Xianying Qin

List of Publications by Year
in descending order

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30 papers	2,594 citations	257357 24 h-index	454834 30 g-index
31 all docs	31 docs citations	31 times ranked	3717 citing authors

#	Article	IF	Citations
1	Review of Recent Development of In Situ/Operando Characterization Techniques for Lithium Battery Research. Advanced Materials, 2019, 31, e1806620.	11.1	390
2	Ultrafine TiO₂ Decorated Carbon Nanofibers as Multifunctional Interlayer for High-Performance Lithiumâ€“Sulfur Battery. ACS Applied Materials & Interfaces, 2016, 8, 23105-23113.	4.0	200
3	Suppressing Selfâ€Discharge and Shuttle Effect of Lithiumâ€“Sulfur Batteries with V₂O₅â€Decorated Carbon Nanofiber Interlayer. Small, 2017, 13, 1602539.	5.2	190
4	Deep Eutectic Solvents for Boosting Electrochemical Energy Storage and Conversion: A Review and Perspective. Advanced Functional Materials, 2021, 31, 2011102.	7.8	172
5	An interwoven MoO₃@CNT scaffold interlayer for high-performance lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2018, 6, 8612-8619.	5.2	141
6	Fe₃O₄-Decorated Porous Graphene Interlayer for High-Performance Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2018, 10, 26264-26273.	4.0	117
7	Recent innovative configurations in high-energy lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2017, 5, 5222-5234.	5.2	115
8	Ultrafine Titanium Nitride Sheath Decorated Carbon Nanofiber Network Enabling Stable Lithium Metal Anodes. Advanced Functional Materials, 2019, 29, 1903229.	7.8	112
9	Electrosprayed porous Fe3O4/carbon microspheres as anode materials for high-performance lithium-ion batteries. Nano Research, 2018, 11, 892-904.	5.8	110
10	Advanced Matrixes for Binderâ€Free Nanostructured Electrodes in Lithiumâ€Ion Batteries. Advanced Materials, 2020, 32, e1908445.	11.1	108
11	Oxygen and nitrogen co-doped porous carbon granules enabling dendrite-free lithium metal anode. Energy Storage Materials, 2019, 18, 320-327.	9.5	102
12	Electrospun coreâ€“shell silicon/carbon fibers with an internal honeycomb-like conductive carbon framework as an anode for lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 7112-7120.	5.2	99
13	Investigation of cyano resin-based gel polymer electrolyte: in situ gelation mechanism and electrodeâ€“electrolyte interfacial fabrication in lithium-ion battery. Journal of Materials Chemistry A, 2014, 2, 20059-20066.	5.2	92
14	Advances in Understanding Materials for Rechargeable Lithium Batteries by Atomic Force Microscopy. Energy and Environmental Materials, 2018, 1, 28-40.	7.3	80
15	In-Plane Highly Dispersed Cu₂O Nanoparticles for Seeded Lithium Deposition. Nano Letters, 2019, 19, 4601-4607.	4.5	75
16	Cyclized-polyacrylonitrile modified carbon nanofiber interlayers enabling strong trapping of polysulfides in lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2016, 4, 12973-12980.	5.2	64
17	Electrospun Nâ€Doped Hierarchical Porous Carbon Nanofiber with Improved Degree of Graphitization for Highâ€Performance Lithium Ion Capacitor. Chemistry - A European Journal, 2018, 24, 10460-10467.	1.7	55
18	Electrosprayed multiscale porous carbon microspheres as sulfur hosts for long-life lithium-sulfur batteries. Carbon, 2019, 141, 16-24.	5.4	54

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19	Large Polarization of Li₄Ti₅O₁₂ Lithiated to 0 V at Large Charge/Discharge Rates. ACS Applied Materials & Interfaces, 2016, 8, 18788-18796.	4.0	51
20	A scalable slurry process to fabricate a 3D lithiophilic and conductive framework for a high performance lithium metal anode. Journal of Materials Chemistry A, 2019, 7, 13225-13233.	5.2	49
21	Basal Nanosuit of Graphite for High-Energy Hybrid Li Batteries. ACS Nano, 2020, 14, 1837-1845.	7.3	40
22	Facile Synthesis of Antâ€Nestâ€Like Porous Duplex Copper as Deeply Cycling Host for Lithium Metal Anodes. Small, 2020, 16, e2001784.	5.2	33
23	A biscuit-like separator enabling high performance lithium batteries by continuous and protected releasing of NO3â^' in carbonate electrolyte. Energy Storage Materials, 2020, 24, 229-236.	9.5	31
24	Simultaneously Homogenized Electric Field and Ionic Flux for Reversible Ultrahigh-Areal-Capacity Li Deposition. Nano Letters, 2020, 20, 5662-5669.	4.5	29
25	Horizontal Stress Release for Protuberanceâ€Free Li Metal Anode. Advanced Functional Materials, 2020, 30, 2002522.	7.8	22
26	Promoting the reversibility of lithium ion/lithium metal hybrid graphite anode by regulating solid electrolyte interface. Nano Energy, 2021, 90, 106510.	8.2	20
27	Dendrite-free lithium deposition enabled by a vertically aligned graphene pillar architecture. Carbon, 2021, 185, 152-160.	5.4	14
28	Electrosprayed Robust Graphene Layer Constructing Ultrastable Electrode Interface for High-Voltage Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 37034-37046.	4.0	13
29	Gradient Structure Design of a Floatable Host for Preferential Lithium Deposition. Nano Letters, 2021, 21, 10252-10259.	4.5	10
30	Synthesis design of a 3D interfacial structure for highly reversible lithium deposition. Journal of Materials Chemistry A, 2021, 9, 25004-25012.	5.2	6