

Fengxia Xin

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,261
citations

567281

15
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794594

19
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20
all docs

20
docs citations

20
times ranked

1863
citing authors

#	ARTICLE	IF	CITATIONS
1	Micro-sized nano-porous Si/C anodes for lithium ion batteries. <i>Nano Energy</i> , 2015, 11, 490-499.	16.0	253
2	What Limits the Capacity of Layered Oxide Cathodes in Lithium Batteries?. <i>ACS Energy Letters</i> , 2019, 4, 1902-1906.	17.4	172
3	Li ⁺ -Nb ⁵⁺ -O Coating/Substitution Enhances the Electrochemical Performance of the LiNi _{0.8} Mn _{0.1} Co _{0.1} O ₂ (NMC 811) Cathode. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 34889-34894.	8.0	124
4	Challenges and Development of Tin-Based Anode with High Volumetric Capacity for Li-Ion Batteries. <i>Electrochemical Energy Reviews</i> , 2020, 3, 643-655.	25.5	123
5	What is the Role of Nb in Nickel-Rich Layered Oxide Cathodes for Lithium-Ion Batteries?. <i>ACS Energy Letters</i> , 0, , 1377-1382.	17.4	107
6	Scalable fabrication of micro-sized bulk porous Si from Fe ⁺ -Si alloy as a high performance anode for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17956-17962.	10.3	74
7	Prussian blue-derived Fe ₂ O ₃ /sulfur composite cathode for lithium-sulfur batteries. <i>Materials Letters</i> , 2014, 137, 52-55.	2.6	69
8	Hollow silica-copper-carbon anodes using copper metal-organic frameworks as skeletons. <i>Nanoscale</i> , 2015, 7, 20426-20434.	5.6	49
9	Up-conversion luminescence of Er ³⁺ -doped glass ceramics containing ² -NaGdF ₄ nanocrystals for silicon solar cells. <i>Materials Letters</i> , 2012, 78, 75-77.	2.6	47
10	A lithiation/delithiation mechanism of monodispersed MSn ₅ (M = Fe, Co and FeCo) nanospheres. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7170-7178.	10.3	47
11	Structural evolution and enhancement of luminescence in the Eu-doped oxyfluoride glass ceramics containing NaGdF ₄ nanocrystals. <i>CrystEngComm</i> , 2013, 15, 7346.	2.6	30
12	High lithium electroactivity of boron-doped hierarchical rutile submicrosphere TiO ₂ . <i>Journal of Materials Chemistry A</i> , 2014, 2, 10599-10606.	10.3	29
13	¹ - and ² -LiVOPO ₄ : Phase Transformation and Electrochemistry. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 28537-28541.	8.0	27
14	Three-dimensional interconnected network GeO _x /multi-walled CNT composite spheres as high-performance anodes for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 19393-19401.	10.3	25
15	Nanocrystal Conversion-Assisted Design of Sn-Fe Alloy with a Core-Shell Structure as High-Performance Anodes for Lithium-Ion Batteries. <i>ACS Omega</i> , 2019, 4, 4888-4895.	3.5	25
16	Structural Evolution of 3D Nano-Sn/Reduced Graphene Oxide Composite from a Sandwich-like Structure to a Curly Sn@Carbon Nanocage-like Structure during Lithiation/Delithiation Cycling. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600498.	3.7	17
17	Can Greener Cyrene Replace NMP for Electrode Preparation of NMC 811 Cathodes?. <i>Journal of the Electrochemical Society</i> , 2021, 168, 040536.	2.9	16
18	Conditioning the Surface and Bulk of High-Nickel Cathodes with a Nb Coating: An <i>In Situ</i> X-ray Study. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7908-7913.	4.6	16

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19	Al Substitution for Mn during Co-Precipitation Boosts the Electrochemical Performance of $\text{LiNi}_{0.8}\text{Mn}_{0.1}\text{Co}_{0.1}\text{O}_2$. <i>Journal of the Electrochemical Society</i> , 2021, 168, 050532.	2.9	8
20	A New Intermetallic NiSn_5 Phase: Induced Synthesis, Crystal Structure Resolution, and Investigation of Its Mechanism. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2561-2566.	4.6	3