

# Shiyuan Cao

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Co-hydrothermal synthesis of LiMn <sub>23/24</sub> Mg <sub>1/24</sub> PO <sub>4</sub> ·LiAlO <sub>2</sub> /C nano-hybrid cathode material with enhanced electrochemical performance for lithium-ion batteries. Applied Surface Science, 2017, 394, 190-196.	6.1	16
2	Preparation and electrochemical properties of cationic substitution Li <sub>2</sub> Mn <sub>0.98</sub> M <sub>0.02</sub> SiO <sub>4</sub> (M = Mg, Ni). Tj ETQq0 0,0rgBT /Overlock 10	2.4	16
3	Carbothermal reduction preparation and performance of LiFePO <sub>4</sub> /C by using ammonium jarosite extracted from vanadium slag as iron source. Ionics, 2019, 25, 5725-5734.	2.4	11
4	Study on synthesis of spinel LiNi <sub>0</sub> Mn <sub>1</sub> O <sub>5</sub> cathode material and its electrochemical properties by two-stage roasting. International Journal of Energy Research, 2021, 45, 8932-8941.	4.5	11
5	Insight into structural and electrochemical properties of Mg-doped LiMnPO <sub>4</sub> /C cathode materials with first-principles calculation and experimental verification. International Journal of Energy Research, 2021, 45, 20715-20728.	4.5	10
6	Enhanced electrochemical performance of LiAlO <sub>2</sub> -LiMnPO <sub>4</sub> /C composite using LiAlO <sub>2</sub> from AAO synthesis by hydrothermal rout. Ionics, 2020, 26, 4977-4983.	2.4	9
7	Preparation of LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> cathode materials by non-constant temperature calcination and research on its performance. Ionics, 2022, 28, 555-565.	2.4	8
8	The recent progress of Li <sub>2</sub> FeSiO <sub>4</sub> as a polyanionic cathode material for lithium-ion batteries. International Journal of Energy Research, 2022, 46, 5373-5398.	4.5	8
9	Two-position intrinsic element complement: Synthesis and electrochemical properties of Li <sub>2-x</sub> Mn <sub>1-x</sub> SiO <sub>4</sub> @carbon as cathode materials for lithium batteries. International Journal of Energy Research, 2021, 45, 16922-16931.	4.5	7
10	Investigations on the preparation and electrochemical performance of the Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> /LiMn <sub>23/24</sub> Mg <sub>1/24</sub> PO <sub>4</sub> full cell with a long lifespan. Ionics, 2020, 26, 4267-4275.	2.4	6
11	Based on first-principles calculation, study on the synthesis, and performance of Fe-Ni co-doped LiMnPO <sub>4</sub> /C as cathode material for lithium-ion batteries. Ionics, 2022, 28, 577-591.	2.4	6
12	Alkaline Hydrothermal Treatment and Leaching Kinetics of Silicon from Laterite Nickel Ore. Mining, Metallurgy and Exploration, 2022, 39, 129-138.	0.8	2
13	The Extraction of Silica from Nickel Laterite Ore by Alkaline Hydrothermal Process. Mining, Metallurgy and Exploration, 2022, 39, 1245-1253.	0.8	2