

Xianying Qin

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,594
citations

257357

24
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454834

30
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31
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31
docs citations

31
times ranked

3717
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Eutectic Solvents for Boosting Electrochemical Energy Storage and Conversion: A Review and Perspective. <i>Advanced Functional Materials</i> , 2021, 31, 2011102.	7.8	172
2	Dendrite-free lithium deposition enabled by a vertically aligned graphene pillar architecture. <i>Carbon</i> , 2021, 185, 152-160.	5.4	14
3	Promoting the reversibility of lithium ion/lithium metal hybrid graphite anode by regulating solid electrolyte interface. <i>Nano Energy</i> , 2021, 90, 106510.	8.2	20
4	Synthesis design of a 3D interfacial structure for highly reversible lithium deposition. <i>Journal of Materials Chemistry A</i> , 2021, 9, 25004-25012.	5.2	6
5	Gradient Structure Design of a Floatable Host for Preferential Lithium Deposition. <i>Nano Letters</i> , 2021, 21, 10252-10259.	4.5	10
6	A biscuit-like separator enabling high performance lithium batteries by continuous and protected releasing of NO ₃ ⁻ in carbonate electrolyte. <i>Energy Storage Materials</i> , 2020, 24, 229-236.	9.5	31
7	Horizontal Stress Release for Protuberance-Free Li Metal Anode. <i>Advanced Functional Materials</i> , 2020, 30, 2002522.	7.8	22
8	Simultaneously Homogenized Electric Field and Ionic Flux for Reversible Ultrahigh-Areal-Capacity Li Deposition. <i>Nano Letters</i> , 2020, 20, 5662-5669.	4.5	29
9	Electrosprayed Robust Graphene Layer Constructing Ultrastable Electrode Interface for High-Voltage Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 37034-37046.	4.0	13
10	Facile Synthesis of Ant-Nest-Like Porous Duplex Copper as Deeply Cycling Host for Lithium Metal Anodes. <i>Small</i> , 2020, 16, e2001784.	5.2	33
11	Basal Nanosuit of Graphite for High-Energy Hybrid Li Batteries. <i>ACS Nano</i> , 2020, 14, 1837-1845.	7.3	40
12	Advanced Matrixes for Binder-Free Nanostructured Electrodes in Lithium-Ion Batteries. <i>Advanced Materials</i> , 2020, 32, e1908445.	11.1	108
13	Oxygen and nitrogen co-doped porous carbon granules enabling dendrite-free lithium metal anode. <i>Energy Storage Materials</i> , 2019, 18, 320-327.	9.5	102
14	Ultrafine Titanium Nitride Sheath Decorated Carbon Nanofiber Network Enabling Stable Lithium Metal Anodes. <i>Advanced Functional Materials</i> , 2019, 29, 1903229.	7.8	112
15	In-Plane Highly Dispersed Cu ₂ O Nanoparticles for Seeded Lithium Deposition. <i>Nano Letters</i> , 2019, 19, 4601-4607.	4.5	75
16	Review of Recent Development of In Situ/Operando Characterization Techniques for Lithium Battery Research. <i>Advanced Materials</i> , 2019, 31, e1806620.	11.1	390
17	A scalable slurry process to fabricate a 3D lithiophilic and conductive framework for a high performance lithium metal anode. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13225-13233.	5.2	49
18	Electrosprayed multiscale porous carbon microspheres as sulfur hosts for long-life lithium-sulfur batteries. <i>Carbon</i> , 2019, 141, 16-24.	5.4	54

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19	An interwoven MoO ₃ @CNT scaffold interlayer for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8612-8619.	5.2	141
20	Electrosprayed porous Fe ₃ O ₄ /carbon microspheres as anode materials for high-performance lithium-ion batteries. <i>Nano Research</i> , 2018, 11, 892-904.	5.8	110
21	Electrospun N-Doped Hierarchical Porous Carbon Nanofiber with Improved Degree of Graphitization for High-Performance Lithium Ion Capacitor. <i>Chemistry - A European Journal</i> , 2018, 24, 10460-10467.	1.7	55
22	Fe ₃ O ₄ -Decorated Porous Graphene Interlayer for High-Performance Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 26264-26273.	4.0	117
23	Advances in Understanding Materials for Rechargeable Lithium Batteries by Atomic Force Microscopy. <i>Energy and Environmental Materials</i> , 2018, 1, 28-40.	7.3	80
24	Suppressing Self-Discharge and Shuttle Effect of Lithium-Sulfur Batteries with V ₂ O ₅ -Decorated Carbon Nanofiber Interlayer. <i>Small</i> , 2017, 13, 1602539.	5.2	190
25	Recent innovative configurations in high-energy lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5222-5234.	5.2	115
26	Large Polarization of Li ₄ Ti ₅ O ₁₂ Lithiated to 0 V at Large Charge/Discharge Rates. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 18788-18796.	4.0	51
27	Ultrafine TiO ₂ Decorated Carbon Nanofibers as Multifunctional Interlayer for High-Performance Lithium-Sulfur Battery. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 23105-23113.	4.0	200
28	Cyclized-polyacrylonitrile modified carbon nanofiber interlayers enabling strong trapping of polysulfides in lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12973-12980.	5.2	64
29	Electrospun core-shell silicon/carbon fibers with an internal honeycomb-like conductive carbon framework as an anode for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7112-7120.	5.2	99
30	Investigation of cyano resin-based gel polymer electrolyte: in situ gelation mechanism and electrode-electrolyte interfacial fabrication in lithium-ion battery. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20059-20066.	5.2	92