Ning Zhang

List of Publications by Year
in descending order

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22	1,778	430754 18	677027 22
papers	citations	h-index	g-index

22	22	22	1693
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanism of Action of the Tungsten Dopant in LiNiO₂ Positive Electrode Materials. Advanced Energy Materials, 2022, 12, .	10.2	49
2	Synthesis of Co-Free Ni-Rich Single Crystal Positive Electrode Materials for Lithium Ion Batteries: Part I. Two-Step Lithiation Method for Al- or Mg-Doped LiNiO₂. Journal of the Electrochemical Society, 2021, 168, 040531.	1.3	33
3	Synthesis of Co-Free Ni-Rich Single Crystal Positive Electrode Materials for Lithium Ion Batteries: Part II. One-Step Lithiation Method of Mg-Doped LiNiO₂. Journal of the Electrochemical Society, 2021, 168, 050506.	1.3	16
4	Factors that Affect Capacity in the Low Voltage Kinetic Hindrance Region of Ni-Rich Positive Electrode Materials and Diffusion Measurements from a Reinvented Approach. Journal of the Electrochemical Society, 2021, 168, 070503.	1.3	29
5	Boosting the electrochemical performance of LiNi0.6Mn0.2Co0.2O2 through a trace amount of Mg-B co-doping. Journal of Materials Science and Technology, 2021, 89, 167-178.	5.6	11
6	Effects of Fluorine Doping on Nickel-Rich Positive Electrode Materials for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2020, 167, 080518.	1.3	18
7	Study of the Reactions between Ni-Rich Positive Electrode Materials and Aqueous Solutions and their Relation to the Failure of Li-Ion Cells. Journal of the Electrochemical Society, 2020, 167, 130521.	1.3	64
8	An Unavoidable Challenge for Ni-Rich Positive Electrode Materials for Lithium-Ion Batteries. Chemistry of Materials, 2019, 31, 7574-7583.	3.2	205
9	Impact of Dopants (Al, Mg, Mn, Co) on the Reactivity of Li_xNiO₂Âwith the Electrolyte of Li-Ion Batteries. Journal of the Electrochemical Society, 2019, 166, A2826-A2833.	1.3	46
10	A Wide Range of Testing Results on an Excellent Lithium-Ion Cell Chemistry to be used as Benchmarks for New Battery Technologies. Journal of the Electrochemical Society, 2019, 166, A3031-A3044.	1.3	286
11	Synthesis of Single Crystal LiNi_{0.88}Co_{0.09}Al_{0.03}O₂Âwith a Two-Step Lithiation Method. Journal of the Electrochemical Society, 2019, 166, A1956-A1963.	1.3	117
12	Is Cobalt Needed in Ni-Rich Positive Electrode Materials for Lithium Ion Batteries?. Journal of the Electrochemical Society, 2019, 166, A429-A439.	1.3	259
13	Investigating the Effects of Magnesium Doping in Various Ni-Rich Positive Electrode Materials for Lithium Ion Batteries. Journal of the Electrochemical Society, 2019, 166, A4025-A4033.	1.3	54
14	Cobalt-Free Nickel-Rich Positive Electrode Materials with a Coreâ€“Shell Structure. Chemistry of Materials, 2019, 31, 10150-10160.	3.2	69
15	Preparation of Poly(o-ethylaniline)-SiC/Zinc Bilayer Coatings and Study of Its Corrosion Resistance Properties. Journal of the Electrochemical Society, 2018, 165, G56-G65.	1.3	7
16	Impact of the Synthesis Conditions on the Performance of LiNi_xCo_yAl_zO₂ with High Ni and Low Co Content. Journal of the Electrochemical Society, 2018, 165, A3544-A3557.	1.3	55
17	Structural, Electrochemical, and Thermal Properties of Nickel-Rich LiNi_xMn_yCo_zO₂ Materials. Chemistry of Materials, 2018, 30, 8852-8860.	3.2	80
18	Updating the Structure and Electrochemistry of Li_xNiO₂ for 0 â‰¤ x â‰¤ 1. Journal of the Electrochemical Society, 2018, 165, A2985-A2993.	1.3	194

#	Article	IF	Citations
19	Investigating the Removal of Layered Double Hydroxides in [Ni_{0.80}Co_{0.15}]_{0.95-x}Al_{0.05+x}(OH)₂(x = 0,) Tj ET q1 1 0.784314 rg		
20	Dependence of Cell Failure on Cut-Off Voltage Ranges and Observation of Kinetic Hindrance in LiNi_{0.8}Co_{0.15}Al_{0.05}O₂. Journal of the Electrochemical Society, 2018, 165, A2682-A2695.	1.3	99
21	Synthesis and characterization of a poly(o-anisidine)â€“SiC composite and its application for corrosion protection of steel. RSC Advances, 2017, 7, 11732-11742.	1.7	49
22	Preparation of poly(o-ethoxyaniline)-nano SiC composite and evaluation of its corrosion resistance properties. Journal of Alloys and Compounds, 2017, 717, 98-107.	2.8	20