

# Yagang Yao

## List of Publications by Year in descending order

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152  
papers

10,094  
citations

23500

58  
h-index

39575

94  
g-index

157  
all docs

157  
docs citations

157  
times ranked

9816  
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-scale production of two-dimensional nanosheets. <i>Journal of Materials Chemistry</i> , 2012, 22, 13494.	6.7	351
2	Epitaxial growth of wafer-scale molybdenum disulfide semiconductor single crystals on sapphire. <i>Nature Nanotechnology</i> , 2021, 16, 1201-1207.	15.6	339
3	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
4	High-Concentration Aqueous Dispersions of $\text{MoS}_2$ . <i>Advanced Functional Materials</i> , 2013, 23, 3577-3583.	7.8	271
5	Metal-Organic Framework Derived Spindle-like Carbon Incorporated $\text{Fe}_2\text{O}_3$ Grown on Carbon Nanotube Fiber as Anodes for High-Performance Wearable Asymmetric Supercapacitors. <i>ACS Nano</i> , 2018, 12, 9333-9341.	7.3	263
6	Realizing an All-Round Hydrogel Electrolyte toward Environmentally Adaptive Dendrite-Free Aqueous $\text{Zn}/\text{MnO}_2$ Batteries. <i>Advanced Materials</i> , 2021, 33, e2007559.	11.1	250
7	Enhanced through-plane thermal conductivity of boron nitride/epoxy composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 98, 25-31.	3.8	242
8	Constructing Ultrahigh-Capacity Zinc-Nickel-Cobalt Oxide@ $\text{Ni}(\text{OH})_2$ Core-Shell Nanowire Arrays for High-Performance Coaxial Fiber-Shaped Asymmetric Supercapacitors. <i>Nano Letters</i> , 2017, 17, 7552-7560.	4.5	231
9	Metal-Level Thermally Conductive yet Soft Graphene Thermal Interface Materials. <i>ACS Nano</i> , 2019, 13, 11561-11571.	7.3	214
10	Hot-pressing induced alignment of boron nitride in polyurethane for composite films with thermal conductivity over $50 \text{ W m}^{-1} \text{ K}^{-1}$ . <i>Composites Science and Technology</i> , 2018, 160, 199-207.	3.8	212
11	Flexible and High-Voltage Coaxial-Fiber Aqueous Rechargeable Zinc-Ion Battery. <i>Nano Letters</i> , 2019, 19, 4035-4042.	4.5	202
12	Stretchable fiber-shaped asymmetric supercapacitors with ultrahigh energy density. <i>Nano Energy</i> , 2017, 39, 219-228.	8.2	200
13	All-Solid-State Fiber Supercapacitors with Ultrahigh Volumetric Energy Density and Outstanding Flexibility. <i>Advanced Energy Materials</i> , 2019, 9, 1802753.	10.2	197
14	Ultrahigh-Aspect-Ratio Boron Nitride Nanosheets Leading to Superhigh In-Plane Thermal Conductivity of Foldable Heat Spreader. <i>ACS Nano</i> , 2021, 15, 6489-6498.	7.3	191
15	Stitching of $\text{Zn}_3(\text{OH})_2\text{V}_2\text{O}_7 \cdot 2\text{H}_2\text{O}$ 2D Nanosheets by 1D Carbon Nanotubes Boosts Ultrahigh Rate for Wearable Quasi-Solid-State Zinc-Ion Batteries. <i>ACS Nano</i> , 2020, 14, 842-853.	7.3	183
16	A facile method to prepare flexible boron nitride/poly(vinyl alcohol) composites with enhanced thermal conductivity. <i>Composites Science and Technology</i> , 2017, 149, 41-47.	3.8	170
17	MOF for template-directed growth of well-oriented nanowire hybrid arrays on carbon nanotube fibers for wearable electronics integrated with triboelectric nanogenerators. <i>Nano Energy</i> , 2018, 45, 420-431.	8.2	158
18	One-step synthesis of fluorescent smart thermo-responsive copper clusters: A potential nanothermometer in living cells. <i>Nano Research</i> , 2015, 8, 1975-1986.	5.8	130

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19	Nonvolatile Floating-Gate Memories Based on Stacked Black Phosphorus-Boron Nitride-MoS <sub>2</sub> Heterostructures. <i>Advanced Functional Materials</i> , 2015, 25, 7360-7365.	7.8	129
20	Ultrafast, dry microwave synthesis of graphene sheets. <i>Journal of Materials Chemistry</i> , 2010, 20, 4781.	6.7	128
21	Freestanding Metal-Organic Frameworks and Their Derivatives: An Emerging Platform for Electrochemical Energy Storage and Conversion. <i>Chemical Reviews</i> , 2022, 122, 10087-10125.	23.0	126
22	High-Performance Quasi-Solid-State Flexible Aqueous Rechargeable Ag-Zn Battery Based on Metal-Organic Framework-Derived Ag Nanowires. <i>ACS Energy Letters</i> , 2018, 3, 2761-2768.	8.8	125
23	3D Printing Fiber Electrodes for an All-Fiber Integrated Electronic Device via Hybridization of an Asymmetric Supercapacitor and a Temperature Sensor. <i>Advanced Science</i> , 2018, 5, 1801114.	5.6	120
24	Controlled Growth of Multilayer, Few-Layer, and Single-Layer Graphene on Metal Substrates. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5232-5238.	1.5	119
25	Polymer composites based on hexagonal boron nitride and their application in thermally conductive composites. <i>RSC Advances</i> , 2018, 8, 21948-21967.	1.7	119
26	Rational Design of a Printable, Highly Conductive Silicone-based Electrically Conductive Adhesive for Stretchable Radio-Frequency Antennas. <i>Advanced Functional Materials</i> , 2015, 25, 464-470.	7.8	109
27	Multiscale Structural Modulation of Anisotropic Graphene Framework for Polymer Composites Achieving Highly Efficient Thermal Energy Management. <i>Advanced Science</i> , 2021, 8, 2003734.	5.6	108
28	Self-sacrificed synthesis of conductive vanadium-based Metal-Organic framework nanowire-bundle arrays as binder-free cathodes for high-rate and high-energy-density wearable Zn-Ion batteries. <i>Nano Energy</i> , 2019, 64, 103935.	8.2	107
29	V <sub>2</sub> O <sub>5</sub> 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
30	All-in-one stretchable coaxial-fiber strain sensor integrated with high-performing supercapacitor. <i>Energy Storage Materials</i> , 2020, 25, 124-130.	9.5	100
31	Direct Ink Writing of Adjustable Electrochemical Energy Storage Device with High Gravimetric Energy Densities. <i>Advanced Functional Materials</i> , 2019, 29, 1900809.	7.8	94
32	Roadmap on the protective strategies of zinc anodes in aqueous electrolyte. <i>Energy Storage Materials</i> , 2022, 44, 104-135.	9.5	94
33	High-performance flexible all-solid-state aqueous rechargeable Zn-MnO <sub>2</sub> microbatteries integrated with wearable pressure sensors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14594-14601.	5.2	91
34	All-Metal-Organic Framework-Derived Battery Materials on Carbon Nanotube Fibers for Wearable Energy Storage Device. <i>Advanced Science</i> , 2018, 5, 1801462.	5.6	89
35	Anchoring V <sub>2</sub> O <sub>5</sub> 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
36	Graphene size-dependent modulation of graphene frameworks contributing to the superior thermal conductivity of epoxy composites. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12091-12097.	5.2	88

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37	Ultrafast All-Solid-State Coaxial Asymmetric Fiber Supercapacitors with a High Volumetric Energy Density. <i>Advanced Energy Materials</i> , 2018, 8, 1702946.	10.2	86
38	A hierarchical heterostructure of CdS QDs confined on 3D ZnIn <sub>2</sub> S <sub>4</sub> with boosted charge transfer for photocatalytic CO <sub>2</sub> reduction. <i>Nano Research</i> , 2021, 14, 81-90.	5.8	84
39	An all-solid-state, lightweight, and flexible asymmetric supercapacitor based on cabbage-like ZnCo <sub>2</sub> O <sub>4</sub> and porous VN nanowires electrode materials. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6928-6936.	5.2	81
40	Large improvement of thermal transport and mechanical performance of polyvinyl alcohol composites based on interface enhanced by SiO <sub>2</sub> nanoparticle-modified-hexagonal boron nitride. <i>Composites Science and Technology</i> , 2019, 169, 167-175.	3.8	80
41	“One Stone Two Birds” Design for Dual-Functional TiO <sub>2</sub> /TiN Heterostructures Enabled Dendrite-Free and Kinetics-Enhanced Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	80
42	The use of polyimide-modified aluminum nitride fillers in AlN@PI/Epoxy composites with enhanced thermal conductivity for electronic encapsulation. <i>Scientific Reports</i> , 2014, 4, 4779.	1.6	78
43	Advanced Multifunctional Aqueous Rechargeable Batteries Design: From Materials and Devices to Systems. <i>Advanced Materials</i> , 2022, 34, e2104327.	11.1	78
44	Direct growth of vanadium nitride nanosheets on carbon nanotube fibers as novel negative electrodes for high-energy-density wearable fiber-shaped asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2018, 382, 122-127.	4.0	75
45	Electrically conductive adhesives based on thermoplastic polyurethane filled with silver flakes and carbon nanotubes. <i>Composites Science and Technology</i> , 2016, 129, 191-197.	3.8	73
46	A one-dimensional channel self-standing MOF cathode for ultrahigh-energy-density flexible Ni-Zn batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 27217-27224.	5.2	73
47	Enhanced thermal conductivity of free-standing 3D hierarchical carbon nanotube-graphene hybrid paper. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 102, 1-8.	3.8	70
48	Flexible all-solid-state fiber-shaped Ni-Fe batteries with high electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 520-530.	5.2	70
49	An ultra-high endurance and high-performance quasi-solid-state fiber-shaped Zn-Ag <sub>2</sub> O battery to harvest wind energy. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2034-2040.	5.2	70
50	All Hierarchical Core-Shell Heterostructures as Novel Binder-Free Electrode Materials for Ultrahigh-Energy-Density Wearable Asymmetric Supercapacitors. <i>Advanced Science</i> , 2019, 6, 1801379.	5.6	70
51	Binder-free NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> anodes for high-performance coaxial-fiber aqueous rechargeable sodium-ion batteries. <i>Nano Energy</i> , 2020, 67, 104212.	8.2	70
52	Stratified Zinc-Binding Strategy toward Prolonged Cycling and Flexibility of Aqueous Fibrous Zinc Metal Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2100214.	10.2	70
53	Nickel metal-organic framework nanosheets as novel binder-free cathode for advanced fibrous aqueous rechargeable Ni-Zn battery. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3262-3269.	5.2	68
54	Self-powered multifunctional sensing based on super-elastic fibers by soluble-core thermal drawing. <i>Nature Communications</i> , 2021, 12, 1416.	5.8	68

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55	Impregnation assisted synthesis of 3D nitrogen-doped porous carbon with high capacitance. <i>Carbon</i> , 2015, 94, 650-660.	5.4	64
56	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
57	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
58	One-Step in Situ Ball Milling Synthesis of Polymer-Functionalized Few-Layered Boron Nitride and Its Application in High Thermally Conductive Cellulose Composites. <i>ACS Applied Nano Materials</i> , 2018, 1, 4875-4883.	2.4	61
59	First-principles study of electronic, optical and thermal transport properties of group III-VI monolayer MX (M = Ga, In; X = S, Se). <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	61
60	Facile Synthesis of Na-Doped MnO <sub>2</sub> Nanosheets on Carbon Nanotube Fibers for Ultrahigh-Energy-Density All-Solid-State Wearable Asymmetric Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 37233-37241.	4.0	60
61	Engineering MoS <sub>2</sub> Nanosheets on Spindle-Like Fe <sub>2</sub> O <sub>3</sub> as High-Performance Core-Shell Pseudocapacitive Anodes for Fiber-Shaped Aqueous Lithium-Ion Capacitors. <i>Advanced Functional Materials</i> , 2020, 30, 2003967.	7.8	60
62	An electrospinning-electrospraying technique for connecting electrospun fibers to enhance the thermal conductivity of boron nitride/polymer composite films. <i>Composites Part B: Engineering</i> , 2022, 230, 109505.	5.9	60
63	Interfacial synthesis of polyethyleneimine-protected copper nanoclusters: Size-dependent tunable photoluminescence, pH sensor and bioimaging. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 140, 373-381.	2.5	58
64	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
65	Precise Proton Redistribution for Two-Electron Redox in Aqueous Zinc/Manganese Dioxide Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2102055.	10.2	55
66	Lightweight thermal interface materials based on hierarchically structured graphene paper with superior through-plane thermal conductivity. <i>Chemical Engineering Journal</i> , 2021, 419, 129609.	6.6	54
67	Novel coaxial fiber-shaped sensing system integrated with an asymmetric supercapacitor and a humidity sensor. <i>Energy Storage Materials</i> , 2018, 15, 315-323.	9.5	51
68	Synthesis and Modification of Boron Nitride Nanomaterials for Electrochemical Energy Storage: From Theory to Application. <i>Advanced Functional Materials</i> , 2021, 31, 2106315.	7.8	51
69	A fluorescent biosensor of lysozyme-stabilized copper nanoclusters for the selective detection of glucose. <i>RSC Advances</i> , 2015, 5, 101599-101606.	1.7	50
70	Boosting Zn-ion storage capability of self-standing Zn-doped Co <sub>3</sub> O <sub>4</sub> nanowire array as advanced cathodes for high-performance wearable aqueous rechargeable Co//Zn batteries. <i>Nano Research</i> , 2021, 14, 91-99.	5.8	50
71	MOF-derived vertically stacked Mn <sub>2</sub> O <sub>3</sub> @C flakes for fiber-shaped zinc-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 24031-24039.	5.2	48
72	Gold nanoclusters decorated with magnetic iron oxide nanoparticles for potential multimodal optical/magnetic resonance imaging. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5910-5917.	2.7	45

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73	Hierarchically-structured Co <sub>3</sub> O <sub>4</sub> nanowire arrays grown on carbon nanotube fibers as novel cathodes for high-performance wearable fiber-shaped asymmetric supercapacitors. <i>Applied Surface Science</i> , 2018, 447, 795-801.	3.1	43
74	NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> hollow nanoparticles encapsulated in carbon nanofibers as novel anodes for flexible aqueous rechargeable sodium-ion batteries. <i>Nano Energy</i> , 2021, 82, 105764.	8.2	43
75	CoNiO <sub>2</sub> /Co <sub>4</sub> N Heterostructure Nanowires Assisted Polysulfide Reaction Kinetics for Improved Lithium-Sulfur Batteries. <i>Advanced Science</i> , 2022, 9, e2104375.	5.6	42
76	Freestanding Boron Nitride Nanosheet Films for Ultrafast Oil/Water Separation. <i>Small</i> , 2016, 12, 4960-4965.	5.2	40
77	Duplex printing of all-in-one integrated electronic devices for temperature monitoring. <i>Journal of Materials Chemistry A</i> , 2019, 7, 972-978.	5.2	40
78	Interface engineered and surface modulated electrode materials for ultrahigh-energy-density wearable NiCo//Fe batteries. <i>Energy Storage Materials</i> , 2020, 27, 316-326.	9.5	40
79	In Situ Generation of Photosensitive Silver Halide for Improving the Conductivity of Electrically Conductive Adhesives. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 29047-29054.	4.0	39
80	Highly Efficient Growth of Boron Nitride Nanotubes and the Thermal Conductivity of Their Polymer Composites. <i>Journal of Physical Chemistry C</i> , 2018, 122, 1867-1873.	1.5	39
81	Rational Construction of Self-Standing Sulfur-Doped Fe <sub>2</sub> O <sub>3</sub> Anodes with Promoted Energy Storage Capability for Wearable Aqueous Rechargeable NiCo-Fe Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2001064.	10.2	39
82	Highly Conductive 3D Segregated Graphene Architecture in Polypropylene Composite with Efficient EMI Shielding. <i>Polymers</i> , 2017, 9, 662.	2.0	38
83	All Binder-Free Electrodes for High-Performance Wearable Aqueous Rechargeable Sodium-Ion Batteries. <i>Nano-Micro Letters</i> , 2019, 11, 101.	14.4	38
84	Rational design of flexible capacitive sensors with highly linear response over a broad pressure sensing range. <i>Nanoscale</i> , 2020, 12, 21198-21206.	2.8	38
85	Advances in synthesis and applications of boron nitride nanotubes: A review. <i>Chemical Engineering Journal</i> , 2022, 431, 134118.	6.6	38
86	Conversion Synthesis of Self-Standing Potassium Zinc Hexacyanoferrate Arrays as Cathodes for High-Voltage Flexible Aqueous Rechargeable Sodium-Ion Batteries. <i>Small</i> , 2019, 15, e1905115.	5.2	37
87	Hierarchically structured VO <sub>2</sub> @PPy core-shell nanowire arrays grown on carbon nanotube fibers as advanced cathodes for high-performance wearable asymmetric supercapacitors. <i>Carbon</i> , 2018, 139, 21-28.	5.4	36
88	Designer patterned functional fibers via direct imprinting in thermal drawing. <i>Nature Communications</i> , 2020, 11, 3842.	5.8	36
89	Thermally Conductive Graphene Films for Heat Dissipation. <i>ACS Applied Nano Materials</i> , 2020, 3, 2149-2155.	2.4	33
90	Controlled growth of MoS <sub>2</sub> nanopetals and their hydrogen evolution performance. <i>RSC Advances</i> , 2016, 6, 18483-18489.	1.7	32

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91	Superstructured $\text{Fe}_2\text{O}_3$ nanorods as novel binder-free anodes for high-performing fiber-shaped Ni/Fe battery. <i>Science Bulletin</i> , 2020, 65, 812-819.	4.3	32
92	Recent advances of electrically conductive metal-organic frameworks in electrochemical applications. <i>Materials Today Nano</i> , 2021, 13, 100105.	2.3	32
93	Conductivity enhancement of polymer composites using high-temperature short-time treated silver fillers. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 100, 64-70.	3.8	31
94	Free-Standing Black Phosphorus Thin Films for Flexible Quasi-Solid-State Micro-Supercapacitors with High Volumetric Power and Energy Density. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 5938-5946.	4.0	31
95	All-Solid-State Fiber-Shaped Asymmetric Supercapacitors with Ultrahigh Energy Density Based on Porous Vanadium Nitride Nanowires and Ultrathin $\text{Ni}(\text{OH})_2$ Nanosheet Wrapped $\text{NiCo}_2\text{O}_4$ Nanowires Arrays Electrode. <i>Journal of Physical Chemistry C</i> , 2019, 123, 985-993.	1.5	31
96	Towards ultrahigh-energy-density flexible aqueous rechargeable Ni//Bi batteries: Free-standing hierarchical nanowire arrays core-shell heterostructures system. <i>Energy Storage Materials</i> , 2021, 42, 815-825.	9.5	31
97	The conduction development mechanism of silicone-based electrically conductive adhesives. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4368.	2.7	30
98	All-Metal Phosphide Electrodes for High-Performance Quasi-Solid-State Fiber-Shaped Aqueous Rechargeable $\text{Ni}^{\text{Fe}}$ Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 12801-12808.	4.0	30
99	Roadmap for flexible solid-state aqueous batteries: From materials engineering and architectures design to mechanical characterizations. <i>Materials Science and Engineering Reports</i> , 2022, 148, 100671.	14.8	30
100	Surface-functionalized $\text{Fe}_2\text{O}_3$ nanowire arrays with enhanced pseudocapacitive performance as novel anode materials for high-energy-density fiber-shaped asymmetric supercapacitors. <i>Electrochimica Acta</i> , 2020, 330, 135247.	2.6	29
101	Electrical property enhancement of electrically conductive adhesives through Ag-coated-Cu surface treatment by terephthalaldehyde and iodine. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6178-6184.	2.7	28
102	Flexible quasi-solid-state 2.4 V aqueous asymmetric microsupercapacitors with ultrahigh energy density. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20145-20151.	5.2	28
103	Growth of boron nitride nanotubes from magnesium diboride catalysts. <i>Nanoscale</i> , 2018, 10, 13895-13901.	2.8	28
104	Achieving ultrahigh-energy-density in flexible and lightweight all-solid-state internal asymmetric tandem 6.6 V all-in-one supercapacitors. <i>Energy Storage Materials</i> , 2020, 25, 893-902.	9.5	27
105	Transfer of vertically aligned carbon nanotube arrays onto flexible substrates for gecko-inspired dry adhesive application. <i>RSC Advances</i> , 2015, 5, 46749-46759.	1.7	26
106	Bimetallic catalytic growth of boron nitride nanotubes. <i>Nanoscale</i> , 2017, 9, 1816-1819.	2.8	25
107	Regulation of multidimensional silver nanostructures for high-performance composite conductive adhesives. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 137, 106025.	3.8	25
108	Hot pressing-induced alignment of hexagonal boron nitride in SEBS elastomer for superior thermally conductive composites. <i>RSC Advances</i> , 2018, 8, 25835-25845.	1.7	24

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109	Fully Solar-Powered Uninterrupted Overall Water-Splitting Systems. <i>Advanced Functional Materials</i> , 2019, 29, 1808889.	7.8	24
110	High-Capacity Iron-Based Anodes for Aqueous Secondary Nickel-Iron Batteries: Recent Progress and Prospects. <i>ChemElectroChem</i> , 2021, 8, 274-290.	1.7	23
111	Boron nitride nanotubes grown on stainless steel from a mixture of diboron trioxide and boron. <i>Chemical Physics Letters</i> , 2017, 687, 307-311.	1.2	22
112	Rational Design of Hierarchical Titanium Nitride@Vanadium Pentoxide Core-Shell Heterostructure Fibrous Electrodes for High-Performance 1.6 V Nonpolarity Wearable Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 29705-29711.	4.0	22
113	The exceptionally high thermal conductivity after $\sim$ alloying two-dimensional gallium nitride (GaN) and aluminum nitride (AlN). <i>Nanotechnology</i> , 2021, 32, 135401.	1.3	22
114	Highly Efficient Mass Production of Boron Nitride Nanosheets via a Borate Nitridation Method. <i>Journal of Physical Chemistry C</i> , 2018, 122, 17370-17377.	1.5	21
115	Magnesium-induced preparation of boron nitride nanotubes and their application in thermal interface materials. <i>Nanoscale</i> , 2019, 11, 11457-11463.	2.8	21
116	Remote catalyzation for growth of boron nitride nanotubes by low pressure chemical vapor deposition. <i>Chemical Physics Letters</i> , 2016, 652, 27-31.	1.2	20
117	Atomic Modulation of 3D Conductive Frameworks Boost Performance of MnO <sub>2</sub> for Coaxial Fiber-Shaped Supercapacitors. <i>Nano-Micro Letters</i> , 2021, 13, 4.	14.4	20
118	Tuning the structures of boron nitride nanosheets by template synthesis and their application as lubrication additives in water. <i>Applied Surface Science</i> , 2019, 479, 119-127.	3.1	19
119	An integrated strategy towards the high-yield fabrication of soluble boron nitride nanosheets. <i>Chemical Engineering Journal</i> , 2019, 360, 1407-1415.	6.6	19
120	Hierarchical NiCoP nanosheet arrays with enhanced electrochemical properties for high-performance wearable hybrid capacitors. <i>Journal of Alloys and Compounds</i> , 2019, 781, 783-789.	2.8	19
121	High-Performance and Ultraflexible Aqueous Rechargeable Lithium-Ion Batteries Developed by Constructing All Binder-free Electrode Materials. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 25700-25708.	4.0	18
122	Flexible Tactile Sensor Based on Patterned Ag-Nanofiber Electrodes through Electrospinning. <i>Sensors</i> , 2021, 21, 2413.	2.1	18
123	Fiber-Shaped Electrochemical Capacitors Based on Plasma-Engraved Graphene Fibers with Oxygen Vacancies for Alternating Current Line Filtering Performance. <i>ACS Applied Energy Materials</i> , 2019, 2, 993-999.	2.5	16
124	Scalable production of high-quality boron nitride nanosheets via a recyclable salt-templating method. <i>Green Chemistry</i> , 2019, 21, 6746-6753.	4.6	16
125	Structure-induced partial phase transformation endows hollow TiO <sub>2</sub> /TiN heterostructure fibers stacked with nanosheet arrays with extraordinary sodium storage performance. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12109-12118.	5.2	16
126	Large-scale fabrication of boron nitride nanotubes and their application in thermoplastic polyurethane based composite for improved thermal conductivity. <i>Ceramics International</i> , 2018, 44, 22794-22799.	2.3	15

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127	Direct Growth of Nanographene on Silicon with Thin Oxide Layer for High-Performance Nanographene-Oxide-Silicon Diodes. <i>Advanced Functional Materials</i> , 2014, 24, 7613-7618.	7.8	13
128	Ammonium-tungstate-promoted growth of boron nitride nanotubes. <i>Nanotechnology</i> , 2018, 29, 195604.	1.3	12
129	Tribological characteristics of boron nitride nanosheets on silicon wafers obtained by the reaction of MgB <sub>2</sub> and NH <sub>3</sub> . <i>Surface and Coatings Technology</i> , 2018, 340, 36-44.	2.2	12
130	Surfactant-modified Zn nanosheets on carbon paper for electrochemical CO <sub>2</sub> reduction to CO. <i>Chemical Communications</i> , 2022, 58, 5096-5099.	2.2	11
131	Double-Sided Transferred Carbon Nanotube Arrays for Improved Thermal Interface Materials. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , 2015, 137, .	1.2	10
132	Advanced Thermally Drawn Multimaterial Fibers: Structure-Enabled Functionalities. <i>Advanced Devices &amp; Instrumentation</i> , 2021, 2021, .	4.0	10
133	Fabrication of thermally conductive polymer composites based on hexagonal boron nitride: recent progresses and prospects. <i>Nano Express</i> , 2021, 2, 042002.	1.2	8
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