

Yanbing Cao

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Enhancing the Structure and Interface Stability of $\text{LiNi}_{0.83}\text{Co}_{0.12}\text{Mn}_{0.05}\text{O}_2$ Cathode Material for Li-Ion Batteries via Facile CeP_2O_7 Coating. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 4881-4893.	6.7	2
2	Synthesis of flexible $\text{LiMn}_0.8\text{Fe}_0.2\text{PO}_4/\text{C}$ microsphere and its synergetic effects with blended $\text{LiNi}_0.85\text{Co}_0.1\text{Al}_0.05\text{O}_2$ electrodes. <i>Journal of Power Sources</i> , 2022, 541, 231671.	7.8	5
3	Enhanced cycle performance and synthesis of $\text{LiNi}_0.6\text{Co}_0.2\text{Mn}_0.2\text{O}_2$ single-crystal through the assist of Ba ion. <i>Journal of Power Sources</i> , 2022, 542, 231784.	7.8	7
4	A facile in-situ coating strategy for Ni-rich cathode materials with improved electrochemical performance. <i>Electrochimica Acta</i> , 2021, 383, 138297.	5.2	18
5	Green and efficient synthesis of micro-nano $\text{LiMn}_0.8\text{Fe}_0.2\text{PO}_4/\text{C}$ composite with high-rate performance for Li-ion battery. <i>Electrochimica Acta</i> , 2021, 387, 138456.	5.2	6
6	Improving the high-voltage performance of $\text{LiNi}_0.6\text{Co}_0.2\text{Mn}_0.2\text{O}_2$ by co-doping of zirconium and erbium. <i>Solid State Ionics</i> , 2021, 371, 115757.	2.7	5
7	Enhancing Surface Chemical Stability of LiMn_2O_4 Cathode by Strontium Enrichment at Grain Boundaries. <i>ChemSusChem</i> , 2021, 14, 5476-5487.	6.8	1
8	In Situ Surface Modification for Improving the Electrochemical Performance of Ni-Rich Cathode Materials by Using ZrP_2O_7 . <i>ChemSusChem</i> , 2020, 13, 1603-1612.	6.8	32
9	Synthesis and characterization of $\text{LiMn}_0.8\text{Fe}_0.2\text{PO}_4/\text{rGO}/\text{C}$ for lithium-ion batteries via in-situ coating of $\text{Mn}_0.8\text{Fe}_0.2\text{C}_2\text{O}_4 \cdot 2\text{H}_2\text{O}$ precursor with graphene oxide. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 2441-2450.	2.5	7
10	Surface Architecture Design of $\text{LiNi}_0.8\text{Co}_0.15\text{Al}_0.05\text{O}_2$ Cathode with Synergistic Organics Encapsulation to Enhance Electrochemical Stability. <i>ChemSusChem</i> , 2020, 13, 5699-5710.	6.8	17
11	Surface modification of $\text{LiNi}_0.8\text{Co}_0.1\text{Mn}_0.1\text{O}_2$ by WO_3 as a cathode material for LIB. <i>Applied Surface Science</i> , 2019, 481, 1228-1238.	6.1	94
12	Graphene@ TiO_2 co-modified $\text{LiNi}_0.6\text{Co}_0.2\text{Mn}_0.2\text{O}_2$ cathode materials with enhanced electrochemical performance under harsh conditions. <i>Electrochimica Acta</i> , 2018, 289, 149-157.	5.2	31
13	Conductive Polymers Encapsulation To Enhance Electrochemical Performance of Ni-Rich Cathode Materials for Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18270-18280.	8.0	146
14	Enhanced electrochemical performance of $\text{LiNi}_0.8\text{Co}_0.1\text{Mn}_0.1\text{O}_2$ cathode materials via $\text{Li}_4\text{P}_2\text{O}_7$ surface modification for Li-ion batteries. <i>Ceramics International</i> , 2018, 44, 14209-14216.	4.8	34
15	One strategy to enhance electrochemical properties of Ni-based cathode materials under high cut-off voltage for Li-ion batteries. <i>Journal of Power Sources</i> , 2016, 328, 422-432.	7.8	59
16	Mg-Al-B co-substitution $\text{LiNi}_0.5\text{Co}_0.2\text{Mn}_0.3\text{O}_2$ cathode materials with improved cycling performance for lithium-ion battery under high cutoff voltage. <i>Electrochimica Acta</i> , 2016, 190, 264-275.	5.2	108
17	Electrochemical behaviours of SiO_2 -coated $\text{LiNi}_0.8\text{Co}_0.1\text{Mn}_0.1\text{O}_2$ cathode materials by a novel modification method. <i>Journal of Alloys and Compounds</i> , 2016, 657, 570-581.	5.5	160
18	Novel efficient synthesis of nanosized carbon coated LiMnPO_4 composite for lithium ion batteries and its electrochemical performance. <i>Journal of Power Sources</i> , 2014, 268, 146-152.	7.8	32

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19	Co ²⁺ precipitation synthesis of Ni _{0.6} Co _{0.2} Mn _{0.2} (OH) ₂ precursor and characterization of LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ cathode material for secondary lithium batteries. <i>Electrochimica Acta</i> , 2014, 130, 82-89.	5.2	164
20	Synthesis of LiFePO ₄ using FeSO ₄ ·7H ₂ O byproduct from TiO ₂ production as raw material. <i>Rare Metals</i> , 2009, 28, 612-617.	7.1	5
21	Preparation of spherical spinel LiCr _{0.04} Mn _{1.96} O ₄ cathode materials based on the slurry spray drying method. <i>Rare Metals</i> , 2009, 28, 618-623.	7.1	4