Fengxia Xin

List of Publications by Year
in descending order

20 papers	1,261 citations	567281 15 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	1863 citing authors

#	Article	IF	Citations
1	Can Greener Cyrene Replace NMP for Electrode Preparation of NMC 811 Cathodes?. Journal of the Electrochemical Society, 2021, 168, 040536.	2.9	16
2	Al Substitution for Mn during Co-Precipitation Boosts the Electrochemical Performance of LiNi_{0.8}Mn_{0.1}Co_{0.1}O₂. Journal of the Electrochemical Society, 2021, 168, 050532.	2.9	8
3	Conditioning the Surface and Bulk of High-Nickel Cathodes with a Nb Coating: An In Situ X-ray Study. Journal of Physical Chemistry Letters, 2021, 12, 7908-7913.	4.6	16
4	Challenges and Development of Tin-Based Anode with High Volumetric Capacity for Li-Ion Batteries. Electrochemical Energy Reviews, 2020, 3, 643-655.	25.5	123
5	What Limits the Capacity of Layered Oxide Cathodes in Lithium Batteries?. ACS Energy Letters, 2019, 4, 1902-1906.	17.4	172
6	Liâ€“Nbâ€“O Coating/Substitution Enhances the Electrochemical Performance of the LiNi_{0.8}Mn_{0.1}Co_{0.1}O₂ (NMC 811) Cathode. ACS Applied Materials & Interfaces, 2019, 11, 34889-34894.	8.0	124
7	A New Intermetallic NiSn₅ Phase: Induced Synthesis, Crystal Structure Resolution, and Investigation of Its Mechanism. Journal of Physical Chemistry Letters, 2019, 10, 2561-2566.	4.6	3
8	Nanocrystal Conversion-Assisted Design of Snâ€“Fe Alloy with a Coreâ€“Shell Structure as High-Performance Anodes for Lithium-Ion Batteries. ACS Omega, 2019, 4, 4888-4895.	3.5	25
9	Îµ- and Î²-LiVOPO₄: Phase Transformation and Electrochemistry. ACS Applied Materials & Interfaces, 2017, 9, 28537-28541.	8.0	27
10	Structural Evolution of 3D Nanoâ€Sn/Reduced Graphene Oxide Composite from a Sandwichâ€like Structure to a Curly Sn@Carbon Nanocageâ€like Structure during Lithiation/Delithiation Cycling. Advanced Materials Interfaces, 2016, 3, 1600498.	3.7	17
11	Scalable fabrication of micro-sized bulk porous Si from Feâ€“Si alloy as a high performance anode for lithium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 17956-17962.	10.3	74
12	A lithiation/delithiation mechanism of monodispersed MSn₅ (M = Fe, Co and FeCo) nanospheres. Journal of Materials Chemistry A, 2015, 3, 7170-7178.	10.3	47
13	Three-dimensional interconnected network GeO_x/multi-walled CNT composite spheres as high-performance anodes for lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 19393-19401.	10.3	25
14	Hollow silicaâ€“copperâ€“carbon anodes using copper metalâ€–organic frameworks as skeletons. Nanoscale, 2015, 7, 20426-20434.	5.6	49
15	Micro-sized nano-porous Si/C anodes for lithium ion batteries. Nano Energy, 2015, 11, 490-499.	16.0	253
16	High lithium electroactivity of boron-doped hierarchical rutile submicrosphere TiO₂. Journal of Materials Chemistry A, 2014, 2, 10599-10606.	10.3	29
17	Prussian blue-derived Fe2O3/sulfur composite cathode for lithiumâ€“sulfur batteries. Materials Letters, 2014, 137, 52-55.	2.6	69
18	Structural evolution and enhancement of luminescence in the Eu-doped oxyfluoride glass ceramics containing NaGdF4 nanocrystals. CrystEngComm, 2013, 15, 7346.	2.6	30

#	Article	IF	Citations
19	Up-conversion luminescence of Er3+-doped glass ceramics containing Î²-NaGdF4 nanocrystals for silicon solar cells. Materials Letters, 2012, 78, 75-77.	2.6	47
20	What is the Role of Nb in Nickel-Rich Layered Oxide Cathodes for Lithium-Ion Batteries?. ACS Energy Letters, 0, , 1377-1382.	17.4	107