

Xiaona Wang

List of Publications by Year in descending order

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21
papers

1,667
citations

516215

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docs citations

22
times ranked

2229
citing authors

#	ARTICLE	IF	CITATIONS
1	Wrapping Aligned Carbon Nanotube Composite Sheets around Vanadium Nitride Nanowire Arrays for Asymmetric Coaxial Fiber-Shaped Supercapacitors with Ultrahigh Energy Density. <i>Nano Letters</i> , 2017, 17, 2719-2726.	4.5	281
2	Constructing Ultrahigh-Capacity Zinc@Nickel@Cobalt Oxide@Ni(OH) ₂ Core@Shell Nanowire Arrays for High-Performance Coaxial Fiber-Shaped Asymmetric Supercapacitors. <i>Nano Letters</i> , 2017, 17, 7552-7560.	4.5	231
3	Flexible and High-Voltage Coaxial-Fiber Aqueous Rechargeable Zinc-Ion Battery. <i>Nano Letters</i> , 2019, 19, 4035-4042.	4.5	202
4	Highly Reversible Aqueous Zn/MnO ₂ Battery by Supplementing Mn ²⁺ -Mediated MnO ₂ Deposition and Dissolution. <i>Advanced Functional Materials</i> , 2021, 31, 2101579.	7.8	119
5	3D confined zinc plating/stripping with high discharge depth and excellent high-rate reversibility. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11719-11727.	5.2	111
6	V ₂ O ₅ nanosheets supported on 3D N-doped carbon nanowall arrays as an advanced cathode for high energy and high power fiber-shaped zinc-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12979-12986.	5.2	101
7	High-performance flexible all-solid-state aqueous rechargeable Zn/MnO ₂ microbatteries integrated with wearable pressure sensors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14594-14601.	5.2	91
8	Anchoring V ₂ O ₅ nanosheets on hierarchical titanium nitride nanowire arrays to form core@shell heterostructures as a superior cathode for high-performance wearable aqueous rechargeable zinc-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12997-13006.	5.2	89
9	An all-solid-state, lightweight, and flexible asymmetric supercapacitor based on cabbage-like ZnCo ₂ O ₄ and porous VN nanowires electrode materials. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6928-6936.	5.2	81
10	Constructing hierarchical dandelion-like molybdenum@nickel@cobalt ternary oxide nanowire arrays on carbon nanotube fiber for high-performance wearable fiber-shaped asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21153-21160.	5.2	63
11	Facile synthesis of hierarchical porous manganese nickel cobalt sulfide nanotube arrays with enhanced electrochemical performance for ultrahigh energy density fiber-shaped asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8030-8038.	5.2	62
12	Hierarchical ferric-cobalt-nickel ternary oxide nanowire arrays supported on graphene fibers as high-performance electrodes for flexible asymmetric supercapacitors. <i>Nano Research</i> , 2018, 11, 1775-1786.	5.8	55
13	High-twist-pervaded electrochemical yarn muscles with ultralarge and fast contractile actuations. <i>Materials Horizons</i> , 2020, 7, 3043-3050.	6.4	36
14	All-Solid-State Fiber-Shaped Asymmetric Supercapacitors with Ultrahigh Energy Density Based on Porous Vanadium Nitride Nanowires and Ultrathin Ni(OH) ₂ Nanosheet Wrapped NiCo ₂ O ₄ Nanowires Arrays Electrode. <i>Journal of Physical Chemistry C</i> , 2019, 123, 985-993.	1.5	31
15	Bimetallic catalytic growth of boron nitride nanotubes. <i>Nanoscale</i> , 2017, 9, 1816-1819.	2.8	25
16	Atomic Modulation of 3D Conductive Frameworks Boost Performance of MnO ₂ for Coaxial Fiber-Shaped Supercapacitors. <i>Nano-Micro Letters</i> , 2021, 13, 4.	14.4	20
17	Interconnected surface-vacancy-rich PtFe nanowires for efficient oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12845-12852.	5.2	18
18	Programmable Contractile Actuations of Twisted Spider Dragline Silk Yarns. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 482-490.	2.6	18

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19	All-solid-state supercapacitors using a highly-conductive neutral gum electrolyte. RSC Advances, 2019, 9, 8169-8174.	1.7	14
20	PtNiFe nanoalloys with co-existence of energy-optimized active surfaces for synergistic catalysis of oxygen reduction and evolution. Journal of Materials Chemistry A, 2021, 9, 16187-16195.	5.2	9
21	Facile synthesis of ultrathin ZnCo ₂ O ₄ nanosheets/carbon cloth composite electrode for hybrid supercapacitors with high-rate and excellent reversibility. Materials Letters, 2021, 293, 129636.	1.3	6