Yagang Yao

List of Publications by Year
in descending order

152 papers	10,094 citations	23567 58 h-index	39675 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. Journal of Materials Chemistry, 2012, 22, 13494.	6.7	351
2	Epitaxial growth of wafer-scale molybdenum disulfide semiconductor single crystals on sapphire. Nature Nanotechnology, 2021, 16, 1201-1207.	31.5	339
3	Wrapping Aligned Carbon Nanotube Composite Sheets around Vanadium Nitride Nanowire Arrays for Asymmetric Coaxial Fiber-Shaped Supercapacitors with Ultrahigh Energy Density. Nano Letters, 2017, 17, 2719-2726.	9.1	281
4	Highâ€Concentration Aqueous Dispersions of MoS₂. Advanced Functional Materials, 2013, 23, 3577-3583.	14.9	271
5	Metalâ€“Organic Framework Derived Spindle-like Carbon Incorporated Î±-Fe₂O₃ Grown on Carbon Nanotube Fiber as Anodes for High-Performance Wearable Asymmetric Supercapacitors. ACS Nano, 2018, 12, 9333-9341.	14.6	263
6	Realizing an Allâ€Round Hydrogel Electrolyte toward Environmentally Adaptive Dendriteâ€Free Aqueous Znâ€“MnO₂ Batteries. Advanced Materials, 2021, 33, e2007559.	21.0	250
7	Enhanced through-plane thermal conductivity of boron nitride/epoxy composites. Composites Part A: Applied Science and Manufacturing, 2017, 98, 25-31.	7.6	242
8	Constructing Ultrahigh-Capacity Zincâ€“Nickelâ€“Cobalt Oxide@Ni(OH)₂ Coreâ€“Shell Nanowire Arrays for High-Performance Coaxial Fiber-Shaped Asymmetric Supercapacitors. Nano Letters, 2017, 17, 7552-7560.	9.1	231
9	Metal-Level Thermally Conductive yet Soft Graphene Thermal Interface Materials. ACS Nano, 2019, 13, 11561-11571.	14.6	214
10	Hot-pressing induced alignment of boron nitride in polyurethane for composite films with thermal conductivity over 50â€Wmâˆ'1â€Kâˆ'1. Composites Science and Technology, 2018, 160, 199-207.	7.8	212
11	Flexible and High-Voltage Coaxial-Fiber Aqueous Rechargeable Zinc-Ion Battery. Nano Letters, 2019, 19, 4035-4042.	9.1	202
12	Stretchable fiber-shaped asymmetric supercapacitors with ultrahigh energy density. Nano Energy, 2017, 39, 219-228.	16.0	200
13	Allâ€Solidâ€State Fiber Supercapacitors with Ultrahigh Volumetric Energy Density and Outstanding Flexibility. Advanced Energy Materials, 2019, 9, 1802753.	19.5	197
14	Ultrahigh-Aspect-Ratio Boron Nitride Nanosheets Leading to Superhigh In-Plane Thermal Conductivity of Foldable Heat Spreader. ACS Nano, 2021, 15, 6489-6498.	14.6	191
15	Stitching of Zn₃(OH)₂V₂O₇Â·2H₂O 2D Nanosheets by 1D Carbon Nanotubes Boosts Ultrahigh Rate for Wearable Quasi-Solid-State Zinc-Ion Batteries. ACS Nano, 2020, 14, 842-853.	14.6	183
16	A facile method to prepare flexible boron nitride/poly(vinyl alcohol) composites with enhanced thermal conductivity. Composites Science and Technology, 2017, 149, 41-47.	7.8	170
17	MOF for template-directed growth of well-oriented nanowire hybrid arrays on carbon nanotube fibers for wearable electronics integrated with triboelectric nanogenerators. Nano Energy, 2018, 45, 420-431.	16.0	158
18	One-step synthesis of fluorescent smart thermo-responsive copper clusters: A potential nanothermometer in living cells. Nano Research, 2015, 8, 1975-1986.	10.4	130

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19	Nonvolatile Floatingâ€Gate Memories Based on Stacked Black Phosphorusâ€“Boron Nitrideâ€“MoS₂ Heterostructures. Advanced Functional Materials, 2015, 25, 7360-7365.	14.9	129
20	Ultrafast, dry microwave synthesis of graphene sheets. Journal of Materials Chemistry, 2010, 20, 4781.	6.7	128
21	Freestanding Metalâ€“Organic Frameworks and Their Derivatives: An Emerging Platform for Electrochemical Energy Storage and Conversion. Chemical Reviews, 2022, 122, 10087-10125.	47.7	126
22	High-Performance Quasi-Solid-State Flexible Aqueous Rechargeable Agâ€“Zn Battery Based on Metalâ€“Organic Framework-Derived Ag Nanowires. ACS Energy Letters, 2018, 3, 2761-2768.	17.4	125
23	3D Printing Fiber Electrodes for an Allâ€Fiber Integrated Electronic Device via Hybridization of an Asymmetric Supercapacitor and a Temperature Sensor. Advanced Science, 2018, 5, 1801114.	11.2	120
24	Controlled Growth of Multilayer, Few-Layer, and Single-Layer Graphene on Metal Substrates. Journal of Physical Chemistry C, 2011, 115, 5232-5238.	3.1	119
25	Polymer composites based on hexagonal boron nitride and their application in thermally conductive composites. RSC Advances, 2018, 8, 21948-21967.	3.6	119
26	Rational Design of a Printable, Highly Conductive Siliconeâ€based Electrically Conductive Adhesive for Stretchable Radioâ€Frequency Antennas. Advanced Functional Materials, 2015, 25, 464-470.	14.9	109
27	Multiscale Structural Modulation of Anisotropic Graphene Framework for Polymer Composites Achieving Highly Efficient Thermal Energy Management. Advanced Science, 2021, 8, 2003734.	11.2	108
28	Self-sacrificed synthesis of conductive vanadium-based Metalâ€“Organic framework nanowire-bundle arrays as binder-free cathodes for high-rate and high-energy-density wearable Zn-Ion batteries. Nano Energy, 2019, 64, 103935.	16.0	107
29	V₂O₅ nanosheets supported on 3D N-doped carbon nanowall arrays as an advanced cathode for high energy and high power fiber-shaped zinc-ion batteries. Journal of Materials Chemistry A, 2019, 7, 12979-12986.	10.3	101
30	All-in-one stretchable coaxial-fiber strain sensor integrated with high-performing supercapacitor. Energy Storage Materials, 2020, 25, 124-130.	18.0	100
31	Direct Ink Writing of Adjustable Electrochemical Energy Storage Device with High Gravimetric Energy Densities. Advanced Functional Materials, 2019, 29, 1900809.	14.9	94
32	Roadmap on the protective strategies of zinc anodes in aqueous electrolyte. Energy Storage Materials, 2022, 44, 104-135.	18.0	94
33	High-performance flexible all-solid-state aqueous rechargeable Znâ€“MnO₂ microbatteries integrated with wearable pressure sensors. Journal of Materials Chemistry A, 2018, 6, 14594-14601.	10.3	91
34	Allâ€Metalâ€Organic Frameworkâ€Derived Battery Materials on Carbon Nanotube Fibers for Wearable Energyâ€Storage Device. Advanced Science, 2018, 5, 1801462.	11.2	89
35	Anchoring V₂O₅ nanosheets on hierarchical titanium nitride nanowire arrays to form coreâ€“shell heterostructures as a superior cathode for high-performance wearable aqueous rechargeable zinc-ion batteries. Journal of Materials Chemistry A, 2019, 7, 12997-13006.	10.3	89
36	Graphene size-dependent modulation of graphene frameworks contributing to the superior thermal conductivity of epoxy composites. Journal of Materials Chemistry A, 2018, 6, 12091-12097.	10.3	88

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37	Ultrafast Allâ€Solidâ€State Coaxial Asymmetric Fiber Supercapacitors with a High Volumetric Energy Density. Advanced Energy Materials, 2018, 8, 1702946.	19.5	86
38	A hierarchical heterostructure of CdS QDs confined on 3D ZnIn2S4 with boosted charge transfer for photocatalytic CO2 reduction. Nano Research, 2021, 14, 81-90.	10.4	84
39	An all-solid-state, lightweight, and flexible asymmetric supercapacitor based on cabbage-like ZnCo₂O₄ and porous VN nanowires electrode materials. Journal of Materials Chemistry A, 2017, 5, 6928-6936.	10.3	81
40	Large improvement of thermal transport and mechanical performance of polyvinyl alcohol composites based on interface enhanced by SiO2 nanoparticle-modified-hexagonal boron nitride. Composites Science and Technology, 2019, 169, 167-175.	7.8	80
41	â€œOne Stone Two Birdsâ€•Design for Dualâ€Functional TiO₂â€TiN Heterostructures Enabled Dendriteâ€Free and Kineticsâ€Enhanced Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2022, 12, .	19.5	80
42	The use of polyimide-modified aluminum nitride fillers in AlN@PI/Epoxy composites with enhanced thermal conductivity for electronic encapsulation. Scientific Reports, 2014, 4, 4779.	3.3	78
43	Advanced Multifunctional Aqueous Rechargeable Batteries Design: From Materials and Devices to Systems. Advanced Materials, 2022, 34, e2104327.	21.0	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. Journal of Power Sources, 2018, 382, 122-127.	7.8	75
45	Electrically conductive adhesives based on thermoplastic polyurethane filled with silver flakes and carbon nanotubes. Composites Science and Technology, 2016, 129, 191-197.	7.8	73
46	A one-dimensional channel self-standing MOF cathode for ultrahigh-energy-density flexible Niâ€“Zn batteries. Journal of Materials Chemistry A, 2019, 7, 27217-27224.	10.3	73
47	Enhanced thermal conductivity of free-standing 3D hierarchical carbon nanotube-graphene hybrid paper. Composites Part A: Applied Science and Manufacturing, 2017, 102, 1-8.	7.6	70
48	Flexible all-solid-state fiber-shaped Niâ€“Fe batteries with high electrochemical performance. Journal of Materials Chemistry A, 2019, 7, 520-530.	10.3	70
49	An ultra-high endurance and high-performance quasi-solid-state fiber-shaped Znâ€“Ag₂O battery to harvest wind energy. Journal of Materials Chemistry A, 2019, 7, 2034-2040.	10.3	70
50	All Hierarchical Coreâ€“Shell Heterostructures as Novel Binderâ€Free Electrode Materials for Ultrahighâ€Energyâ€Density Wearable Asymmetric Supercapacitors. Advanced Science, 2019, 6, 1801379.	11.2	70
51	Binder-free NaTi2(PO4)3 anodes for high-performance coaxial-fiber aqueous rechargeable sodium-ion batteries. Nano Energy, 2020, 67, 104212.	16.0	70
52	Stratified Zincâ€Binding Strategy toward Prolonged Cycling and Flexibility of Aqueous Fibrous Zinc Metal Batteries. Advanced Energy Materials, 2021, 11, 2100214.	19.5	70
53	Nickel metalâ€“organic framework nanosheets as novel binder-free cathode for advanced fibrous aqueous rechargeable Niâ€“Zn battery. Journal of Materials Chemistry A, 2020, 8, 3262-3269.	10.3	68
54	Self-powered multifunctional sensing based on super-elastic fibers by soluble-core thermal drawing. Nature Communications, 2021, 12, 1416.	12.8	68

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55	Impregnation assisted synthesis of 3D nitrogen-doped porous carbon with high capacitance. Carbon, 2015, 94, 650-660.	10.3	64
56	Constructing hierarchical dandelion-like molybdenumâ€“nickelâ€“cobalt ternary oxide nanowire arrays on carbon nanotube fiber for high-performance wearable fiber-shaped asymmetric supercapacitors. Journal of Materials Chemistry A, 2017, 5, 21153-21160.	10.3	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. Journal of Materials Chemistry A, 2018, 6, 8030-8038.	10.3	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. ACS Applied Nano Materials, 2018, 1, 4875-4883.	5.0	61
59	First-principles study of electronic, optical and thermal transport properties of group IIIâ€“VI monolayer MX (Mâ€‰=â€‰Ga, In; Xâ€‰=â€‰S, Se). Journal of Applied Physics, 2019, 125, .	2.5	61
60	Facile Synthesis of Na-Doped MnO₂ Nanosheets on Carbon Nanotube Fibers for Ultrahigh-Energy-Density All-Solid-State Wearable Asymmetric Supercapacitors. ACS Applied Materials & Interfaces, 2018, 10, 37233-37241.	8.0	60
61	Engineering MoS₂ Nanosheets on Spindleâ€Like Î±â€Fe₂O₃ as Highâ€Performance Coreâ€“Shell Pseudocapacitive Anodes for Fiberâ€Shaped Aqueous Lithiumâ€Ion Capacitors. Advanced Functional Materials, 2020, 30, 2003967.	14.9	60
62	An electrospinningâ€“electrospraying technique for connecting electrospun fibers to enhance the thermal conductivity of boron nitride/polymer composite films. Composites Part B: Engineering, 2022, 230, 109505.	12.0	60
63	Interfacial synthesis of polyethyleneimine-protected copper nanoclusters: Size-dependent tunable photoluminescence, pH sensor and bioimaging. Colloids and Surfaces B: Biointerfaces, 2016, 140, 373-381.	5.0	58
64	Hierarchical ferric-cobalt-nickel ternary oxide nanowire arrays supported on graphene fibers as high-performance electrodes for flexible asymmetric supercapacitors. Nano Research, 2018, 11, 1775-1786.	10.4	55
65	Precise Proton Redistribution for Twoâ€Electron Redox in Aqueous Zinc/Manganese Dioxide Batteries. Advanced Energy Materials, 2021, 11, 2102055.	19.5	55
66	Lightweight thermal interface materials based on hierarchically structured graphene paper with superior through-plane thermal conductivity. Chemical Engineering Journal, 2021, 419, 129609.	12.7	54
67	Novel coaxial fiber-shaped sensing system integrated with an asymmetric supercapacitor and a humidity sensor. Energy Storage Materials, 2018, 15, 315-323.	18.0	51
68	Synthesis and Modification of Boron Nitride Nanomaterials for Electrochemical Energy Storage: From Theory to Application. Advanced Functional Materials, 2021, 31, 2106315.	14.9	51
69	A fluorescent biosensor of lysozyme-stabilized copper nanoclusters for the selective detection of glucose. RSC Advances, 2015, 5, 101599-101606.	3.6	50
70	Boosting Zn-ion storage capability of self-standing Zn-doped Co3O4 nanowire array as advanced cathodes for high-performance wearable aqueous rechargeable Co//Zn batteries. Nano Research, 2021, 14, 91-99.	10.4	50
71	MOF-derived vertically stacked Mn₂O₃@C flakes for fiber-shaped zinc-ion batteries. Journal of Materials Chemistry A, 2020, 8, 24031-24039.	10.3	48
72	Gold nanoclusters decorated with magnetic iron oxide nanoparticles for potential multimodal optical/magnetic resonance imaging. Journal of Materials Chemistry C, 2015, 3, 5910-5917.	5.5	45

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73	Hierarchically-structured Co3O4 nanowire arrays grown on carbon nanotube fibers as novel cathodes for high-performance wearable fiber-shaped asymmetric supercapacitors. Applied Surface Science, 2018, 447, 795-801.	6.1	43
74	NaTi2(PO4)3 hollow nanoparticles encapsulated in carbon nanofibers as novel anodes for flexible aqueous rechargeable sodium-ion batteries. Nano Energy, 2021, 82, 105764.	16.0	43
75	CoNiO₂/Co₄N Heterostructure Nanowires Assisted Polysulfide Reaction Kinetics for Improved Lithiumâ€"Sulfur Batteries. Advanced Science, 2022, 9, e2104375.	11.2	42
76	Freestanding Boron Nitride Nanosheet Films for Ultrafast Oil/Water Separation. Small, 2016, 12, 4960-4965.	10.0	40
77	Duplex printing of all-in-one integrated electronic devices for temperature monitoring. Journal of Materials Chemistry A, 2019, 7, 972-978.	10.3	40
78	Interface engineered and surface modulated electrode materials for ultrahigh-energy-density wearable NiCo//Fe batteries. Energy Storage Materials, 2020, 27, 316-326.	18.0	40
79	In Situ Generation of Photosensitive Silver Halide for Improving the Conductivity of Electrically Conductive Adhesives. ACS Applied Materials & Interfaces, 2017, 9, 29047-29054.	8.0	39
80	Highly Efficient Growth of Boron Nitride Nanotubes and the Thermal Conductivity of Their Polymer Composites. Journal of Physical Chemistry C, 2018, 122, 1867-1873.	3.1	39
81	Rational Construction of Selfâ€Standing Sulfurâ€Doped Fe₂O₃ Anodes with Promoted Energy Storage Capability for Wearable Aqueous Rechargeable NiCoâ€Fe Batteries. Advanced Energy Materials, 2020, 10, 2001064.	19.5	39
82	Highly Conductive 3D Segregated Graphene Architecture in Polypropylene Composite with Efficient EMI Shielding. Polymers, 2017, 9, 662.	4.5	38
83	All Binder-Free Electrodes for High-Performance Wearable Aqueous Rechargeable Sodium-Ion Batteries. Nano-Micro Letters, 2019, 11, 101.	27.0	38
84	Rational design of flexible capacitive sensors with highly linear response over a broad pressure sensing range. Nanoscale, 2020, 12, 21198-21206.	5.6	38
85	Advances in synthesis and applications of boron nitride nanotubes: A review. Chemical Engineering Journal, 2022, 431, 134118.	12.7	38
86	Conversion Synthesis of Selfâ€Standing Potassium Zinc Hexacyanoferrate Arrays as Cathodes for Highâ€Voltage Flexible Aqueous Rechargeable Sodiumâ€Ion Batteries. Small, 2019, 15, e1905115.	10.0	37
87	Hierarchically structured VO2@PPy core-shell nanowire arrays grown on carbon nanotube fibers as advanced cathodes for high-performance wearable asymmetric supercapacitors. Carbon, 2018, 139, 21-28.	10.3	36
88	Designer patterned functional fibers via direct imprinting in thermal drawing. Nature Communications, 2020, 11, 3842.	12.8	36
89	Thermally Conductive Graphene Films for Heat Dissipation. ACS Applied Nano Materials, 2020, 3, 2149-2155.	5.0	33
90	Controlled growth of MoS₂ nanopetals and their hydrogen evolution performance. RSC Advances, 2016, 6, 18483-18489.	3.6	32

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91	Superstructured Î±-Fe2O3 nanorods as novel binder-free anodes for high-performing fiber-shaped Ni/Fe battery. Science Bulletin, 2020, 65, 812-819.	9.0	32
92	Recent advances of electrically conductive metal-organic frameworks in electrochemical applications. Materials Today Nano, 2021, 13, 100105.	4.6	32
93	Conductivity enhancement of polymer composites using high-temperature short-time treated silver fillers. Composites Part A: Applied Science and Manufacturing, 2017, 100, 64-70.	7.6	31
94	Free-Standing Black Phosphorus Thin Films for Flexible Quasi-Solid-State Micro-Supercapacitors with High Volumetric Power and Energy Density. ACS Applied Materials & Interfaces, 2019, 11, 5938-5946.	8.0	31
95	All-Solid-State Fiber-Shaped Asymmetric Supercapacitors with Ultrahigh Energy Density Based on Porous Vanadium Nitride Nanowires and Ultrathin Ni(OH)‹sub›2‹/sub› Nanosheet Wrapped NiCo‹sub›2‹/sub›O‹sub›4‹/sub› Nanowires Arrays Electrode. Journal of Physical Chemistry C, 2019, 123, 985-993.	3.1	31
96	Towards ultrahigh-energy-density flexible aqueous rechargeable Ni//Bi batteries: Free-standing hierarchical nanowire arrays core-shell heterostructures system. Energy Storage Materials, 2021, 42, 815-825.	18.0	31
97	The conduction development mechanism of silicone-based electrically conductive adhesives. Journal of Materials Chemistry C, 2013, 1, 4368.	5.5	30
98	All-Metal Phosphide Electrodes for High-Performance Quasi-Solid-State Fiber-Shaped Aqueous Rechargeable Niâ€"Fe Batteries. ACS Applied Materials & Interfaces, 2020, 12, 12801-12808.	8.0	30
99	Roadmap for flexible solid-state aqueous batteries: From materials engineering and architectures design to mechanical characterizations. Materials Science and Engineering Reports, 2022, 148, 100671.	31.8	30
100	Surface-functionalized Fe2O3 nanowire arrays with enhanced pseudocapacitive performance as novel anode materials for high-energy-density fiber-shaped asymmetric supercapacitors. Electrochimica Acta, 2020, 330, 135247.	5.2	29
101	Electrical property enhancement of electrically conductive adhesives through Ag-coated-Cu surface treatment by terephthalaldehyde and iodine. Journal of Materials Chemistry C, 2015, 3, 6178-6184.	5.5	28
102	Flexible quasi-solid-state 2.4 V aqueous asymmetric microsupercapacitors with ultrahigh energy density. Journal of Materials Chemistry A, 2018, 6, 20145-20151.	10.3	28
103	Growth of boron nitride nanotubes from magnesium diboride catalysts. Nanoscale, 2018, 10, 13895-13901.	5.6	28
104	Achieving ultrahigh-energy-density in flexible and lightweight all-solid-state internal asymmetric tandem 6.6â€V all-in-one supercapacitors. Energy Storage Materials, 2020, 25, 893-902.	18.0	27
105	Transfer of vertically aligned carbon nanotube arrays onto flexible substrates for gecko-inspired dry adhesive application. RSC Advances, 2015, 5, 46749-46759.	3.6	26
106	Bimetallic catalytic growth of boron nitride nanotubes. Nanoscale, 2017, 9, 1816-1819.	5.6	25
107	Regulation of multidimensional silver nanostructures for high-performance composite conductive adhesives. Composites Part A: Applied Science and Manufacturing, 2020, 137, 106025.	7.6	25
108	Hot pressing-induced alignment of hexagonal boron nitride in SEBS elastomer for superior thermally conductive composites. RSC Advances, 2018, 8, 25835-25845.	3.6	24

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109	Fully Solarâ€Powered Uninterrupted Overall Waterâ€Splitting Systems. Advanced Functional Materials, 2019, 29, 1808889.	14.9	24
110	Highâ€Capacity Ironâ€Based Anodes for Aqueous Secondary Nickelâ˜Iron Batteries: Recent Progress and Prospects. ChemElectroChem, 2021, 8, 274-290.	3.4	23
111	Boron nitride nanotubes grown on stainless steel from a mixture of diboron trioxide and boron. Chemical Physics Letters, 2017, 687, 307-311.	2.6	22
112	Rational Design of Hierarchical Titanium Nitride@Vanadium Pentoxide Coreâ€“Shell Heterostructure Fibrous Electrodes for High-Performance 1.6 V Nonpolarity Wearable Supercapacitors. ACS Applied Materials & Interfaces, 2018, 10, 29705-29711.	8.0	22
113	The exceptionally high thermal conductivity after â€˜alloyingâ€™ two-dimensional gallium nitride (GaN) and aluminum nitride (AlN). Nanotechnology, 2021, 32, 135401.	2.6	22
114	Highly Efficient Mass Production of Boron Nitride Nanosheets via a Borate Nitridation Method. Journal of Physical Chemistry C, 2018, 122, 17370-17377.	3.1	21
115	Magnesium-induced preparation of boron nitride nanotubes and their application in thermal interface materials. Nanoscale, 2019, 11, 11457-11463.	5.6	21
116	Remote catalyzation for growth of boron nitride nanotubes by low pressure chemical vapor deposition. Chemical Physics Letters, 2016, 652, 27-31.	2.6	20
117	Atomic Modulation of 3D Conductive Frameworks Boost Performance of MnO2 for Coaxial Fiber-Shaped Supercapacitors. Nano-Micro Letters, 2021, 13, 4.	27.0	20
118	Tuning the structures of boron nitride nanosheets by template synthesis and their application as lubrication additives in water. Applied Surface Science, 2019, 479, 119-127.	6.1	19
119	An integrated strategy towards the high-yield fabrication of soluble boron nitride nanosheets. Chemical Engineering Journal, 2019, 360, 1407-1415.	12.7	19
120	Hierarchical NiCoP nanosheet arrays with enhanced electrochemical properties for high-performance wearable hybrid capacitors. Journal of Alloys and Compounds, 2019, 781, 783-789.	5.5	19
121	High-Performance and Ultraflexible Aqueous Rechargeable Lithium-Ion Batteries Developed by Constructing All Binder-free Electrode Materials. ACS Applied Materials & Interfaces, 2020, 12, 25700-25708.	8.0	18
122	Flexible Tactile Sensor Based on Patterned Ag-Nanofiber Electrodes through Electrospinning. Sensors, 2021, 21, 2413.	3.8	18
123	Fiber-Shaped Electrochemical Capacitors Based on Plasma-Engraved Graphene Fibers with Oxygen Vacancies for Alternating Current Line Filtering Performance. ACS Applied Energy Materials, 2019, 2, 993-999.	5.1	16
124	Scalable production of high-quality boron nitride nanosheets via a recyclable salt-templating method. Green Chemistry, 2019, 21, 6746-6753.	9.0	16
125	Structure-induced partial phase transformation endows hollow TiO₂/TiN heterostructure fibers stacked with nanosheet arrays with extraordinary sodium storage performance. Journal of Materials Chemistry A, 2021, 9, 12109-12118.	10.3	16
126	Large-scale fabrication of boron nitride nanotubes and their application in thermoplastic polyurethane based composite for improved thermal conductivity. Ceramics International, 2018, 44, 22794-22799.	4.8	15

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127	Direct Growth of Nanographene on Silicon with Thin Oxide Layer for Highâ€Performance Nanographeneâ€Oxideâ€Silicon Diodes. Advanced Functional Materials, 2014, 24, 7613-7618.	14.9	13
128	Ammonium-tungstate-promoted growth of boron nitride nanotubes. Nanotechnology, 2018, 29, 195604.	2.6	12
129	Tribological characteristics of boron nitride nanosheets on silicon wafers obtained by the reaction of MgB 2 and NH 3. Surface and Coatings Technology, 2018, 340, 36-44.	4.8	12
130	Surfactant-modified Zn nanosheets on carbon paper for electrochemical CO₂ reduction to CO. Chemical Communications, 2022, 58, 5096-5099.	4.1	11
131	Double-Sided Transferred Carbon Nanotube Arrays for Improved Thermal Interface Materials. Journal of Electronic Packaging, Transactions of the ASME, 2015, 137, .	1.8	10
132	Advanced Thermally Drawn Multimaterial Fibers: Structure-Enabled Functionalities. Advanced Devices & Instrumentation, 2021, 2021, .	6.5	10
133	Fabrication of thermally conductive polymer composites based on hexagonal boron nitride: recent progresses and prospects. Nano Express, 2021, 2, 042002.	2.4	8
134	Single/few-layer boron nitride-based nanocomposites for high thermal conductivity underfills. , 2012, , .		7
135	Low-cost micrometer-scale silicon vias (SVs) fabrication by metal-assisted chemical etching (MaCE) and carbon nanotubes (CNTs) filling. , 2013, , .		7
136	CoPt/CeO₂ catalysts for the growth of narrow diameter semiconducting single-walled carbon nanotubes. Nanoscale, 2015, 7, 19699-19704.	5.6	7
137	Unique Arrangement of Atoms Leads to Low Thermal Conductivity: A Comparative Study of Monolayer Mg₂C. Journal of Physical Chemistry Letters, 2021, 12, 10353-10358.	4.6	7
138	A green and facile method to fabricate multifunctional and highly thermally conductive boron nitrideâ€based polymer composites. Journal of Applied Polymer Science, 2022, 139, .	2.6	7
139	2D PbS Nanosheets with Zigzag Edges for Efficient CO 2 Photoconversion. Chemistry - A European Journal, 2020, 26, 13601-13605.	3.3	6
140	Horizontally aligned surface segments enhancing the adhesion of carbon nanotube forests. Carbon, 2021, 176, 540-547.	10.3	6
141	The MgB₂-catalyzed growth of boron nitride nanotubes using B/MgO as a boron containing precursor. Nanoscale Advances, 2020, 2, 2731-2737.	4.6	5
142	Recent Advances and Prospects of Fiberâ€Shaped Rechargeable Aqueous Alkaline Batteries. Advanced Energy and Sustainability Research, 2021, 2, 2100060.	5.8	5
143	Nanomaterials enhancing the solid-state storage and decomposition of ammonia. Nanotechnology, 2022, 33, 222001.	2.6	4
144	Carbon nanotubes inhibit the freeâ€radical crossâ€linking of siloxane polymers. Journal of Applied Polymer Science, 2014, 131, .	2.6	3

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145	Solution-processed anchoring zinc oxide quantum dots on covalently modified graphene oxide. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	3
146	Successive layer-by-layer deposition of metal (Mo, Ag)/BN/MoS2 nanolaminate films and the electric properties of BN/MoS2 heterostructure on different metal substrates. Journal of Materials Science: Materials in Electronics, 2020, 31, 9559-9567.	2.2	3
147	Water Vapor Treatment for Decreasing the Adhesion between Vertically Aligned Carbon Nanotubes and the Growth Substrate. Chemical Vapor Deposition, 2013, 19, 224-227.	1.3	2
148	Highâ€Capacity Ironâ€Based Anodes for Aqueous Secondary Nickelâ€"Iron Batteries: Recent Progress and Prospects. ChemElectroChem, 2021, 8, 273-273.	3.4	2
149	Precise Proton Redistribution for Twoâ€Electron Redox in Aqueous Zinc/Manganese Dioxide Batteries (Adv. Energy Mater. 41/2021). Advanced Energy Materials, 2021, 11, 2170162.	19.5	2
150	Influence of self-consistent screening and polarizability contractions on interlayer sliding behavior of hexagonal boron nitride. Physical Review B, 2017, 96, .	3.2	1
151	Surface engineering of graphene for high performance supercapacitors. , 2011, , .		0
152	Electrically conductive adhesives based on thermoplastic polyurethane filled with carbon nanotubes. , 2016, , .		0