Guang He

List of Publications by Year
in descending order

47 papers	4,233 citations	236925 25 h-index	223800 46 g-index
51 all docs	51 docs citations	51 times ranked	5736 citing authors

#	Article	IF	Citations
1	Spherical Ordered Mesoporous Carbon Nanoparticles with High Porosity for Lithiumâ€“Sulfur Batteries. Angewandte Chemie - International Edition, 2012, 51, 3591-3595.	13.8	1,021
2	Sulfur Speciation in Liâ€“S Batteries Determined by Operando X-ray Absorption Spectroscopy. Journal of Physical Chemistry Letters, 2013, 4, 3227-3232.	4.6	462
3	High â€œCâ€•rate Li-S cathodes: sulfur imbibed bimodal porous carbons. Energy and Environmental Science, 2011, 4, 2878.	30.8	446
4	Tailoring Porosity in Carbon Nanospheres for Lithiumâ€“Sulfur Battery Cathodes. ACS Nano, 2013, 7, 10920-10930.	14.6	439
5	Crystallite Size Control of Prussian White Analogues for Nonaqueous Potassium-Ion Batteries. ACS Energy Letters, 2017, 2, 1122-1127.	17.4	294
6	Hierarchical pore-in-pore and wire-in-wire catalysts for rechargeable Znâ€“ and Liâ€“air batteries with ultra-long cycle life and high cell efficiency. Energy and Environmental Science, 2015, 8, 3274-3282.	30.8	107
7	A 3.4 V Layered VOPO₄ Cathode for Na-Ion Batteries. Chemistry of Materials, 2016, 28, 682-688.	6.7	100
8	VO₂/rGO nanorods as a potential anode for sodium- and lithium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 14750-14758.	10.3	99
9	Rechargeable Alâ€“CO₂ Batteries for Reversible Utilization of CO₂. Advanced Materials, 2018, 30, e1801152.	21.0	96
10	Stable Cycling of a Scalable Graphene-Encapsulated Nanocomposite for Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2014, 6, 10917-10923.	8.0	80
11	Bimodal Mesoporous Carbon Nanofibers with High Porosity: Freestanding and Embedded in Membranes for Lithiumâ€“Sulfur Batteries. Chemistry of Materials, 2014, 26, 3879-3886.	6.7	80
12	Flexible Amalgam Film Enables Stable Lithium Metal Anodes with High Capacities. Angewandte Chemie - International Edition, 2019, 58, 18466-18470.	13.8	67
13	Tailoring nanoporous structures of Ge anodes for stable potassium-ion batteries. Electrochemistry Communications, 2019, 101, 68-72.	4.7	67
14	Î²-NaVOPO₄ Obtained by a Low-Temperature Synthesis Process: A New 3.3 V Cathode for Sodium-Ion Batteries. Chemistry of Materials, 2016, 28, 1503-1512.	6.7	60
15	Nanostructured Li₂MnSiO₄/C Cathodes with Hierarchical Macroâ€/Mesoporosity for Lithiumâ€Ion Batteries. Advanced Functional Materials, 2014, 24, 5277-5283.	14.9	51
16	Dealloyed nanoporous materials for rechargeable lithium batteries. Electrochemical Energy Reviews, 2020, 3, 541-580.	25.5	49
17	Crystal Chemistry of Electrochemically and Chemically Lithiated Layered Î±_I-LiVOPO₄. Chemistry of Materials, 2015, 27, 6699-6707.	6.7	45
18	Hydrothermal Synthesis and Electrochemical Properties of Li₂CoSiO₄/C Nanospheres. Chemistry of Materials, 2013, 25, 1024-1031.	6.7	44

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19	An amalgam route to stabilize potassium metal anodes over a wide temperature range. Chemical Communications, 2020, 56, 3512-3515.	4.1	43
20	Structural Evolution upon Delithiation/Lithiation in Prelithiated Foil Anodes: A Case Study of AgLi Alloys with High Li Utilization and Marginal Volume Variation. Advanced Energy Materials, 2021, 11, 2003082.	19.5	42
21	Preparation and electrochemical hydrogen storage property of alloy CoSi. Electrochemistry Communications, 2006, 8, 1633-1638.	4.7	39
22	Effect of synthesis method on the structure and electrochemical behaviour of Coâ€“Si particles. International Journal of Hydrogen Energy, 2007, 32, 3416-3419.	7.1	29
23	Ultrathin Al foils to fabricate dendrite-free Liâ€“Al anodes. Journal of Materials Chemistry A, 2019, 7, 25415-25422.	10.3	27
24	Stable cycling of Î²-VOPO4/NaVOPO4 cathodes for sodium-ion batteries. Electrochimica Acta, 2018, 292, 47-54.	5.2	26
25	Exploration of Nanoporous CuBi Binary Alloy for Potassium Storage. Advanced Functional Materials, 2020, 30, 2003838.	14.9	26
26	Preparation and electrochemical properties of MgNiâ€“MB (M=Co, Ti) composite alloys. Journal of Alloys and Compounds, 2008, 450, 375-379.	5.5	22
27	Dealloyed Nanoporous Materials for Rechargeable Postâ€Lithium Batteries. ChemSusChem, 2020, 13, 3376-3390.	6.8	20
28	A thermodynamically stable quasi-liquid interface for dendrite-free sodium metal anodes. Journal of Materials Chemistry A, 2020, 8, 6822-6827.	10.3	20
29	Chemical-dealloying to fabricate nonconductive interlayers for high-loading lithium sulfur batteries. Journal of Alloys and Compounds, 2019, 806, 881-888.	5.5	16
30	Capacityâ€Limited Naâ€“M foil Anode: toward Practical Applications of Na Metal Anode. Small, 2021, 17, e2102126.	10.0	16
31	Non-aqueous synthesis of high-quality Prussian blue analogues for Na-ion batteries. Chemical Communications, 2022, 58, 4472-4475.	4.1	16
32	A room temperature alloying strategy to enable commercial metal foil for efficient Li/Na storage and deposition. Energy Storage Materials, 2021, 34, 708-715.	18.0	15
33	Applications of Lowâ€Meltingâ€Point Metals in Rechargeable Metal Batteries. Chemistry - A European Journal, 2021, 27, 6407-6421.	3.3	15
34	Delithiation/lithiation behaviors of three polymorphs of LiVOPO₄. Chemical Communications, 2018, 54, 13224-13227.	4.1	14
35	Ambient stable Na0.76Mn0.48Ti0.44O2 as anode for Na-ion battery. Electrochimica Acta, 2019, 295, 181-186.	5.2	14
36	Dealloyed Nanoporous Materials for Rechargeable Postâ€Lithium Batteries. ChemSusChem, 2020, 13, 3287-3287.	6.8	14

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37	Dual-ion intercalation to enable high-capacity VOPO4 cathodes for Na-ion batteries. Electrochimica Acta, 2021, 365, 137376.	5.2	14
38	Robust silver nanowire membrane with high porosity to construct stable Li metal anodes. Materials Today Energy, 2021, 21, 100751.	4.7	9
39	Flexible Amalgam Film Enables Stable Lithium Metal Anodes with High Capacities. Angewandte Chemie, 2019, 131, 18637-18641.	2.0	7
40	A lithiophilic/lithiophobic ternary alloy anode with Ag concentration gradients guides uniform Li deposition. Chemical Communications, 2022, 58, 3158-3161.	4.1	7
41	Investigation of hydrogen absorption in Li7VN4 and Li7MnN4. Physical Chemistry Chemical Physics, 2011, 13, 8889.	2.8	6
42	Gentle reduction of SBA-15 silica to its silicon replica with retention of morphology. RSC Advances, 2014, 4, 22048-22052.	3.6	4
43	In Situ Electrolyte Gelation to Prevent Chemical Crossover in Li Metal Batteries. Advanced Materials Interfaces, 2021, 8, 2002152.	3.7	2
44	A New Reaction Pathway Enables High Volumetric-Energy-Density Li-Se Batteries. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	4.9	1
45	Frontispiece: Applications of Lowâ€Meltingâ€Point Metals in Rechargeable Metal Batteries. Chemistry - A European Journal, 2021, 27, .	3.3	0
46	Amalgams Anodes for Alkali Metal Batteries. ECS Meeting Abstracts, 2020, MA2020-01, 321-321.	0.0	0
47	Amalgam Protection for Alkali Metal Anodes. ECS Meeting Abstracts, 2020, MA2020-01, 91-91.	0.0	0