

Yagang Yao

List of Publications by Year in descending order

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152
papers

10,094
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39575

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docs citations

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times ranked

9816
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Advanced Multifunctional Aqueous Rechargeable Batteries Design: From Materials and Devices to Systems. <i>Advanced Materials</i> , 2022, 34, e2104327. | 11.1 | 78 |
| 2 | Roadmap on the protective strategies of zinc anodes in aqueous electrolyte. <i>Energy Storage Materials</i> , 2022, 44, 104-135. | 9.5 | 94 |
| 3 | An electrospinningâ€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 |
| 4 | Advances in synthesis and applications of boron nitride nanotubes: A review. <i>Chemical Engineering Journal</i> , 2022, 431, 134118. | 6.6 | 38 |
| 5 | Surfactant-modified Zn nanosheets on carbon paper for electrochemical CO ₂ reduction to CO. <i>Chemical Communications</i> , 2022, 58, 5096-5099. | 2.2 | 11 |
| 6 | â€œOne Stone Two Birdsâ€ Design for Dualâ€Functional TiO ₂ /TiN Heterostructures Enabled Dendriteâ€Free and Kineticsâ€Enhanced Lithiumâ€Sulfur Batteries. <i>Advanced Energy Materials</i> , 2022, 12, . | 10.2 | 80 |
| 7 | Nanomaterials enhancing the solid-state storage and decomposition of ammonia. <i>Nanotechnology</i> , 2022, 33, 222001. | 1.3 | 4 |
| 8 | A green and facile method to fabricate multifunctional and highly thermally conductive boron nitrideâ€based polymer composites. <i>Journal of Applied Polymer Science</i> , 2022, 139, . | 1.3 | 7 |
| 9 | 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 |
| 10 | CoNiO ₂ /Co ₄ N Heterostructure Nanowires Assisted Polysulfide Reaction Kinetics for Improved Lithiumâ€Sulfur Batteries. <i>Advanced Science</i> , 2022, 9, e2104375. | 5.6 | 42 |
| 11 | Freestanding Metalâ€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 |
| 12 | 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 |
| 13 | Recent advances of electrically conductive metal-organic frameworks in electrochemical applications. <i>Materials Today Nano</i> , 2021, 13, 100105. | 2.3 | 32 |
| 14 | Highâ€Capacity Ironâ€Based Anodes for Aqueous Secondary Nickelâ€Iron Batteries: Recent Progress and Prospects. <i>ChemElectroChem</i> , 2021, 8, 274-290. | 1.7 | 23 |
| 15 | Boosting Zn-ion storage capability of self-standing Zn-doped Co ₃ O ₄ 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 |
| 16 | A hierarchical heterostructure of CdS QDs confined on 3D ZnIn ₂ S ₄ with boosted charge transfer for photocatalytic CO ₂ reduction. <i>Nano Research</i> , 2021, 14, 81-90. | 5.8 | 84 |
| 17 | Realizing an Allâ€Round Hydrogel Electrolyte toward Environmentally Adaptive Dendriteâ€Free Aqueous Znâ€MnO ₂ Batteries. <i>Advanced Materials</i> , 2021, 33, e2007559. | 11.1 | 250 |
| 18 | Structure-induced partial phase transformation endows hollow TiO ₂ /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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | The exceptionally high thermal conductivity after δ -alloying™ two-dimensional gallium nitride (GaN) and aluminum nitride (AlN). <i>Nanotechnology</i> , 2021, 32, 135401. | 1.3 | 22 |
| 20 | 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 |
| 21 | 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 |
| 22 | Self-powered multifunctional sensing based on super-elastic fibers by soluble-core thermal drawing. <i>Nature Communications</i> , 2021, 12, 1416. | 5.8 | 68 |
| 23 | 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 |
| 24 | Advanced Thermally Drawn Multimaterial Fibers: Structure-Enabled Functionalities. <i>Advanced Devices & Instrumentation</i> , 2021, 2021, . | 4.0 | 10 |
| 25 | Flexible Tactile Sensor Based on Patterned Ag-Nanofiber Electrodes through Electrospinning. <i>Sensors</i> , 2021, 21, 2413. | 2.1 | 18 |
| 26 | NaTi ₂ (PO ₄) ₃ 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 |
| 27 | Horizontally aligned surface segments enhancing the adhesion of carbon nanotube forests. <i>Carbon</i> , 2021, 176, 540-547. | 5.4 | 6 |
| 28 | Recent Advances and Prospects of Fiber-Shaped Rechargeable Aqueous Alkaline Batteries. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100060. | 2.8 | 5 |
| 29 | 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 |
| 30 | Epitaxial growth of wafer-scale molybdenum disulfide semiconductor single crystals on sapphire. <i>Nature Nanotechnology</i> , 2021, 16, 1201-1207. | 15.6 | 339 |
| 31 | 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 |
| 32 | Precise Proton Redistribution for Two-Electron Redox in Aqueous Zinc/Manganese Dioxide Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2102055. | 10.2 | 55 |
| 33 | 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 |
| 34 | 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 |
| 35 | Unique Arrangement of Atoms Leads to Low Thermal Conductivity: A Comparative Study of Monolayer Mg ₂ C. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10353-10358. | 2.1 | 7 |
| 36 | High-Capacity Iron-Based Anodes for Aqueous Secondary Nickel-Iron Batteries: Recent Progress and Prospects. <i>ChemElectroChem</i> , 2021, 8, 273-273. | 1.7 | 2 |

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| 37 | Precise Proton Redistribution for Two-Electron Redox in Aqueous Zinc/Manganese Dioxide Batteries (Adv. Energy Mater. 41/2021). Advanced Energy Materials, 2021, 11, 2170162. | 10.2 | 2 |
| 38 | Binder-free NaTi ₂ (PO ₄) ₃ anodes for high-performance coaxial-fiber aqueous rechargeable sodium-ion batteries. Nano Energy, 2020, 67, 104212. | 8.2 | 70 |
| 39 | Achieving ultrahigh-energy-density in flexible and lightweight all-solid-state internal asymmetric tandem 6.6 V all-in-one supercapacitors. Energy Storage Materials, 2020, 25, 893-902. | 9.5 | 27 |
| 40 | All-in-one stretchable coaxial-fiber strain sensor integrated with high-performing supercapacitor. Energy Storage Materials, 2020, 25, 124-130. | 9.5 | 100 |
| 41 | Stitching of Zn ₃ (OH) ₂ V ₂ O ₇ ·2H ₂ O 2D Nanosheets by 1D Carbon Nanotubes Boosts Ultrahigh Rate for Wearable Quasi-Solid-State Zinc-Ion Batteries. ACS Nano, 2020, 14, 842-853. | 7.3 | 183 |
| 42 | Surface-functionalized Fe ₂ O ₃ nanowire arrays with enhanced pseudocapacitive performance as novel anode materials for high-energy-density fiber-shaped asymmetric supercapacitors. Electrochimica Acta, 2020, 330, 135247. | 2.6 | 29 |
| 43 | Nickel metal-organic framework nanosheets as novel binder-free cathode for advanced fibrous aqueous rechargeable Ni-Zn battery. Journal of Materials Chemistry A, 2020, 8, 3262-3269. | 5.2 | 68 |
| 44 | Rational design of flexible capacitive sensors with highly linear response over a broad pressure sensing range. Nanoscale, 2020, 12, 21198-21206. | 2.8 | 38 |
| 45 | Designer patterned functional fibers via direct imprinting in thermal drawing. Nature Communications, 2020, 11, 3842. | 5.8 | 36 |
| 46 | 2D PbS Nanosheets with Zigzag Edges for Efficient CO ₂ Photoconversion. Chemistry - A European Journal, 2020, 26, 13601-13605. | 1.7 | 6 |
| 47 | MOF-derived vertically stacked Mn ₂ O ₃ @C flakes for fiber-shaped zinc-ion batteries. Journal of Materials Chemistry A, 2020, 8, 24031-24039. | 5.2 | 48 |
| 48 | Successive layer-by-layer deposition of metal (Mo, Ag)/BN/MoS ₂ nanolaminate films and the electric properties of BN/MoS ₂ heterostructure on different metal substrates. Journal of Materials Science: Materials in Electronics, 2020, 31, 9559-9567. | 1.1 | 3 |
| 49 | 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. | 4.0 | 18 |
| 50 | The MgB ₂ -catalyzed growth of boron nitride nanotubes using B/MgO as a boron containing precursor. Nanoscale Advances, 2020, 2, 2731-2737. | 2.2 | 5 |
| 51 | Regulation of multidimensional silver nanostructures for high-performance composite conductive adhesives. Composites Part A: Applied Science and Manufacturing, 2020, 137, 106025. | 3.8 | 25 |
| 52 | Superstructured γ -Fe ₂ O ₃ nanorods as novel binder-free anodes for high-performing fiber-shaped Ni/Fe battery. Science Bulletin, 2020, 65, 812-819. | 4.3 | 32 |
| 53 | Rational Construction of Self-Standing Sulfur-Doped Fe ₂ O ₃ Anodes with Promoted Energy Storage Capability for Wearable Aqueous Rechargeable NiCo-Fe Batteries. Advanced Energy Materials, 2020, 10, 2001064. | 10.2 | 39 |
| 54 | Engineering MoS ₂ Nanosheets on Spindle-Like γ -Fe ₂ O ₃ as High-Performance Core-Shell Pseudocapacitive Anodes for Fiber-Shaped Aqueous Lithium-Ion Capacitors. Advanced Functional Materials, 2020, 30, 2003967. | 7.8 | 60 |

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|----|--|-----|-----------|
| 55 | All-Metal Phosphide Electrodes for High-Performance Quasi-Solid-State Fiber-Shaped Aqueous Rechargeable Ni ²⁺ /Fe Batteries. ACS Applied Materials & Interfaces, 2020, 12, 12801-12808. | 4.0 | 30 |
| 56 | Interface engineered and surface modulated electrode materials for ultrahigh-energy-density wearable NiCo//Fe batteries. Energy Storage Materials, 2020, 27, 316-326. | 9.5 | 40 |
| 57 | Thermally Conductive Graphene Films for Heat Dissipation. ACS Applied Nano Materials, 2020, 3, 2149-2155. | 2.4 | 33 |
| 58 | 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. Nano Energy, 2019, 64, 103935. | 8.2 | 107 |
| 59 | First-principles study of electronic, optical and thermal transport properties of group III-VI monolayer MX (M = Ga, In; X = S, Se). Journal of Applied Physics, 2019, 125, . | 1.1 | 61 |
| 60 | Metal-Level Thermally Conductive yet Soft Graphene Thermal Interface Materials. ACS Nano, 2019, 13, 11561-11571. | 7.3 | 214 |
| 61 | Flexible all-solid-state fiber-shaped Ni ²⁺ /Fe batteries with high electrochemical performance. Journal of Materials Chemistry A, 2019, 7, 520-530. | 5.2 | 70 |
| 62 | An ultra-high endurance and high-performance quasi-solid-state fiber-shaped Zn ²⁺ /Ag ₂ O battery to harvest wind energy. Journal of Materials Chemistry A, 2019, 7, 2034-2040. | 5.2 | 70 |
| 63 | 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. | 2.5 | 16 |
| 64 | Duplex printing of all-in-one integrated electronic devices for temperature monitoring. Journal of Materials Chemistry A, 2019, 7, 972-978. | 5.2 | 40 |
| 65 | Magnesium-induced preparation of boron nitride nanotubes and their application in thermal interface materials. Nanoscale, 2019, 11, 11457-11463. | 2.8 | 21 |
| 66 | 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. Journal of Materials Chemistry A, 2019, 7, 12997-13006. | 5.2 | 89 |
| 67 | Flexible and High-Voltage Coaxial-Fiber Aqueous Rechargeable Zinc-Ion Battery. Nano Letters, 2019, 19, 4035-4042. | 4.5 | 202 |
| 68 | Direct Ink Writing of Adjustable Electrochemical Energy Storage Device with High Gravimetric Energy Densities. Advanced Functional Materials, 2019, 29, 1900809. | 7.8 | 94 |
| 69 | 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. Journal of Materials Chemistry A, 2019, 7, 12979-12986. | 5.2 | 101 |
| 70 | 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. | 3.1 | 19 |
| 71 | Scalable production of high-quality boron nitride nanosheets via a recyclable salt-templating method. Green Chemistry, 2019, 21, 6746-6753. | 4.6 | 16 |
| 72 | A one-dimensional channel self-standing MOF cathode for ultrahigh-energy-density flexible Ni ²⁺ /Zn batteries. Journal of Materials Chemistry A, 2019, 7, 27217-27224. | 5.2 | 73 |

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|----|--|------|-----------|
| 73 | All Binder-Free Electrodes for High-Performance Wearable Aqueous Rechargeable Sodium-Ion Batteries. <i>Nano-Micro Letters</i> , 2019, 11, 101. | 14.4 | 38 |
| 74 | 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 |
| 75 | Large improvement of thermal transport and mechanical performance of polyvinyl alcohol composites based on interface enhanced by SiO ₂ nanoparticle-modified-hexagonal boron nitride. <i>Composites Science and Technology</i> , 2019, 169, 167-175. | 3.8 | 80 |
| 76 | 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 |
| 77 | Free-Standing Black Phosphorus Thin Films for Flexible Quasi-Solid-State Micro-Supercapacitors with High Volumetric Power and Energy Density. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5938-5946. | 4.0 | 31 |
| 78 | Fully Solar-Powered Uninterrupted Overall Water-Splitting Systems. <i>Advanced Functional Materials</i> , 2019, 29, 1808889. | 7.8 | 24 |
| 79 | All-Solid-State Fiber Supercapacitors with Ultrahigh Volumetric Energy Density and Outstanding Flexibility. <i>Advanced Energy Materials</i> , 2019, 9, 1802753. | 10.2 | 197 |
| 80 | 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 |
| 81 | 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 |
| 82 | 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 |
| 83 | 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 |
| 84 | Ammonium-tungstate-promoted growth of boron nitride nanotubes. <i>Nanotechnology</i> , 2018, 29, 195604. | 1.3 | 12 |
| 85 | Hierarchically-structured Co ₃ O ₄ 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 |
| 86 | Tribological characteristics of boron nitride nanosheets on silicon wafers obtained by the reaction of MgB ₂ and NH ₃ . <i>Surface and Coatings Technology</i> , 2018, 340, 36-44. | 2.2 | 12 |
| 87 | 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 |
| 88 | 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 |
| 89 | 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 |
| 90 | 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 |

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| 91 | Hot-pressing induced alignment of boron nitride in polyurethane for composite films with thermal conductivity over 50 W m ⁻¹ K ⁻¹ . <i>Composites Science and Technology</i> , 2018, 160, 199-207. | 3.8 | 212 |
| 92 | 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 |
| 93 | 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 |
| 94 | Facile Synthesis of Na-Doped MnO ₂ Nanosheets on Carbon Nanotube Fibers for Ultrahigh-Energy-Density All-Solid-State Wearable Asymmetric Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37233-37241. | 4.0 | 60 |
| 95 | 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 |
| 96 | 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 |
| 97 | Metal-Organic Framework Derived Spindle-like Carbon Incorporated Fe ₂ 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 |
| 98 | 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 |
| 99 | 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 |
| 100 | Growth of boron nitride nanotubes from magnesium diboride catalysts. <i>Nanoscale</i> , 2018, 10, 13895-13901. | 2.8 | 28 |
| 101 | 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 |
| 102 | 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 |
| 103 | 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 |
| 104 | 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 |
| 105 | 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 & Interfaces</i> , 2018, 10, 29705-29711. | 4.0 | 22 |
| 106 | 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 |
| 107 | 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 |
| 108 | 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 |

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|-----|---|-----|-----------|
| 109 | Hierarchically structured VO ₂ @PPy core-shell nanowire arrays grown on carbon nanotube fibers as advanced cathodes for high-performance wearable asymmetric supercapacitors. Carbon, 2018, 139, 21-28. | 5.4 | 36 |
| 110 | Conductivity enhancement of polymer composites using high-temperature short-time treated silver fillers. Composites Part A: Applied Science and Manufacturing, 2017, 100, 64-70. | 3.8 | 31 |
| 111 | A facile method to prepare flexible boron nitride/poly(vinyl alcohol) composites with enhanced thermal conductivity. Composites Science and Technology, 2017, 149, 41-47. | 3.8 | 170 |
| 112 | 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. | 4.5 | 281 |
| 113 | Enhanced through-plane thermal conductivity of boron nitride/epoxy composites. Composites Part A: Applied Science and Manufacturing, 2017, 98, 25-31. | 3.8 | 242 |
| 114 | An all-solid-state, lightweight, and flexible asymmetric supercapacitor based on cabbage-like ZnCo ₂ O ₄ and porous VN nanowires electrode materials. Journal of Materials Chemistry A, 2017, 5, 6928-6936. | 5.2 | 81 |
| 115 | Bimetallic catalytic growth of boron nitride nanotubes. Nanoscale, 2017, 9, 1816-1819. | 2.8 | 25 |
| 116 | Influence of self-consistent screening and polarizability contractions on interlayer sliding behavior of hexagonal boron nitride. Physical Review B, 2017, 96, . | 1.1 | 1 |
| 117 | Boron nitride nanotubes grown on stainless steel from a mixture of diboron trioxide and boron. Chemical Physics Letters, 2017, 687, 307-311. | 1.2 | 22 |
| 118 | Enhanced thermal conductivity of free-standing 3D hierarchical carbon nanotube-graphene hybrid paper. Composites Part A: Applied Science and Manufacturing, 2017, 102, 1-8. | 3.8 | 70 |
| 119 | In Situ Generation of Photosensitive Silver Halide for Improving the Conductivity of Electrically Conductive Adhesives. ACS Applied Materials & Interfaces, 2017, 9, 29047-29054. | 4.0 | 39 |
| 120 | Constructing hierarchical dandelion-like molybdenum-nickel-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. | 5.2 | 63 |
| 121 | Constructing Ultrahigh-Capacity Zinc-Nickel-Cobalt Oxide@Ni(OH) ₂ Core-Shell Nanowire Arrays for High-Performance Coaxial Fiber-Shaped Asymmetric Supercapacitors. Nano Letters, 2017, 17, 7552-7560. | 4.5 | 231 |
| 122 | Stretchable fiber-shaped asymmetric supercapacitors with ultrahigh energy density. Nano Energy, 2017, 39, 219-228. | 8.2 | 200 |
| 123 | Highly Conductive 3D Segregated Graphene Architecture in Polypropylene Composite with Efficient EMI Shielding. Polymers, 2017, 9, 662. | 2.0 | 38 |
| 124 | Controlled growth of MoS ₂ nanopetals and their hydrogen evolution performance. RSC Advances, 2016, 6, 18483-18489. | 1.7 | 32 |
| 125 | Electrically conductive adhesives based on thermoplastic polyurethane filled with silver flakes and carbon nanotubes. Composites Science and Technology, 2016, 129, 191-197. | 3.8 | 73 |
| 126 | Remote catalyzation for growth of boron nitride nanotubes by low pressure chemical vapor deposition. Chemical Physics Letters, 2016, 652, 27-31. | 1.2 | 20 |

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|-----|---|-----|-----------|
| 127 | Freestanding Boron Nitride Nanosheet Films for Ultrafast Oil/Water Separation. <i>Small</i> , 2016, 12, 4960-4965. | 5.2 | 40 |
| 128 | Electrically conductive adhesives based on thermoplastic polyurethane filled with carbon nanotubes. , 2016, , . | | 0 |
| 129 | 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 |
| 130 | Nonvolatile Floatingâ€Gate Memories Based on Stacked Black Phosphorusâ€Boron Nitrideâ€MoS ₂ Heterostructures. <i>Advanced Functional Materials</i> , 2015, 25, 7360-7365. | 7.8 | 129 |
| 131 | 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 |
| 132 | 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 |
| 133 | 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 |
| 134 | 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 |
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| 136 | 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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