

# Xiang Hu

## List of Publications by Year in descending order

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29  
papers

2,093  
citations

257429

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454934

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all docs

30  
docs citations

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times ranked

2427  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-Dimensional Network Architecture with Hybrid Nanocarbon Composites Supporting Few-Layer MoS <sub>2</sub> for Lithium and Sodium Storage. ACS Nano, 2018, 12, 1592-1602.	14.6	275
2	Hierarchical porous carbon nanofibers for compatible anode and cathode of potassium-ion hybrid capacitor. Energy and Environmental Science, 2020, 13, 2431-2440.	30.8	229
3	Fast Redox Kinetics in Bi-Heteroatom Doped 3D Porous Carbon Nanosheets for High-Performance Hybrid Potassium-Ion Battery Capacitors. Advanced Energy Materials, 2019, 9, 1901533.	19.5	186
4	Tunable Synthesis of Yolk-Shell Porous Silicon@Carbon for Optimizing Si/C-Based Anode of Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 42084-42092.	8.0	173
5	Reliable and General Route to Inverse Opal Structured Nanohybrids of Carbon-Confined Transition Metal Sulfides Quantum Dots for High-Performance Sodium Storage. Advanced Energy Materials, 2018, 8, 1801452.	19.5	118
6	Highly dispersed ultrasmall NiS <sub>2</sub> nanoparticles in porous carbon nanofiber anodes for sodium ion batteries. Nanoscale, 2019, 11, 4688-4695.	5.6	107
7	FeS quantum dots embedded in 3D ordered macroporous carbon nanocomposite for high-performance sodium-ion hybrid capacitors. Journal of Materials Chemistry A, 2019, 7, 1138-1148.	10.3	93
8	Self-Assembling of Conductive Interlayer-Expanded WS <sub>2</sub> Nanosheets into 3D Hollow Hierarchical Microflower Bud Hybrids for Fast and Stable Sodium Storage. Advanced Functional Materials, 2020, 30, 1907677.	14.9	82
9	Robust 3D macroporous structures with SnS nanoparticles decorating nitrogen-doped carbon nanosheet networks for high performance sodium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 23460-23470.	10.3	79
10	<i>In situ</i> formation of vanadium nitride quantum dots on N-doped carbon hollow spheres for superior lithium and sodium storage. Journal of Materials Chemistry A, 2019, 7, 9289-9296.	10.3	68
11	Significant contribution of single atomic Mn implanted in carbon nanosheets to high-performance sodium-ion hybrid capacitors. Energy and Environmental Science, 2021, 14, 4564-4573.	30.8	66
12	Carbon-coated MoS <sub>1.5</sub> Te <sub>0.5</sub> nanocables for efficient sodium-ion storage in non-aqueous dual-ion batteries. Nature Communications, 2022, 13, 663.	12.8	66
13	Heterostructured Cu <sub>2</sub> S@ZnS/C composite with fast interfacial reaction kinetics for high-performance 3D-printed Sodium-Ion batteries. Chemical Engineering Journal, 2022, 430, 132993.	12.7	53
14	Layer-by-layer stacked nanohybrids of N,S-co-doped carbon film modified atomic MoS <sub>2</sub> nanosheets for advanced sodium dual-ion batteries. Journal of Materials Chemistry A, 2019, 7, 24271-24280.	10.3	52
15	Fe Vacancies Induced Surface FeO <sub>6</sub> in Nanoarchitectures of N-Doped Graphene Protected FeOOH: Effective Active Sites for pH-Universal Electrocatalytic Oxygen Reduction. Advanced Functional Materials, 2018, 28, 1803330.	14.9	51
16	N-Doped Carbon Nanofibers with Interweaved Nanochannels for High-Performance Sodium-Ion Storage. Small, 2019, 15, e1904054.	10.0	45
17	N-Doped Carbon Modifying MoS <sub>2</sub> Nanosheets on Hollow Cubic Carbon for High-Performance Anodes of Sodium-Based Dual-Ion Batteries. Advanced Functional Materials, 2021, 31, 2101066.	14.9	45
18	Hierarchical Multicavity Nitrogen-Doped Carbon Nanospheres as Efficient Polyselenide Reservoir for Fast and Long-Life Sodium-Selenium Batteries. Small, 2020, 16, e2005534.	10.0	44

#	ARTICLE	IF	CITATIONS
19	Recent progress in sodium/potassium hybrid capacitors. <i>Chemical Communications</i> , 2020, 56, 13933-13949.	4.1	41
20	A General Self-Sacrifice Template Strategy to 3D Heteroatom-Doped Macroporous Carbon for High-Performance Potassium-Ion Hybrid Capacitors. <i>Nano-Micro Letters</i> , 2021, 13, 131.	27.0	40
21	One-Step Low-Temperature Molten Salt Synthesis of Two-Dimensional Si@SiO <sub>x</sub> @C Hybrids for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 55844-55855.	8.0	36
22	V <sub>2</sub> O <sub>3</sub> Nanoparticles Confined in High-Conductivity and High-Throughput Carbon Nanofiber Nanohybrids for Advanced Sodium-Ion Capacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 10001-10012.	8.0	36
23	Covalent organic frameworks derived hollow structured N-doped noble carbon for asymmetric-electrolyte Zn-air battery. <i>Science China Chemistry</i> , 2019, 62, 385-392.	8.2	29
24	Facile Synthesis of P-Doped Carbon Nanosheets as Janus Electrodes of Advanced Potassium-Ion Hybrid Capacitor. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 29511-29521.	8.0	24
25	3D Graphene Network Encapsulating Mesoporous ZnS Nanospheres as High-Performance Anode Material in Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2018, 5, 1552-1558.	3.4	23
26	High Mass Loading 3D-Printed Sodium-Ion Hybrid Capacitors. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	13
27	CeO <sub>2</sub> quantum dots engineering 3D carbon architectures toward dendrite-free Na anode and reversible Te cathode for high-performance Na-Te batteries. <i>Informa-Materially</i> , 2022, 4, .	17.3	11
28	Potassium-Ion Hybrid Capacitors: Fast Redox Kinetics in Bi-Heteroatom Doped 3D Porous Carbon Nanosheets for High-Performance Hybrid Potassium-Ion Battery Capacitors ( <i>Adv. Energy Mater.</i> 42/2019). <i>Advanced Energy Materials</i> , 2019, 9, 1970167.	19.5	5
29	3D Graphene Network Encapsulating Mesoporous ZnS Nanospheres as High-Performance Anode Material in Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2018, 5, 1536-1536.	3.4	2