sub› Composites Prepared by Two Methods. International Journal of Applied Ceramic Technology, 2016, 13, 316-323.	2.1	2
30	Preparation and characterization of PrBaCo1.9Ni0.1O5+â€“Ce0.8Sm0.2O1.9 composite cathodes for intermediate temperature solid oxide fuel cells. Solid State Ionics, 2015, 283, 10-15.	2.7	6
31	Surface controlled calcium phosphate formation on three-dimensional bacterial cellulose-based nanofibers. Materials Science and Engineering C, 2015, 49, 526-533.	7.3	24
32	Synthesis and low temperature electrochemical properties of CeO2 and C co-modified Li3V2(PO4)3 cathode materials for lithium-ion batteries. Electrochimica Acta, 2015, 174, 1131-1140.	5.2	25
33	Anchoring Fe3O4 nanoparticles on three-dimensional carbon nanofibers toward flexible high-performance anodes for lithium-ion batteries. Journal of Power Sources, 2015, 294, 414-419.	7.8	114
34	Enhanced low temperature electrochemical performances of LiFePO 4 /C by surface modification with Ti 3 SiC 2. Journal of Power Sources, 2015, 288, 136-144.	7.8	44
35	Thermal and electrochemical properties of layered perovskite PrBaCo2â^'xMnxO5+Î´ (xÂ=Â0.1, 0.2 and 0.3) cathode materials for intermediate temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2015, 40, 12457-12465.	7.1	29
36	Preparation and properties of a novel porous poly(lactic acid) composite reinforced with bacterial cellulose nanowhiskers. Fibers and Polymers, 2014, 15, 2591-2596.	2.1	17

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37	Oneâ€Step In Situ Biosynthesis of Graphene Oxideâ€“Bacterial Cellulose Nanocomposite Hydrogels. Macromolecular Rapid Communications, 2014, 35, 1706-1711.	3.9	110
38	Synthesis and electrochemical properties of Zn-doped, carbon coated lithium vanadium phosphate cathode materials for lithium-ion batteries. Journal of Power Sources, 2014, 269, 15-23.	7.8	37
39	Preparation and Electrochemical Properties of Ceria Coated Li₃V₂(PO₄)₃/C Cathode Materials for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2014, 161, A2153-A2159.	2.9	7
40	Synthesis and characterization of PrBaCo2 â^' x Ni x O5 + Î´ cathodes for intermediate temperature SOFCs. Journal of Solid State Electrochemistry, 2014, 18, 2771-2779.	2.5	14
41	Synthesis and characterization of PrBa 0.5 Sr 0.5 Co 2â^'x Ni x O 5+Î´ (x =0.1, 0.2 and 0.3) cathodes for intermediate temperature SOFCs. Ceramics International, 2014, 40, 16393-16398.	4.8	25
42	Synthesis and electrochemical properties of Li3V2(PO4)3/C cathode material with an improved solâ€“gel method by changing pH value. Electrochimica Acta, 2013, 113, 497-504.	5.2	23
43	Enhanced electrochemical performance of LiFePO4/C cathode material modified with highly conductive TiN. Journal of Alloys and Compounds, 2013, 563, 33-38.	5.5	25
44	Ti3SiC2Modified LiFePO4/C Cathode Materials with Improved Electrochemical Performance. Journal of the Electrochemical Society, 2012, 159, A2038-A2042.	2.9	18
45	Fluorescent Functionalized Mesoporous Silica for Radioactive Material Extraction. Separation Science and Technology, 2012, 47, 1507-1513.	2.5	11
46	Preparation and electrochemical properties of SrCe 0Â·4 Zr 0Â·4 Yb 0Â·2 O 2Â·9 electrolyte. Bulletin of Materials Science, 2012, 35, 957-960.	1.7	1
47	Effects of Sc doping on electrical conductivity of BaZrO3 protonic conductors. Rare Metals, 2012, 31, 71-74.	7.1	4
48	La0.6Sr0.4CoO3â^' modified LiFePO4/C composite cathodes with improved electrochemical performances. Electrochimica Acta, 2012, 67, 152-158.	5.2	30
49	Fabrication and properties of Ba(Zr1â^'xCex)0.9Y0.1O2.95/NaCl composite electrolyte materials. Journal of Alloys and Compounds, 2011, 509, 8894-8900.	5.5	8
50	Improved electrochemical performance of La0.7Sr0.3MnO3 and carbon co-coated LiFePO4 synthesized by freeze-drying process. Electrochimica Acta, 2010, 55, 922-926.	5.2	204
51	High rate electrochemical performances of nanosized ZnO and carbon co-coated LiFePO4 cathode. Materials Research Bulletin, 2010, 45, 844-849.	5.2	74
52	Yttriumâ€Doped Barium Zirconate Powders Synthesized by the Gelâ€Casting Method. Journal of the American Ceramic Society, 2010, 93, 1572-1575.	3.8	7
53	Enhanced electrochemical properties of LiFePO4 cathode material by CuO and carbon co-coating. Journal of Alloys and Compounds, 2010, 490, 236-240.	5.5	94
54	Structural and electrochemical properties of yttrium-doped barium zirconate by addition of CuO. Journal of Alloys and Compounds, 2010, 493, 288-293.	5.5	101

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55	High rate performance of LiFePO4 cathode materials co-doped with C and Ti4+ by microwave synthesis. Bulletin of Materials Science, 2009, 32, 579-582.	1.7	8
56	BaZr0.9Y0.1O2.95/Na2SO4 composite with enhanced protonic conductivity. Journal Wuhan University of Technology, Materials Science Edition, 2009, 24, 269-272.	1.0	6
57	Electrochemical performance of C-La3+ codoped LiFePO4 synthesized by microwave heating. Rare Metals, 2009, 28, 127-131.	7.1	5
58	Influences of ZnO on the Properties of SrZr0.9Y0.1O2.95Protonic Conductor. Journal of the American Ceramic Society, 2008, 91, 1534-1538.	3.8	16
59	Effects of Al2O3 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 NiOâ€“ZrO2 powders for solid oxide fuel cells. Ceramics International, 2003, 29, 883-886.	4.8	31