

Yan-Rong Zhu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33
papers

1,711
citations

23
h-index

34
g-index

34
ext. papers

1,913
ext. citations

5.9
avg. IF

4.97
L-index

#	Paper	IF	Citations
33	Promoting the Li storage performances of Li ₂ ZnTi ₃ O ₈ @Na ₂ WO ₄ composite anode for Li-ion battery. <i>Ceramics International</i> , 2021 , 47, 19455-19463	5.1	3
32	Fabrication of NiO-NiMoO ₄ /PPy microspheres as high-performance anode material for lithium-ion battery. <i>Ionics</i> , 2020 , 26, 3823-3830	2.7	3
31	Co ₃ O ₄ @NiCo ₂ O ₄ microsphere as electrode materials for high-performance supercapacitors. <i>Solid State Ionics</i> , 2019 , 336, 110-119	3.3	28
30	Interconnected Co ₃ O ₄ @CoNiO ₂ @PPy nanorod and nanosheet composite grown on nickel foam as binder-free electrodes for Li-ion batteries. <i>Solid State Ionics</i> , 2019 , 329, 131-139	3.3	17
29	Recent advances in the research of MLi ₂ Ti ₆ O ₁₄ (M = 2Na, Sr, Ba, Pb) anode materials for Li-ion batteries. <i>Journal of Power Sources</i> , 2018 , 399, 26-41	8.9	112
28	Porous sphere-like LiNi _{0.5} Mn _{1.5} O ₄ -CeO ₂ composite with high cycling stability as cathode material for lithium-ion battery. <i>Journal of Alloys and Compounds</i> , 2017 , 703, 103-113	5.7	36
27	Structure and electrochemical performance of BaLi _{2-x} Na _x Ti ₆ O ₁₄ (0 ≤ x ≤ 2) as anode materials for lithium-ion battery. <i>Science China Materials</i> , 2017 , 60, 728-738	7.1	13
26	Enhanced electrochemical property of FePO ₄ -coated LiNi _{0.5} Mn _{1.5} O ₄ as cathode materials for Li-ion battery. <i>Science Bulletin</i> , 2017 , 62, 1004-1010	10.6	41
25	Robust Strategy for Crafting LiCrTiO@CeO Composites as High-Performance Anode Material for Lithium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23662-23671	9.5	23
24	Hollow and hierarchical Na ₂ Li ₂ Ti ₆ O ₁₄ microspheres with high electrochemical performance as anode material for lithium-ion battery. <i>Science China Materials</i> , 2017 , 60, 427-437	7.1	28
23	Recent progress in the electrolytes for improving the cycling stability of LiNi _{0.5} Mn _{1.5} O ₄ high-voltage cathode. <i>Ionics</i> , 2016 , 22, 1759-1774	2.7	37
22	Enhanced electrochemical performance of Li-rich low-Co Li _{1.2} Mn _{0.56} Ni _{0.16} Co _{0.08} Al _x O ₂ (0 ≤ x ≤ 0.08) as cathode materials. <i>Science China Materials</i> , 2016 , 59, 618-628	7.1	34
21	Improved Cycling Stability and Fast Charge-Discharge Performance of Cobalt-Free Lithium-Rich Oxides by Magnesium-Doping. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 32349-32359	9.5	69
20	Li ₄ Ti ₅ O ₁₂ @Al ₂ O ₃ Composite as High Performance Anode Material for Lithium-Ion Battery. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 1994-2003	8.3	37
19	Key strategies for enhancing the cycling stability and rate capacity of LiNi _{0.5} Mn _{1.5} O ₄ as high-voltage cathode materials for high power lithium-ion batteries. <i>Journal of Power Sources</i> , 2016 , 316, 85-105	8.9	224
18	Li ₅ Cr ₇ Ti ₆ O ₂₅ as a novel negative electrode material for lithium-ion batteries. <i>Chemical Communications</i> , 2015 , 51, 14050-3	5.8	50
17	Thermodynamic stability and transport properties of tavorite LiFeSO ₄ F as a cathode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 19728-19737	13	12

16	Lithium-Ion Insertion Kinetics of Na-Doped LiFePO ₄ as Cathode Materials for Lithium-Ion Batteries. <i>Metallurgical and Materials Transactions E</i> , 2015 , 2, 33-38		5
15	Enhanced fast charge/discharge performance of Li ₄ Ti ₅ O ₁₂ as anode materials for lithium-ion batteries by Ce and CeO ₂ modification using a facile method. <i>RSC Advances</i> , 2015 , 5, 37367-37376	3.7	28
14	Rapid Lithiation and Delithiation Property of V-Doped Li ₂ ZnTi ₃ O ₈ as Anode Material for Lithium-Ion Battery. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 3062-3069	8.3	51
13	Improved electrochemical performance of Ag-modified Li ₄ Ti ₅ O ₁₂ anode material in a broad voltage window. <i>Journal of Chemical Sciences</i> , 2014 , 126, 17-23	1.8	12
12	Synthesis of LiNi _{0.5} Mn _{1.5} O ₄ cathode with excellent fast charge-discharge performance for lithium-ion battery. <i>Electrochimica Acta</i> , 2014 , 147, 250-256	6.7	28
11	Enhanced rate performance of molybdenum-doped spinel LiNi _{0.5} Mn _{1.5} O ₄ cathode materials for lithium ion battery. <i>Journal of Power Sources</i> , 2014 , 247, 778-785	8.9	68
10	Sub-micrometric Li _{4-x} NaxTi ₅ O ₁₂ (0 ≤ x ≤ 0.2) spinel as anode material exhibiting high rate capability. <i>Journal of Power Sources</i> , 2014 , 246, 505-511	8.9	92
9	Structural and thermodynamic stability of Li ₄ Ti ₅ O ₁₂ anode material for lithium-ion battery. <i>Journal of Power Sources</i> , 2013 , 222, 448-454	8.9	166
8	High rate micron-sized niobium-doped LiMn _{1.5} Ni _{0.5} O ₄ as ultra high power positive-electrode material for lithium-ion batteries. <i>Journal of Power Sources</i> , 2012 , 211, 59-65	8.9	107
7	Recent developments in the doping and surface modification of LiFePO ₄ as cathode material for power lithium ion battery. <i>Ionics</i> , 2012 , 18, 529-539	2.7	60
6	Kinetic study on LiFePO ₄ -positive electrode material of lithium-ion battery. <i>Ionics</i> , 2011 , 17, 437-441	2.7	35
5	Recent developments in the doping of LiNi _{0.5} Mn _{1.5} O ₄ cathode material for 5 V lithium-ion batteries. <i>Ionics</i> , 2011 , 17, 383-389	2.7	88
4	Electrochemical intercalation kinetics of lithium ions for spinel LiNi _{0.5} Mn _{1.5} O ₄ cathode material. <i>Russian Journal of Electrochemistry</i> , 2010 , 46, 227-232	1.2	13
3	Comparison of structure and electrochemical properties for 5 V LiNi _{0.5} Mn _{1.5} O ₄ and LiNi _{0.4} Cr _{0.2} Mn _{1.4} O ₄ cathode materials. <i>Journal of Solid State Electrochemistry</i> , 2009 , 13, 913-919	2.6	43
2	Physicochemical properties of LiAl _x Mn _{2-x} O ₄ and LiAl _{0.05} Mn _{1.95} O ₄ (y = F) cathode material by the citric acid-assisted sol-gel method. <i>Ionics</i> , 2009 , 15, 177-182	2.7	8
1	A review of recent developments in the surface modification of LiMn ₂ O ₄ as cathode material of power lithium-ion battery. <i>Ionics</i> , 2009 , 15, 779-784	2.7	138