

Yang Liu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A novel LiCoPO_4 -coated core-shell structure for spinel $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ as a high-performance cathode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 996-1004.	10.3	58
2	Synthesis of micron-sized $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ single crystals through in situ microemulsion/coprecipitation and characterization of their electrochemical capabilities. <i>Powder Technology</i> , 2019, 343, 445-453.	4.2	31
3	Enhanced electrochemical performance of LiMn_2O_4 by constructing a stable Mn^{2+} -rich interface. <i>Applied Surface Science</i> , 2017, 426, 19-28.	6.1	25
4	Effect of ball milling conditions on microstructure and lithium storage properties of $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ as cathode for lithium-ion batteries. <i>Materials Research Bulletin</i> , 2018, 99, 436-443.	5.2	10
5	Synthesis and structural properties of $x\text{Li}_2\text{MnO}_3 \cdot (1-x)\text{LiNi}_{0.5}\text{Mn}_{0.5}\text{O}_2$ single crystals towards enhancing reversibility for lithium-ion battery/pouch cells. <i>Journal of Alloys and Compounds</i> , 2019, 770, 490-499.	5.5	10
6	Synthesis of $\text{Li}_{1.147}\text{K}_{0.026}\text{Mn}_{0.582}\text{Ni}_{0.25}\text{O}_2$ cathode material with high rate cyclic performance and the application to lithium-ion full cells. <i>Journal of Alloys and Compounds</i> , 2019, 787, 700-710.	5.5	10
7	Preparation and characterization of $\text{Li}_{1.167-x}\text{K}_x\text{Mn}_{0.583}\text{Ni}_{0.25}\text{O}_2$ ($x=0, 0.025, 0.05$ and 0.075) as cathode materials for highly reversible lithium-ion batteries. <i>Electrochimica Acta</i> , 2020, 341, 136014.	5.2	7