

Yulin Lee

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Enhancing the Catalytic Activity of Co_3O_4 for Li^+O_2 Batteries through the Synergy of Surface/Interface/Doping Engineering. ACS Catalysis, 2018, 8, 1955-1963.	11.2	111
2	An amorphous LiO_2 -based Li-O_2 battery with low overpotential and high rate capability. Nano Energy, 2017, 41, 535-542.	16.0	71
3	Synthesis Method for Long Cycle Life Lithium-Ion Cathode Material: Nickel-Rich Core-Shell $\text{LiNi}_{0.8}\text{Co}_{0.1}\text{Mn}_{0.1}\text{O}_2$. ACS Applied Materials & Interfaces, 2018, 10, 17850-17860.	8.0	69
4	Na^+ -Conductive $\text{Na}_2\text{Ti}_3\text{O}_7$ -Modified P2-type $\text{Na}_{2/3}\text{Ni}_{1/3}\text{Mn}_{2/3}\text{O}_2$ via a Smart in Situ Coating Approach: Suppressing Na^+ /Vacancy Ordering and P2 \leftrightarrow O2 Phase Transition. ACS Applied Materials & Interfaces, 2019, 11, 856-864.	8.0	60
5	A novel synthesis strategy to improve cycle stability of $\text{LiNi}_{0.8}\text{Mn}_{0.1}\text{Co}_{0.1}\text{O}_2$ at high cut-off voltages through core-shell structuring. Nano Research, 2019, 12, 2460-2467.	10.4	34
6	Suppressing phase transition and improving electrochemical performances of $\text{O}_3\text{-NaNi}_{1/3}\text{Mn}_{1/3}\text{Fe}_{1/3}\text{O}_2$ through ionic conductive Na_2SiO_3 coating. Journal of Power Sources, 2019, 429, 38-45.	7.8	34
7	Designing advanced P3-type $\text{K}_{0.45}\text{Ni}_{0.1}\text{Co}_{0.1}\text{Mn}_{0.8}\text{O}_2$ and improving electrochemical performance via Al/Mg doping as a new cathode Material for potassium-ion batteries. Journal of Power Sources, 2020, 464, 228190.	7.8	34
8	Designing high-voltage and high-rate $\text{Li}_{1-x}\text{Na}_x\text{CoO}_2$ by enlarging Li layer spacing. Electrochimica Acta, 2018, 273, 145-153.	5.2	23
9	Lithium ion Conductor and Electronic Conductor Co-coating Modified Layered Cathode Material $\text{LiNi}_{1/3}\text{Mn}_{1/3}\text{Co}_{1/3}\text{O}_2$. Electrochimica Acta, 2017, 247, 443-450.	5.2	18
10	Core-Shell Structure and X^{δ} -Doped ($\text{X}^{\delta} = \text{Li, Zr}$) Comodified $\text{O}_3\text{-NaNi}_{0.5}\text{Mn}_{0.5}\text{O}_2$: Excellent Electrochemical Performance as Cathode Materials of Sodium-Ion Batteries. Energy Technology, 2020, 8, 1901504.	3.8	16
11	A comprehensive study of the multiple effects of Y/Al substitution on O_3 -type $\text{NaNi}_{0.33}\text{Mn}_{0.33}\text{Fe}_{0.33}\text{O}_2$ with improved cycling stability and rate capability for Na-ion battery applications. Nanoscale, 2020, 12, 16831-16839.	5.6	13
12	Multiple Influences of Nickel Concentration Gradient Structure and Yttrium Element Substitution on the Structural and Electrochemical Performances of the $\text{NaNi}_{0.25}\text{Mn}_{0.25}\text{Fe}_{0.5}\text{O}_2$ Cathode Material. Journal of Physical Chemistry C, 2021, 125, 20171-20183.	3.1	8
13	Ethyl methacrylate diblock copolymers as polymeric surfactants: Effect of molar mass and composition. European Polymer Journal, 2021, 154, 110537.	5.4	3
14	Effect of Polymer Molecular Mass and Structure on the Mechanical Properties of Polymer-Glass Hybrids. ACS Omega, 2022, 7, 786-792.	3.5	3