

# Yun Qiao

## List of Publications by Year in descending order

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38  
papers

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186265  
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times ranked

3302  
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#	ARTICLE	IF	CITATIONS
1	Advanced Characterization Techniques Paving the Way for Commercialization of Low-Cost Prussian Blue Analog Cathodes. <i>Advanced Functional Materials</i> , 2022, 32, 2108616.	14.9	35
2	Ball Milling Solid-State Synthesis of Highly Crystalline Prussian Blue Analogue $\text{Na}_{2-x}\text{MnFe}(\text{CN})_6$ Cathodes for All-Climate Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	53
3	$\text{Na}_{1.51}\text{Fe}[\text{Fe}(\text{CN})_6]_{0.87} \cdot 1.83\text{H}_2\text{O}$ Hollow Nanospheres via Non-Aqueous Ball-Milling Route to Achieve High Initial Coulombic Efficiency and High Rate Capability in Sodium-Ion Batteries. <i>Small Methods</i> , 2022, 6, .	8.6	15
4	Manipulating metal-sulfur interactions for achieving high-performance S cathodes for room temperature Li/Na-sulfur batteries. , 2021, 3, 253-270.		37
5	Continuous Fly-Through High-Temperature Synthesis of Nanocatalysts. <i>Nano Letters</i> , 2021, 21, 4517-4523.	9.1	13
6	Binders for sodium-ion batteries: progress, challenges and strategies. <i>Chemical Communications</i> , 2021, 57, 12406-12416.	4.1	26
7	Three-Dimensional Superlithiophilic Interphase for Dendrite-Free Lithium Metal Anodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 5767-5774.	8.0	36
8	Thermal Shock Synthesis of Nanocatalyst by 3D-Printed Miniaturized Reactors. <i>Small</i> , 2020, 16, e2000509.	10.0	21
9	Construction of robust coupling interface between $\text{MoS}_2$ and nitrogen doped graphene for high performance sodium ion batteries. <i>Journal of Energy Chemistry</i> , 2020, 48, 435-442.	12.9	26
10	Thermal Radiation Synthesis of Ultrafine Platinum Nanoclusters toward Methanol Oxidation. <i>Small Methods</i> , 2020, 4, 2000265.	8.6	16
11	A Heterostructure Coupling of Bioinspired, Adhesive Polydopamine, and Porous Prussian Blue Nanocubics as Cathode for High-Performance Sodium-Ion Battery. <i>Small</i> , 2020, 16, e1906946.	10.0	57
12	Synergistic effect of bifunctional catalytic sites and defect engineering for high-performance $\text{Li-CO}_2$ batteries. <i>Energy Storage Materials</i> , 2020, 27, 133-139.	18.0	77
13	Rapid, High-Temperature, In Situ Microwave Synthesis of Bulk Nanocatalysts. <i>Small</i> , 2019, 15, e1904881.	10.0	28
14	Prussian blue coupling with zinc oxide as a protective layer: an efficient cathode for high-rate sodium-ion batteries. <i>Chemical Communications</i> , 2019, 55, 549-552.	4.1	40
15	3D well-ordered porous phosphorus doped carbon as an anode for sodium storage: structure design, experimental and computational insights. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11400-11407.	10.3	64
16	Transient, in situ synthesis of ultrafine ruthenium nanoparticles for a high-rate $\text{Li-CO}_2$ battery. <i>Energy and Environmental Science</i> , 2019, 12, 1100-1107.	30.8	129
17	3D printed separator for the thermal management of high-performance Li metal anodes. <i>Energy Storage Materials</i> , 2018, 12, 197-203.	18.0	95
18	Biomimetic Synthesis of Polydopamine Coated $\text{ZnFe}_2\text{O}_4$ Composites as Anode Materials for Lithium-Ion Batteries. <i>ACS Omega</i> , 2018, 3, 2699-2705.	3.5	31

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19	Sodium storage mechanism of N, S co-doped nanoporous carbon: Experimental design and theoretical evaluation. <i>Energy Storage Materials</i> , 2018, 11, 274-281.	18.0	112
20	3D-Printed Graphene Oxide Framework with Thermal Shock Synthesized Nanoparticles for Li <sub>2</sub> CO <sub>2</sub> Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1805899.	14.9	135
21	Nanostructured potassium and sodium ion incorporated Prussian blue frameworks as cathode materials for sodium-ion batteries. <i>Chemical Communications</i> , 2017, 53, 5569-5572.	4.1	91
22	Architecture design of nitrogen-doped 3D bubble-like porous graphene for high performance sodium ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 2017-2023.	6.0	34
23	Rhombic Dodecahedron ZIF $\delta$ Precursor: Designing Porous N $\delta$ -Doped Carbon for Sodium $\delta$ Ion Batteries. <i>ChemElectroChem</i> , 2017, 4, 3244-3249.	3.4	30
24	Bio $\delta$ -Inspired Synthesis of an Ordered N/P Dual $\delta$ -Doped Porous Carbon and Application as an Anode for Sodium $\delta$ Ion Batteries. <i>Chemistry - A European Journal</i> , 2017, 23, 16051-16058.	3.3	41
25	Role of Acid in Tailoring Prussian Blue as Cathode for High $\delta$ -Performance Sodium $\delta$ Ion Battery. <i>Chemistry - A European Journal</i> , 2017, 23, 15991-15996.	3.3	64
26	Tailoring the Sodium Storage Performance of Carbon Nanowires by Microstructure Design and Surface Modification with N, O and S Heteroatoms. <i>ChemElectroChem</i> , 2017, 4, 2877-2883.	3.4	19
27	A particle $\delta$ -carbon matrix architecture for long-term cycle stability of ZnFe <sub>2</sub> O <sub>4</sub> anode. <i>RSC Advances</i> , 2016, 6, 35110-35117.	3.6	10
28	Hollow K <sub>0.27</sub> MnO <sub>2</sub> Nanospheres as Cathode for High-Performance Aqueous Sodium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 14564-14571.	8.0	81
29	In situ synthesis of flexible elastic N-doped carbon foam as a carbon current collector and interlayer for high-performance lithium sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8636-8644.	10.3	62
30	First-principles and experimental study of nitrogen/sulfur co-doped carbon nanosheets as anodes for rechargeable sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15565-15574.	10.3	128
31	Sodium storage in Na-rich Na <sub>x</sub> FeFe(CN) <sub>6</sub> nanocubes. <i>Nano Energy</i> , 2015, 12, 386-393.	16.0	253
32	Nanostructured alkali cation incorporated $\gamma$ -MnO <sub>2</sub> cathode materials for aqueous sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7780-7785.	10.3	70
33	High-performance aqueous sodium-ion batteries with K <sub>0.27</sub> MnO <sub>2</sub> cathode and their sodium storage mechanism. <i>Nano Energy</i> , 2014, 5, 97-104.	16.0	138
34	Conformal N-doped carbon on nanoporous TiO <sub>2</sub> spheres as a high-performance anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10375.	10.3	113
35	Surface modification of MoO <sub>x</sub> S <sub>y</sub> on porous TiO <sub>2</sub> nanospheres as an anode material with highly reversible and ultra-fast lithium storage properties. <i>Journal of Materials Chemistry A</i> , 2013, 1, 15128.	10.3	28
36	Ionic-Liquid-Assisted Synthesis of Self-Assembled TiO <sub>2</sub> -B Nanosheets under Microwave Irradiation and Their Enhanced Lithium Storage Properties. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 5320-5328.	2.0	28

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37	Coral-like $\text{MnS}$ composites with N-doped carbon as anode materials for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 24026.	6.7	134
38	Microwave-induced solid-state synthesis of $\text{TiO}_2(\text{B})$ nanobelts with enhanced lithium-storage properties. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	29