Ya You

List of Publications by Year
in descending order

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Version: 2024-02-01

45 papers	7,772 citations	94381 37 h-index	243529 44 g-index
45 all docs	45 docs citations	45 times ranked	8386 citing authors

#	Article	IF	Citations
1	High-quality Prussian blue crystals as superior cathode materials for room-temperature sodium-ion batteries. Energy and Environmental Science, 2014, 7, 1643-1647.	15.6	852
2	Layered Oxide Cathodes for Sodiumâ€Ion Batteries: Phase Transition, Air Stability, and Performance. Advanced Energy Materials, 2018, 8, 1701912.	10.2	519
3	Rice husk-derived hierarchical silicon/nitrogen-doped carbon/carbon nanotube spheres as low-cost and high-capacity anodes for lithium-ion batteries. Nano Energy, 2016, 25, 120-127.	8.2	454
4	Suppressing the P2â€“O2 Phase Transition of Na_{0.67}Mn_{0.67}Ni_{0.33}O₂ by Magnesium Substitution for Improved Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2016, 55, 7445-7449.	7.2	439
5	Photocatalytic CO₂ Reduction by Carbon-Coated Indium-Oxide Nanobelts. Journal of the American Chemical Society, 2017, 139, 4123-4129.	6.6	434
6	Subzeroâ€Temperature Cathode for a Sodiumâ€Ion Battery. Advanced Materials, 2016, 28, 7243-7248.	11.1	406
7	Progress in Highâ€Voltage Cathode Materials for Rechargeable Sodiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1701785.	10.2	371
8	Ion-Catalyzed Synthesis of Microporous Hard Carbon Embedded with Expanded Nanographite for Enhanced Lithium/Sodium Storage. Journal of the American Chemical Society, 2016, 138, 14915-14922.	6.6	360
9	Solid-State Lithium Metal Batteries Promoted by Nanotechnology: Progress and Prospects. ACS Energy Letters, 2017, 2, 1385-1394.	8.8	314
10	Sodium iron hexacyanoferrate with high Na content as a Na-rich cathode material for Na-ion batteries. Nano Research, 2015, 8, 117-128.	5.8	292
11	Materials Design for Highâ€Safety Sodiumâ€Ion Battery. Advanced Energy Materials, 2021, 11, 2000974.	10.2	282
12	Modified Highâ€Nickel Cathodes with Stable Surface Chemistry Against Ambient Air for Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2018, 57, 6480-6485.	7.2	234
13	A zero-strain insertion cathode material of nickel ferricyanide for sodium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 14061.	5.2	206
14	An O3-type NaNi_{0.5}Mn_{0.5}O₂cathode for sodium-ion batteries with improved rate performance and cycling stability. Journal of Materials Chemistry A, 2016, 4, 17660-17664.	5.2	185
15	Nickel-Doped La_{0.8}Sr_{0.2}Mn_{1â€“x}Ni_xO₃ Nanoparticles Containing Abundant Oxygen Vacancies as an Optimized Bifunctional Catalyst for Oxygen Cathode in Rechargeable Lithiumâ€“Air Batteries. ACS Applied Materials & Interfaces, 2016, 8, 6520-6528.	4.0	176
16	Combining Nitrogenâ€Doped Graphene Sheets and MoS₂: A Unique Filmâ€“Foamâ€“Film Structure for Enhanced Lithium Storage. Angewandte Chemie - International Edition, 2016, 55, 12783-12788.	7.2	172
17	Long-Term Cyclability of NCM-811 at High Voltages in Lithium-Ion Batteries: an In-Depth Diagnostic Study. Chemistry of Materials, 2020, 32, 7796-7804.	3.2	152
18	The Electrochemistry with Lithium versus Sodium of Selenium Confined To Slit Micropores in Carbon. Nano Letters, 2016, 16, 4560-4568.	4.5	140

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19	Understanding the Air-Exposure Degradation Chemistry at a Nanoscale of Layered Oxide Cathodes for Sodium-Ion Batteries. Nano Letters, 2019, 19, 182-188.	4.5	122
20	Hierarchically micro/mesoporous activated graphene with a large surface area for high sulfur loading in Liâ€“S batteries. Journal of Materials Chemistry A, 2015, 3, 4799-4802.	5.2	121
21	Polyanthraquinone-Triazineâ€”A Promising Anode Material for High-Energy Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 37023-37030.	4.0	106
22	Polymer lithium-garnet interphase for an all-solid-state rechargeable battery. Nano Energy, 2018, 53, 926-931.	8.2	103
23	Nitrogen-Doped Perovskite as a Bifunctional Cathode Catalyst for Rechargeable Lithiumâ€“Oxygen Batteries. ACS Applied Materials & Interfaces, 2018, 10, 5543-5550.	4.0	100
24	Highly Crystallized Prussian Blue with Enhanced Kinetics for Highly Efficient Sodium Storage. ACS Applied Materials & Interfaces, 2021, 13, 3999-4007.	4.0	98
25	Li-Ion Conduction and Stability of Perovskite Li_{3/8}Sr_{7/16}Hf_{1/4}Ta_{3/4}O₃. ACS Applied Materials & Interfaces, 2016, 8, 14552-14557.	4.0	89
26	A Honeycombâ€Layered Oxide Cathode for Sodiumâ€Ion Batteries with Suppressed P3â€“O1 Phase Transition. Advanced Energy Materials, 2017, 7, 1601698.	10.2	87
27	Facile Synthesis of Carbon-Coated Spinel Li₄Ti₅O₁₂/Rutile-TiO₂ Composites as an Improved Anode Material in Full Lithium-Ion Batteries with LiFePO₄@N-Doped Carbon Cathode. ACS Applied Materials & Interfaces, 2017, 9, 6138-6143.	4.0	86
28	Suppressing the P2â€“O2 Phase Transition of Na_{0.67}Mn_{0.67}Ni_{0.33}O₂ by Magnesium Substitution for Improved Sodiumâ€Ion Batteries. Angewandte Chemie, 2016, 128, 7571-7575.	1.6	84
29	Strategies for improving the storage performance of silicon-based anodes in lithium-ion batteries. Nano Research, 2019, 12, 1739-1749.	5.8	79
30	Enhanced Visible-Light-Driven Photocatalytic H₂ Evolution from Water on Noble-Metal-Free CdS-Nanoparticle-Dispersed Mo₂C@C Nanospheres. ACS Sustainable Chemistry and Engineering, 2017, 5, 5449-5456.	3.2	77
31	Rechargeable dual-metal-ion batteries for advanced energy storage. Physical Chemistry Chemical Physics, 2016, 18, 9326-9333.	1.3	76
32	A Highâ€Capacity Tellurium@Carbon Anode Material for Lithiumâ€Ion Batteries. Energy Technology, 2014, 2, 757-762.	1.8	66
33	Selective CO Evolution from Photoreduction of CO₂ on a Metal-Carbide-Based Composite Catalyst. Journal of the American Chemical Society, 2018, 140, 13071-13077.	6.6	65
34	Graphene Sandwiched by Sulfur-Confined Mesoporous Carbon Nanosheets: A Kinetically Stable Cathode for Liâ€“S Batteries. ACS Applied Materials & Interfaces, 2016, 8, 33704-33711.	4.0	56
35	Conductive Carbon Network inside a Sulfur-Impregnated Carbon Sponge: A Bioinspired High-Performance Cathode for Liâ€“S Battery. ACS Applied Materials & Interfaces, 2016, 8, 22261-22269.	4.0	54
36	Builtâ€in Carbon Nanotube Network inside a Biomassâ€Derived Hierarchically Porous Carbon to Enhance the Performance of the Sulfur Cathode in a Liâ€S Battery. ChemNanoMat, 2016, 2, 712-718.	1.5	52

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37	Combining Nitrogenâ€Doped Graphene Sheets and MoS₂: A Unique Filmâ€“Foamâ€“Film Structure for Enhanced Lithium Storage. Angewandte Chemie, 2016, 128, 12975-12980.	1.6	44
38	Insights into the Improved Chemical Stability against Water of LiF-Incorporated Layered Oxide Cathodes for Sodium-Ion Batteries. , 2019, 1, 89-95.		39
39	Modified Highâ€Nickel Cathodes with Stable Surface Chemistry Against Ambient Air for Lithiumâ€Ion Batteries. Angewandte Chemie, 2018, 130, 6590-6595.	1.6	38
40	Improving the Performance of Hard Carbon//Na₃V₂O₂(PO₄)₂F Sodium-Ion Full Cells by Utilizing the Adsorption Process of Hard Carbon. ACS Applied Materials & Interfaces, 2018, 10, 16581-16587.	4.0	37
41	Understanding the structural evolution and Na+ kinetics in honeycomb-ordered Oâ€²3-Na3Ni2SbO6 cathodes. Nano Research, 2018, 11, 3258-3271.	5.8	35
42	High-Capacity and Long-Cycle Life Aqueous Rechargeable Lithium-Ion Battery with the FePO₄ Anode. ACS Applied Materials & Interfaces, 2018, 10, 7061-7068.	4.0	34
43	Organic Solvothermal Method Promoted Monoclinic Prussian Blue as a Superior Cathode for Na-Ion Batteries. ACS Applied Energy Materials, 2022, 5, 6927-6935.	2.5	15
44	Improving Sodium Storage Performance of Hard Carbon Anodes in Cyclic Ether Electrolytes by an Anion Receptor Additive. Journal of the Electrochemical Society, 2022, 169, 020561.	1.3	11
45	Polycrystalline Prussian White Aggregates as a High-Rate and Long-Life Cathode for High-Temperature Sodium-Ion Batteries. ACS Applied Energy Materials, 2022, 5, 8123-8131.	2.5	10