

# Yunjun Ruan

## List of Publications by Year in descending order

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44  
papers

4,220  
citations

147726  
31  
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265120  
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44  
all docs

44  
docs citations

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times ranked

5911  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen- and oxygen-doped carbon with abundant micropores derived from biomass waste for all-solid-state flexible supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 1088-1099.	5.0	67
2	Carbon-coated Vanadium Oxide Nanoflowers with $K^{+}$ Ions Pre-embedding as a High-rate Cathode for Zinc-ion Batteries. <i>ChemNanoMat</i> , 2022, 8, .	1.5	8
3	NiS Nanoflake-Coated Carbon Nanofiber Electrodes for Supercapacitors. <i>ACS Applied Nano Materials</i> , 2022, 5, 6192-6200.	2.4	37
4	Designing a carbon nanofiber-encapsulated iron carbide anode and nickel-cobalt sulfide-decorated carbon nanofiber cathode for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2022, 621, 139-148.	5.0	31
5	Charge localization to optimize reactant adsorption on $KCu_7S_4/CuO$ interfacial structure toward selective $CO_2$ electroreduction. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120531.	10.8	25
6	Morphological modulation of $NiCo_2Se_4$ nanotubes through hydrothermal selenization for asymmetric supercapacitor. <i>Electrochimica Acta</i> , 2020, 356, 136837.	2.6	78
7	Unraveling the high-activity nature of $Fe-N-C$ electrocatalysts for the oxygen reduction reaction: the extraordinary synergy between $Fe-N_4$ and $Fe_4N$ . <i>Journal of Materials Chemistry A</i> , 2019, 7, 11792-11801.	5.2	84
8	Tailoring the electrocatalytic activity of bimetallic nickel-iron diselenide hollow nanochains for water oxidation. <i>Nano Energy</i> , 2018, 47, 275-284.	8.2	116
9	Engineering phosphorus-doped $LaFeO_3$ perovskite oxide as robust bifunctional oxygen electrocatalysts in alkaline solutions. <i>Nano Energy</i> , 2018, 47, 199-209.	8.2	202
10	In situ nitrogen-doped helical mesoporous carbonaceous nanotubes for superior-high lithium anodic performance. <i>Carbon</i> , 2018, 130, 599-606.	5.4	30
11	Mutually beneficial $Co_3O_4@MoS_2$ heterostructures as a highly efficient bifunctional catalyst for electrochemical overall water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2067-2072.	5.2	178
12	A Universal Method to Engineer Metal Oxide-Metal-Carbon Interface for Highly Efficient Oxygen Reduction. <i>ACS Nano</i> , 2018, 12, 3042-3051.	7.3	125
13	Water-Activated $VOPO_4$ for Magnesium Ion Batteries. <i>Nano Letters</i> , 2018, 18, 6441-6448.	4.5	127
14	Stabilizing the oxygen vacancies and promoting water-oxidation kinetics in cobalt oxides by lower valence-state doping. <i>Nano Energy</i> , 2018, 53, 144-151.	8.2	114
15	Nickel-iron diselenide hollow nanoparticles with strongly hydrophilic surface for enhanced oxygen evolution reaction activity. <i>Electrochimica Acta</i> , 2018, 286, 172-178.	2.6	51
16	$ZnFe_2O_4$ -nanocrystal-assembled microcages as an anode material for high performance lithium-ion batteries. <i>Materials Today Energy</i> , 2017, 3, 1-8.	2.5	30
17	Understanding the electrochemical activation behavior of $Co(OH)_2$ nanotubes during the ion-exchange process. <i>Materials Today Energy</i> , 2017, 4, 122-131.	2.5	25
18	Honeycomb-inspired design of ultrafine $SnO_2@C$ nanospheres embedded in carbon film as anode materials for high performance lithium- and sodium-ion battery. <i>Journal of Power Sources</i> , 2017, 359, 340-348.	4.0	125

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19	Al-doped $\text{I}^2\text{-NiS}$ Mesoporous Nanoflowers for Hybrid-type Electrodes toward Enhanced Electrochemical Performance. <i>Electrochimica Acta</i> , 2017, 236, 307-318.	2.6	58
20	Hierarchical $\text{NiCo}_2\text{S}_4\text{@NiFe}$ LDH Heterostructures Supported on Nickel Foam for Enhanced Overall-Water-Splitting Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 15364-15372.	4.0	468
21	Ni nanoparticles@ $\text{Ni}^{\text{II}}$ Mo nitride nanorod arrays: a novel 3D-network hierarchical structure for high areal capacitance hybrid supercapacitors. <i>Nanoscale</i> , 2017, 9, 18032-18041.	2.8	59
22	Construction of (Ni, Cu) $\text{Se}_2\text{/Reduced Graphene Oxide}$ for High Energy Density Asymmetric Supercapacitor. <i>ChemElectroChem</i> , 2017, 4, 3004-3010.	1.7	28
23	Controllable growth of NiSe nanorod arrays via one-pot hydrothermal method for high areal-capacitance supercapacitors. <i>Electrochimica Acta</i> , 2017, 250, 327-334.	2.6	94
24	Construction of $\text{MoO}_2$ Quantum Dot@Graphene and $\text{MoS}_2$ Nanoparticle@Graphene Nanoarchitectures toward Ultrahigh Lithium Storage Capability. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 28441-28450.	4.0	38
25	Interface engineering: The $\text{Ni(OH)}_2/\text{MoS}_2$ heterostructure for highly efficient alkaline hydrogen evolution. <i>Nano Energy</i> , 2017, 37, 74-80.	8.2	436
26	Charging/Discharging Dynamics in Two-Dimensional Titanium Carbide (MXene) Slit Nanopore: Insights from molecular dynamic study. <i>Electrochimica Acta</i> , 2016, 196, 75-83.	2.6	59
27	Intercalation of Glucose in NiMn-Layered Double Hydroxide Nanosheets: an Effective Path Way towards Battery-type Electrodes with Enhanced Performance. <i>Electrochimica Acta</i> , 2016, 216, 35-43.	2.6	98
28	Nanostructured Ni compounds as electrode materials towards high-performance electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14509-14538.	5.2	95
29	Probing the electrochemical capacitance of MXene nanosheets for high-performance pseudocapacitors. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 4460-4467.	1.3	65
30	Rapid self-assembly of porous square rod-like nickel persulfide via a facile solution method for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2016, 301, 122-130.	4.0	123
31	Different charge-storage mechanisms in disulfide vanadium and vanadium carbide monolayer. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9909-9914.	5.2	76
32	Nickel Sulfide Nanoparticles Synthesized by Microwave-assisted Method as Promising Supercapacitor Electrodes: An Experimental and Computational Study. <i>Electrochimica Acta</i> , 2015, 182, 361-367.	2.6	99
33	Hierarchical Configuration of $\text{NiCo}_2\text{S}_4$ Nanotube@ $\text{Ni}^{\text{II}}$ Mn Layered Double Hydroxide Arrays/Three-Dimensional Graphene Sponge as Electrode Materials for High-Capacitance Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 15840-15847.	4.0	214
34	Hollow spiny shell of porous $\text{Ni}^{\text{II}}$ Mn oxides: A facile synthesis route and their application as electrode in supercapacitors. <i>Journal of Power Sources</i> , 2015, 286, 66-72.	4.0	28
35	One-Pot Fabrication of Layered $\text{Ni}^{\text{II}}$ Phase...Nickel@Cobalt Hydroxides as Advanced Electrode Materials for Pseudocapacitors. <i>ChemPlusChem</i> , 2015, 80, 181-187.	1.3	39
36	Supercapacitors: Direct Formation of Hedgehog-Like Hollow Ni-Mn Oxides and Sulfides for Supercapacitor Electrodes (Part. Part. Syst. Charact. 8/2014). <i>Particle and Particle Systems Characterization</i> , 2014, 31, 814-814.	1.2	1

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37	Activation Mechanism Study of Dandelion-Like $\text{Co}_9\text{S}_8$ Nanotubes in Supercapacitors. <i>Journal of the Electrochemical Society</i> , 2014, 161, A996-A1000.	1.3	53
38	Direct Formation of Hedgehog-Like Hollow $\text{Ni-Mn}$ Oxides and Sulfides for Supercapacitor Electrodes. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 857-862.	1.2	50
39	Cobalt sulfide nanotube arrays grown on FTO and graphene membranes for high-performance supercapacitor application. <i>Applied Surface Science</i> , 2014, 311, 793-798.	3.1	16
40	Hydrothermal synthesis of cobalt sulfide nanotubes: The size control and its application in supercapacitors. <i>Journal of Power Sources</i> , 2013, 243, 396-402.	4.0	193
41	Rapid microwave-assisted synthesis $\text{NiMoO}_4 \cdot \text{H}_2\text{O}$ nanoclusters for supercapacitors. <i>Materials Letters</i> , 2013, 108, 164-167.	1.3	89
42	$\text{NiCo}_2\text{S}_4$ porous nanotubes synthesis via sacrificial templates: high-performance electrode materials of supercapacitors. <i>CrystEngComm</i> , 2013, 15, 7649.	1.3	285
43	Unravelling the High-Activity Nature of Fe-N-C Electrocatalysts for Oxygen Reduction Reaction: The Extraordinary Synergy between Fe-N <sub>x</sub> and Fe <sub>4</sub> N. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
44	Facile synthesis of pure $\text{Na}_3\text{V}_2(\text{PO}_4)_3$ powder via a two-stage carbothermal reduction strategy. <i>Journal of Sol-Gel Science and Technology</i> , 0, , 1.	1.1	3