Yan-Rong Zhu

List of Publications by Citations

33	1,711	23	34
papers	citations	h-index	g-index

34	1,913	5.9	4.97
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
33	Key strategies for enhancing the cycling stability and rate capacity of LiNi0.5Mn1.5O4 as high-voltage cathode materials for high power lithium-ion batteries. *Journal of Power Sources*, **2016**, 316, 85-105	8.9	224
32	Structural and thermodynamic stability of Li4Ti5O12 anode material for lithium-ion battery. *Journal of Power Sources*, **2013**, 222, 448-454	8.9	166
31	A review of recent developments in the surface modification of LiMn2O4 as cathode material of power lithium-ion battery. *Ionics*, **2009**, 15, 779-784	2.7	138
30	Recent advances in the research of MLi2Ti6O14 (M = 2Na, Sr, Ba, Pb) anode materials for Li-ion batteries. *Journal of Power Sources*, **2018**, 399, 26-41	8.9	112
29	High rate micron-sized niobium-doped LiMn1.5Ni0.5O4 as ultra high power positive-electrode material for lithium-ion batteries. *Journal of Power Sources*, **2012**, 211, 59-65	8.9	107
28	Sub-micrometric Li4−xNaxTi5O12 (0≤x≤0.2) spinel as anode material exhibiting high rate capability. *Journal of Power Sources*, **2014**, 246, 505-511	8.9	92
27	Recent developments in the doping of LiNi0.5Mn1.5O4 cathode material for 5 V lithium-ion batteries. *Ionics*, **2011**, 17, 383-389	2.7	88
26	Improved Cycling Stability and Fast Charge-Discharge Performance of Cobalt-Free Lithium-Rich Oxides by Magnesium-Doping. *ACS Applied Materials & Interfaces*, **2016**, 8, 32349-32359	9.5	69
25	Enhanced rate performance of molybdenum-doped spinel LiNi 0.5 Mn 1.5 O 4 cathode materials for lithium ion battery. *Journal of Power Sources*, **2014**, 247, 778-785	8.9	68
24	Recent developments in the doping and surface modification of LiFePO4 as cathode material for power lithium ion battery. *Ionics*, **2012**, 18, 529-539	2.7	60
23	Rapid Lithiation and Delithiation Property of V-Doped Li2ZnTi3O8 as Anode Material for Lithium-Ion Battery. *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 3062-3069	8.3	51
22	Li5Cr7Ti6O25 as a novel negative electrode material for lithium-ion batteries. *Chemical Communications*, **2015**, 51, 14050-3	5.8	50
21	Comparison of structure and electrochemical properties for 5 V LiNi0.5Mn1.5O4 and LiNi0.4Cr0.2Mn1.4O4 cathode materials. *Journal of Solid State Electrochemistry*, **2009**, 13, 913-919	2.6	43
20	Enhanced electrochemical property of FePO4-coated LiNi0.5Mn1.5O4 as cathode materials for Li-ion battery. *Science Bulletin*, **2017**, 62, 1004-1010	10.6	41
19	Recent progress in the electrolytes for improving the cycling stability of LiNi0.5Mn1.5O4 high-voltage cathode. *Ionics*, **2016**, 22, 1759-1774	2.7	37
18	Li4Ti5O12–LiAlO2 Composite as High Performance Anode Material for Lithium-Ion Battery. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 1994-2003	8.3	37
17	Porous sphere-like LiNi0.5Mn1.5O4-CeO2 composite with high cycling stability as cathode material for lithium-ion battery. *Journal of Alloys and Compounds*, **2017**, 703, 103-113	5.7	36

16	Kinetic study on LiFePO4-positive electrode material of lithium-ion battery. *Ionics*, **2011**, 17, 437-441	2.7	35
15	Enhanced electrochemical performance of Li-rich low-Co Li1.2Mn0.56Ni0.16Co0.08 Al x O2 (0 0.08) as cathode materials. *Science China Materials*, **2016**, 59, 618-628	7.1	34
14	Co3O4@NiCo2O4 microsphere as electrode materials for high-performance supercapacitors. *Solid State Ionics*, **2019**, 336, 110-119	3.3	28
13	Enhanced fast charge discharge performance of Li4Ti5O12 as anode materials for lithium-ion batteries by Ce and CeO2 modification using a facile method. *RSC Advances*, **2015**, 5, 37367-37376	3.7	28
12	Synthesis of LiNi0.5Mn1.5O4 cathode with excellent fast charge-discharge performance for lithium-ion battery. *Electrochimica Acta*, **2014**, 147, 250-256	6.7	28
11	Hollow and hierarchical Na2Li2Ti6O14 microspheres with high electrochemical performance as anode material for lithium-ion battery. *Science China Materials*, **2017**, 60, 427-437	7.1	28
10	Robust Strategy for Crafting LiCrTiO@CeO Composites as High-Performance Anode Material for Lithium-Ion Battery. *ACS Applied Materials & Interfaces*, **2017**, 9, 23662-23671	9.5	23
9	Interconnected Co3O4@CoNiO2@PPy nanorod and nanosheet composite grown on nickel foam as binder-free electrodes for Li-ion batteries. *Solid State Ionics*, **2019**, 329, 131-139	3.3	17
8	Structure and electrochemical performance of BaLi2 Na x Ti6O14 (0 2) as anode materials for lithium-ion battery. *Science China Materials*, **2017**, 60, 728-738	7.1	13
7	Electrochemical intercalation kinetics of lithium ions for spinel LiNi0.5Mn1.5O4 cathode material. *Russian Journal of Electrochemistry*, **2010**, 46, 227-232	1.2	13
6	Thermodynamic stability and transport properties of tavorite LiFeSO4F as a cathode material for lithium-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 19728-19737	13	12
5	Improved electrochemical performance of Ag-modified Li4Ti5O12 anode material in a broad voltage window. *Journal of Chemical Sciences*, **2014**, 126, 17-23	1.8	12
4	Physicochemical properties of LiAl x Mn2 x O4 and LiAl0.05Mn1.95O4 y F y cathode material by the citric acid-assisted sol gel method. *Ionics*, **2009**, 15, 177-182	2.7	8
3	Lithium-Ion Insertion Kinetics of Na-Doped LiFePO4 as Cathode Materials for Lithium-Ion Batteries. *Metallurgical and Materials Transactions E*, **2015**, 2, 33-38		5
2	Fabrication of NiO-NiMoO4/PPy microspheres as high-performance anode material for lithium-ion battery. *Ionics*, **2020**, 26, 3823-3830	2.7	3
1	Promoting the Li storage performances of Li2ZnTi3O8@Na2WO4 composite anode for Li-ion battery. *Ceramics International*, **2021**, 47, 19455-19463	5.1	3