

Wenhao Ren

List of Publications by Year in descending order

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53
papers

4,584
citations

116194

36
h-index

206121

51
g-index

53
all docs

53
docs citations

53
times ranked

6509
citing authors

#	ARTICLE	IF	CITATIONS
1	Isolated Diatomic Ni-Fe Metal-Nitrogen Sites for Synergistic Electroreduction of CO ₂ . <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6972-6976.	7.2	707
2	General synthesis of complex nanotubes by gradient electrospinning and controlled pyrolysis. <i>Nature Communications</i> , 2015, 6, 7402.	5.8	370
3	Modulating electric field distribution by alkali cations for CO ₂ electroreduction in strongly acidic medium. <i>Nature Catalysis</i> , 2022, 5, 268-276.	16.1	248
4	Self-sacrificed synthesis of three-dimensional Na ₃ V ₂ (PO ₄) ₃ nanofiber network for high-rate sodium-ion full batteries. <i>Nano Energy</i> , 2016, 25, 145-153.	8.2	230
5	Activation of Sodium Storage Sites in Prussian Blue Analogues via Surface Etching. <i>Nano Letters</i> , 2017, 17, 4713-4718.	4.5	225
6	Defect-Rich Soft Carbon Porous Nanosheets for Fast and High-Capacity Sodium-Ion Storage. <i>Advanced Energy Materials</i> , 2019, 9, 1803260.	10.2	214
7	Alkaline earth metal vanadates as sodium-ion battery anodes. <i>Nature Communications</i> , 2017, 8, 460.	5.8	136
8	Ultrafast Aqueous Potassium-Ion Batteries Cathode for Stable Intermittent Grid-Scale Energy Storage. <i>Advanced Energy Materials</i> , 2018, 8, 1801413.	10.2	136
9	Prussian White Hierarchical Nanotubes with Surface-Controlled Charge Storage for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2019, 29, 1806405.	7.8	124
10	Isolated copper-tin atomic interfaces tuning electrocatalytic CO ₂ conversion. <i>Nature Communications</i> , 2021, 12, 1449.	5.8	119
11	Highly Crystallized Prussian Blue with Enhanced Kinetics for Highly Efficient Sodium Storage. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3999-4007.	4.0	98
12	Sulfur-Dopant-Promoted Electroreduction of CO ₂ over Coordinatively Unsaturated Ni-N ₂ Moieties. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23342-23348.	7.2	98
13	Cathodic polarization suppressed sodium-ion full cell with a 3.3 V high-voltage. <i>Nano Energy</i> , 2016, 28, 216-223.	8.2	97
14	Surface Reconstruction of Ultrathin Palladium Nanosheets during Electrocatalytic CO ₂ Reduction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21493-21498.	7.2	97
15	Emerging Prototype Sodium-Ion Full Cells with Nanostructured Electrode Materials. <i>Small</i> , 2017, 13, 1604181.	5.2	96
16	Nitrogen Vacancy Induced Coordinative Reconstruction of Single-Atom Ni Catalyst for Efficient Electrochemical CO ₂ Reduction. <i>Advanced Functional Materials</i> , 2021, 31, 2107072.	7.8	89
17	Phosphorus Enhanced Intermolecular Interactions of SnO ₂ and Graphene as an Ultrastable Lithium Battery Anode. <i>Small</i> , 2017, 13, 1603973.	5.2	87
18	Realizing Superior Prussian Blue Positive Electrode for Potassium Storage via Ultrathin Nanosheet Assembly. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11564-11570.	3.2	87

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19	Nonhierarchical Heterostructured Fe ₂ O ₃ /Mn ₂ O ₃ Porous Hollow Spheres for Enhanced Lithium Storage. <i>Small</i> , 2018, 14, e1800659.	5.2	83
20	Acetylene Black Induced Heterogeneous Growth of Macroporous CoV ₂ O ₆ Nanosheet for High-Rate Pseudocapacitive Lithium-Ion Battery Anode. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 7139-7146.	4.0	81
21	Thermal Induced Strain Relaxation of 1D Iron Oxide for Solid Electrolyte Interphase Control and Lithium Storage Improvement. <i>Advanced Energy Materials</i> , 2017, 7, 1601582.	10.2	73
22	3.0 V High Energy Density Symmetric Sodium-Ion Battery: Na ₄ V ₂ (PO ₄) ₃ ~Na ₃ V ₂ (PO ₄) ₃ . <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10022-10028.	4.6	73
23	Carbon-based catalysts for electrochemical CO ₂ reduction. <i>Sustainable Energy and Fuels</i> , 2019, 3, 2890-2906.	2.5	67
24	Isolated Diatomic Ni-Fe Metal-Nitrogen Sites for Synergistic Electroreduction of CO ₂ . <i>Angewandte Chemie</i> , 2019, 131, 7046-7050.	1.6	65
25	An electrospun hierarchical LiV ₃ O ₈ nanowire-in-network for high-rate and long-life lithium batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 19850-19856.	5.2	61
26	Ultrahigh Areal Capacity Hydrogen-Ion Batteries with MoO ₃ Loading Over 90 mg cm ⁻² . <i>Advanced Functional Materials</i> , 2020, 30, 2005477.	7.8	57
27	Electronic Regulation of Nickel Single Atoms by Confined Nickel Nanoparticles for Energy-Efficient CO ₂ Electroreduction. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	57
28	Confinement of Ionic Liquids at Single-Ni-Sites Boost Electroreduction of CO ₂ in Aqueous Electrolytes. <i>ACS Catalysis</i> , 2020, 10, 13171-13178.	5.5	54
29	Metal-Sulfur Linkages Achieved by Organic Tethering of Ruthenium Nanocrystals for Enhanced Electrochemical Nitrogen Reduction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21465-21469.	7.2	52
30	Synergistic bimetallic CoFe ₂ O ₄ clusters supported on graphene for ambient electrocatalytic reduction of nitrogen to ammonia. <i>Chemical Communications</i> , 2019, 55, 12184-12187.	2.2	50
31	Paths towards enhanced electrochemical CO ₂ reduction. <i>National Science Review</i> , 2020, 7, 7-9.	4.6	47
32	(N, B) Dual Heteroatom-Doped Hierarchical Porous Carbon Framework for Efficient Electroreduction of Carbon Dioxide. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 6003-6010.	3.2	45
33	Vanadium hexacyanoferrate as high-capacity cathode for fast proton storage. <i>Chemical Communications</i> , 2020, 56, 11803-11806.	2.2	43
34	Defective Indium/Indium Oxide Heterostructures for Highly Selective Carbon Dioxide Electrocatalysis. <i>Inorganic Chemistry</i> , 2020, 59, 12437-12444.	1.9	40
35	Two-Phase Electrochemical Proton Transport and Storage in Î±-MoO ₃ for Proton Batteries. <i>Cell Reports Physical Science</i> , 2020, 1, 100225.	2.8	40
36	Nanostructured amalgams with tuneable silver-mercury bonding sites for selective electroreduction of carbon dioxide into formate and carbon monoxide. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15907-15912.	5.2	37

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37	Surface Reconstruction of Ultrathin Palladium Nanosheets during Electrocatalytic CO ₂ Reduction. <i>Angewandte Chemie</i> , 2020, 132, 21677-21682.	1.6	37
38	Water-Sugar Electrolytes Enable Ultrafast and Stable Electrochemical Naked Proton Storage. <i>Small</i> , 2021, 17, e2102375.	5.2	33
39	In operando observation of temperature-dependent phase evolution in lithium-incorporation olivine cathode. <i>Nano Energy</i> , 2016, 22, 406-413.	8.2	31
40	Thermally Activated Multilayered Carbon Cloth as Flexible Supercapacitor Electrode Material with Significantly Enhanced Areal Energy Density. <i>ChemElectroChem</i> , 2019, 6, 1768-1775.	1.7	31
41	Electroreduction of low concentration CO ₂ at atomically dispersed Ni-N-C catalysts with nanoconfined ionic liquids. <i>Applied Catalysis B: Environmental</i> , 2022, 304, 120963.	10.8	29
42	Novel layered Li ₃ V ₂ (PO ₄) ₃ /rGO&C sheets as high-rate and long-life lithium ion battery cathodes. <i>Chemical Communications</i> , 2016, 52, 8730-8732.	2.2	27
43	Shock Exfoliation of Graphene Fluoride in Microwave. <i>Small</i> , 2020, 16, e1903397.	5.2	20
44	The Capturing of Ionized Oxygen in Sodium Vanadium Oxide Nanorods Cathodes under Operando Conditions. <i>Advanced Functional Materials</i> , 2016, 26, 6555-6562.	7.8	18
45	In Operando Probing of Sodium-Incorporation in NASICON Nanomaterial: Asymmetric Reaction and Electrochemical Phase Diagram. <i>Chemistry of Materials</i> , 2017, 29, 8057-8064.	3.2	18
46	Gram-scale synthesis of single-atom metal-N-CNT catalysts for highly efficient CO ₂ electroreduction. <i>Chemical Communications</i> , 2021, 57, 1514-1517.	2.2	15
47	Microwave-assisted shock synthesis of diverse ultrathin graphene-derived materials. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1433-1439.	3.2	13
48	Sulfur-Dopant-Promoted Electroreduction of CO ₂ over Coordinatively Unsaturated Ni ₂ Moieties. <i>Angewandte Chemie</i> , 0, , .	1.6	9
49	Electronic Regulation of Nickel Single Atoms by Confined Nickel Nanoparticles for Energy-Efficient CO ₂ Electroreduction. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	9
50	Flash-assisted doping graphene for ultrafast potassium transport. <i>Nano Research</i> , 2022, 15, 4083-4090.	5.8	6
51	Metal-Sulfur Linkages Achieved by Organic Tethering of Ruthenium Nanocrystals for Enhanced Electrochemical Nitrogen Reduction. <i>Angewandte Chemie</i> , 2020, 132, 21649-21653.	1.6	3
52	Atom probe specimen preparation methods for nanoparticles. <i>Ultramicroscopy</i> , 2022, 233, 113420.	0.8	2
53	Cycling-Stable Cathodes: The Capturing of Ionized Oxygen in Sodium Vanadium Oxide Nanorods Cathodes under Operando Conditions (<i>Adv. Funct. Mater.</i> 36/2016). <i>Advanced Functional Materials</i> , 2016, 26, 6498-6498.	7.8	0