Shiyuan Cao

List of Publications by Year
in descending order

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13 papers	112 citations	1307594 7 h-index	1372567 10 g-index
13 all docs	13 docs citations	13 times ranked	63 citing authors

#	Article	IF	Citations
1	Based on first-principles calculation, study on the synthesis, and performance of Feâ€“Ni co-doped LiMnPO4/C as cathode material for lithium-ion batteries. Ionics, 2022, 28, 577-591.	2.4	6
2	Preparation of LiNi0.5Mn1.5O4 cathode materials by non-constant temperature calcination and research on its performance. Ionics, 2022, 28, 555-565.	2.4	8
3	Alkaline Hydrothermal Treatment and Leaching Kinetics of Silicon from Laterite Nickel Ore. Mining, Metallurgy and Exploration, 2022, 39, 129-138.	0.8	2
4	The recent progress of <scp> Li ₂ FeSiO ₄ </scp> as a polyâ€anionic cathode material for lithiumâ€ion batteries. International Journal of Energy Research, 2022, 46, 5373-5398.	4.5	8
5	The Extraction of Silica from Nickel Laterite Ore by Alkaline Hydrothermal Process. Mining, Metallurgy and Exploration, 2022, 39, 1245-1253.	0.8	2
6	Study on synthesis of spinel <scp> LiNi ₀ </scp> _. <scp> ₅ Mn ₁ </scp> _. <scp> ₅ O ₄ </scp> cathode material and its electrochemical properties by twoâ€stage roasting. International Journal of Energy Research, 2021, 45, 8932-8941.	4.5	11
7	Twoâ€position intrinsic element complement: Synthesis and electrochemical properties of Li_{2â€‰+}â€‰<scp>_xMn_{1â€x}SiO₄</scp>@carbon as cathode materials for lithium batteries. International Journal of Energy Research, 2021, 45, 16922-16931.	4.5	7
8	Insight into structural and electrochemical properties of Mgâ€doped <scp> LiMnPO ₄ </scp> /C cathode materials with firstâ€principles calculation and experimental verification. International Journal of Energy Research, 2021, 45, 20715-20728.	4.5	10
9	Investigations on the preparation and electrochemical performance of the Li4Ti5O12/LiMn23/24Mg1/24PO4 full cell with a long lifespan. Ionics, 2020, 26, 4267-4275.	2.4	6
10	Enhanced electrochemical performance of LiAlO2-LiMnPO4/C composite using LiAlO2 from AAO synthesis by hydrothermal rout. Ionics, 2020, 26, 4977-4983.	2.4	9
11	Preparation and electrochemical properties of cationic substitution Li2Mn0.98M0.02SiO4 (M = Mg, Ni,) Tj ETQq1 1 0.784314 rgBT /Ov	2.4	16
12	Carbothermal reduction preparation and performance of LiFePO4/C by using ammonium jarosite extracted from vanadium slag as iron source. Ionics, 2019, 25, 5725-5734.	2.4	11
13	Co-hydrothermal synthesis of LiMn 23/24 Mg 1/24 PO 4 Â·LiAlO 2 /C nano-hybrid cathode material with enhanced electrochemical performance for lithium-ion batteries. Applied Surface Science, 2017, 394, 190-196.	6.1	16