Lufeng Yang

List of Publications by Year
in descending order

30 papers	2,138 citations	361413 20 h-index	454955 30 g-index
30 all docs	30 docs citations	30 times ranked	3497 citing authors

#	Article	IF	Citations
1	Anomalous Thermal Decomposition Behavior of Polycrystalline LiNi_{0.8}Mn_{0.1}Co_{0.1}O₂ in PEOâ€Based Solid Polymer Electrolyte. Advanced Functional Materials, 2022, 32, .	14.9	19
2	Raising the Intrinsic Safety of Layered Oxide Cathodes by Surface Reâ€Lithiation with LLZTO Garnetâ€Type Solid Electrolytes. Advanced Materials, 2022, 34, e2200655.	21.0	30
3	Multiprincipal Component P2-Na_{0.6}(Ti_{0.2}Mn_{0.2}Co_{0.2}Ni_{0.2}Ru_{0.2})O₂ as a High-Rate Cathode for Sodium-Ion Batteries. Jacs Au, 2021, 1, 98-107.	7.9	22
4	Novel Cu(Zn)â€“Geâ€“P compounds as advanced anode materials for Li-ion batteries. Energy and Environmental Science, 2021, 14, 2394-2407.	30.8	17
5	Synergistic Effect of Temperature and Electrolyte Concentration on Solidâ€State Interphase for Highâ€Performance Lithium Metal Batteries. Advanced Energy and Sustainability Research, 2021, 2, 2100010.	5.8	2
6	Anion and cation co-doping of Na4SnS4 as sodium superionic conductors. Materials Today Physics, 2020, 15, 100281.	6.0	6
7	An In Situ Formed Surface Coating Layer Enabling LiCoO₂ with Stable 4.6 V Highâ€Voltage Cycle Performances. Advanced Energy Materials, 2020, 10, 2001413.	19.5	201
8	Targeted synthesis and reaction mechanism discussion of Mo₂C based insertion-type electrodes for advanced pseudocapacitors. Journal of Materials Chemistry A, 2020, 8, 7819-7827.	10.3	14
9	A stabilized PEO-based solid electrolyte via a facile interfacial engineering method for a high voltage solid-state lithium metal battery. Chemical Communications, 2020, 56, 5633-5636.	4.1	43
10	Fast Energy Storage in Two-Dimensional MoO₂ Enabled by Uniform Oriented Tunnels. ACS Nano, 2019, 13, 9091-9099.	14.6	59
11	Enhanced Electrochemical Performance of the Lithium-Manganese-Rich Cathode for Li-Ion Batteries with Na and F CoDoping. ACS Applied Materials & Interfaces, 2019, 11, 37842-37849.	8.0	47
12	Simple and Cost-Effective Approach To Dramatically Enhance the Durability and Capability of a Layered Î´-MnO₂ Based Electrode for Pseudocapacitors: A Practical Electrochemical Test and Mechanistic Revealing. ACS Applied Energy Materials, 2019, 2, 2743-2750.	5.1	17
13	Lithium-Doping Stabilized High-Performance P2â€“Na_{0.66}Li_{0.18}Fe_{0.12}Mn_{0.7}O₂ Cathode for Sodium Ion Batteries. Journal of the American Chemical Society, 2019, 141, 6680-6689.	13.7	187
14	Design of high-performance cathode materials with single-phase pathway for sodium ion batteries: A study on P2-Nax(LiyMn1-y)O2 compounds. Journal of Power Sources, 2018, 381, 171-180.	7.8	65
15	Synthesis of biomass-derived 3D porous graphene-like via direct solid-state transformation and its potential utilization in lithium-ion battery. Ionics, 2018, 24, 1879-1886.	2.4	16
16	Computational Studies of Electrode Materials in Sodiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1702998.	19.5	137
17	Fabrication of TiO₂ coated porous CoMn₂O₄ submicrospheres for advanced lithium-ion anodes. RSC Advances, 2017, 7, 21214-21220.	3.6	13
18	Construction and Performance Characterization of Î±-Fe₂O₃/rGO Composite for Long-Cycling-Life Supercapacitor Anode. ACS Sustainable Chemistry and Engineering, 2017, 5, 5067-5074.	6.7	98

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19	Porous Functionalized Self-Standing Carbon Fiber Paper Electrodes for High-Performance Capacitive Energy Storage. ACS Applied Materials & Interfaces, 2017, 9, 13173-13180.	8.0	40
20	High rate and high capacity lithiation of rGO-coated Co2(OH)2CO3 nanosheet arrays for lithium-ion batteries through the involvement of CO32â^'. Electrochimica Acta, 2017, 235, 98-106.	5.2	13
21	A Lowâ€Cost, Selfâ€Standing NiCo₂O₄@CNT/CNT Multilayer Electrode for Flexible Asymmetric Solidâ€State Supercapacitors. Advanced Functional Materials, 2017, 27, 1702160.	14.9	277
22	Investigation into the energy storage behaviour of layered Î±-V2O5 as a pseudo-capacitive electrode using operando Raman spectroscopy and a quartz crystal microbalance. Physical Chemistry Chemical Physics, 2017, 19, 24689-24695.	2.8	22
23	Synthesis and Characterization of Self-Standing and Highly Flexible Î´-MnO₂@CNTs/CNTs Composite Films for Direct Use of Supercapacitor Electrodes. ACS Applied Materials & Interfaces, 2016, 8, 23721-23728.	8.0	83
24	Investigation into the origin of high stability of Î´-MnO2 pseudo-capacitive electrode using operando Raman spectroscopy. Nano Energy, 2016, 30, 293-302.	16.0	109
25	Investigations into the origin of pseudocapacitive behavior of Mn₃O₄ electrodes using in operando Raman spectroscopy. Journal of Materials Chemistry A, 2015, 3, 7338-7344.	10.3	104
26	A high-performance anode for lithium ion batteries: Fe₃O₄ microspheres encapsulated in hollow graphene shells. Journal of Materials Chemistry A, 2015, 3, 11847-11856.	10.3	159
27	Phase transitionâ€“induced electrochemical performance enhancement of hierarchical CoCO3/CoO nanostructure for pseudocapacitor electrode. Nano Energy, 2015, 11, 736-745.	16.0	65
28	Phase evolution of an alpha MnO 2 -based electrode for pseudo-capacitors probed by in operando Raman spectroscopy. Nano Energy, 2014, 9, 161-167.	16.0	195
29	A mild route of synthesis metal/carbon novel core/shell nanospheres in ethanol system. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	6
30	Facile fabrication of carbonaceous nanospheres loaded with silver nanoparticles as antibacterial materials. Journal of Materials Chemistry, 2012, 22, 8121.	6.7	71