# Jianxin Geng

List of Publications by Year
in descending order

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Version: 2024-02-01

| | | 87888 | 82547 |
|---|---|---|---|
| 91 | 5,356 | 38 | 72 |
| papers | citations | h-index | g-index |

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|---|---|---|---|
| 92 | 92 | 92 | 8608 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Singleâ€Atom Catalyst Aggregates: Sizeâ€Matching is Critical to Electrocatalytic Performance in Sulfur Cathodes. Advanced Science, 2022, 9, e2103773. | 11.2 | 40 |
| 2 | Covalently Grafting Sulfur-Containing Polymers to Carbon Nanotubes Enhances the Electrochemical Performance of Sulfur Cathodes. ACS Applied Polymer Materials, 2022, 4, 939-949. | 4.4 | 13 |
| 3 | Encoding Enantiomeric Molecular Chiralities on Graphene Basal Planes. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 10 |
| 4 | Zeolitic Imidazolate Framework-Derived Co-Fe@NC for Rechargeable Hybrid Sodiumâ€“Air Battery with a Low Voltage Gap and Long Cycle Life. ACS Applied Energy Materials, 2022, 5, 1662-1671. | 5.1 | 8 |
| 5 | Surface reconstruction establishing Mott-Schottky heterojunction and built-in space-charging effect accelerating oxygen evolution reaction. Nano Research, 2022, 15, 2952-2960. | 10.4 | 15 |
| 6 | Coaxially grafting conjugated microporous polymers containing single-atom cobalt catalysts to carbon nanotubes enhances sulfur cathode reaction kinetics. Chemical Engineering Journal, 2022, 444, 136546. | 12.7 | 24 |
| 7 | Covalently grafting conjugated porous polymers to MXene offers a two-dimensional sandwich-structured electrocatalytic sulfur host for lithiumâ€“sulfur batteries. Chemical Engineering Journal, 2022, 446, 137365. | 12.7 | 25 |
| 8 | Carbonâ€Based Materials as Lithium Hosts for Lithium Batteries. Chemistry - A European Journal, 2022, 28, . | 3.3 | 9 |
| 9 | Aluminumâ^'lithium alloy as a stable and reversible anode for lithium batteries. Electrochimica Acta, 2021, 368, 137626. | 5.2 | 33 |
| 10 | Ice-Templated Large-Scale Preparation of Two-Dimensional Sheets of Conjugated Polymers: Thickness-Independent Flexible Supercapacitance. ACS Nano, 2021, 15, 8870-8882. | 14.6 | 39 |
| 11 | Regulating Lithium Plating and Stripping by Using Vertically Aligned Graphene/CNT Channels Decorated with ZnO Particles. Chemistry - A European Journal, 2021, 27, 15706-15715. | 3.3 | 13 |
| 12 | A Conjugated Porous Polymer Complexed with a Single-Atom Cobalt Catalyst as An Electrocatalytic Sulfur Host for Enhancing Cathode Reaction Kinetics. Energy Storage Materials, 2021, 41, 14-23. | 18.0 | 51 |
| 13 | Agarose-Based Hierarchical Porous Carbons Prepared with Gas-Generating Activators and Used in High-Power Density Supercapacitors. Energy & Fuels, 2021, 35, 19775-19783. | 5.1 | 5 |
| 14 | Sulfur covalently bonded to porous graphitic carbon as an anode material for lithium-ion capacitors with high energy storage performance. Journal of Materials Chemistry A, 2020, 8, 62-68. | 10.3 | 31 |
| 15 | Unveiling the Origin of Catalytic Sites of Pt Nanoparticles Decorated on Oxygen-Deficient Vanadium-Doped Cobalt Hydroxide Nanosheet for Hybrid Sodiumâ€“Air Batteries. ACS Applied Energy Materials, 2020, 3, 7464-7473. | 5.1 | 9 |
| 16 | Recent Advances in Polymer-Based Photothermal Materials for Biological Applications. ACS Applied Polymer Materials, 2020, 2, 4273-4288. | 4.4 | 65 |
| 17 | State-of-the-Art Applications of 2D Nanomaterials in Energy Storage. ACS Symposium Series, 2020, , 253-293. | 0.5 | 5 |
| 18 | Electrocatalysis: Kinetic Enhancement of Sulfur Cathodes by Nâ€Doped Porous Graphitic Carbon with Bound VN Nanocrystals (Small 48/2020). Small, 2020, 16, 2070261. | 10.0 | 2 |

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|---|---|---|---|
| 19 | Kinetic Enhancement of Sulfur Cathodes by Nâ€Doped Porous Graphitic Carbon with Bound VN Nanocrystals. Small, 2020, 16, e2004950. | 10.0 | 64 |
| 20 | Tandem chemical modification/mechanical exfoliation of graphite: Scalable synthesis of high-quality, surface-functionalized graphene. Carbon, 2019, 145, 668-676. | 10.3 | 57 |
| 21 | Covalent Confinement of Sulfur Copolymers onto Graphene Sheets Affords Ultrastable Lithiumâ€“Sulfur Batteries with Fast Cathode Kinetics. ACS Applied Materials & Interfaces, 2019, 11, 13234-13243. | 8.0 | 50 |
| 22 | Rational design of sulfur-containing composites for high-performance lithiumâ€“sulfur batteries. APL Materials, 2019, 7, . | 5.1 | 30 |
| 23 | Synthesis of a Macroporous Conjugated Polymer Framework: Iron Doping for Highly Stable, Highly Efficient Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2019, 11, 3087-3097. | 8.0 | 52 |
| 24 | The preparation and functional applications of carbon nanomaterial/conjugated polymer composites. Composites Communications, 2019, 12, 64-73. | 6.3 | 55 |
| 25 | Covalent bonding of sulfur nanoparticles to unzipped multiwalled carbon nanotubes for high-performance lithiumâ€“sulfur batteries. Nanotechnology, 2019, 30, 024001. | 2.6 | 22 |
| 26 | High-performance solution-based CdS-conjugated hybrid polymer solar cells. RSC Advances, 2018, 8, 18051-18058. | 3.6 | 26 |
| 27 | Macroporous Graphene Thin Films as Electrochemical Electrodes: Enhancing the Sensitivity for Detection of Metal Ions. Journal of Nanoscience and Nanotechnology, 2018, 18, 4100-4105. | 0.9 | 3 |
| 28 | Tuning the Surface Properties of Graphene Oxide by Surface-Initiated Polymerization of Epoxides: An Efficient Method for Enhancing Gas Separation. ACS Applied Materials & Interfaces, 2017, 9, 4998-5005. | 8.0 | 53 |
| 29 | Enhanced Photothermal Bactericidal Activity of the Reduced Graphene Oxide Modified by Cationic Water-Soluble Conjugated Polymer. ACS Applied Materials & Interfaces, 2017, 9, 5382-5391. | 8.0 | 81 |
| 30 | Coreâ€“Shell Structured Polyamide 66 Nanofibers with Enhanced Flame Retardancy. ACS Omega, 2017, 2, 2665-2671. | 3.5 | 31 |
| 31 | Fabrication of polythiophene patterns through blending of a thermally curable polythiophene with poly(methyl methacrylate) and selective thermal curation. Chinese Journal of Polymer Science (English Edition), 2017, 35, 422-433. | 3.8 | 4 |
| 32 | Graphene Oxide Facilitates Solventâ€Free Synthesis of Wellâ€Dispersed, Faceted Zeolite Crystals. Angewandte Chemie - International Edition, 2017, 56, 14090-14095. | 13.8 | 41 |
| 33 | Graphene Oxide Facilitates Solventâ€Free Synthesis of Wellâ€Dispersed, Faceted Zeolite Crystals. Angewandte Chemie, 2017, 129, 14278-14283. | 2.0 | 18 |
| 34 | Tuning the morphologies of fluorine-doped tin oxides in the three-dimensional architecture of graphene for high-performance lithium-ion batteries. Nanotechnology, 2017, 28, 395404. | 2.6 | 20 |
| 35 | Lightweight and Ultrastrong Polymer Foams with Unusually Superior Flame Retardancy. ACS Applied Materials & Interfaces, 2017, 9, 26392-26399. | 8.0 | 66 |
| 36 | Towards efficient and cost-effective inverted hybrid organic solar cells using inorganic semiconductor in the active layer. Applied Nanoscience (Switzerland), 2017, 7, 747-752. | 3.1 | 11 |

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|---|---|---|---|
| 37 | Controlled Growth of Well-Defined Conjugated Polymers from the Surfaces of Multiwalled Carbon Nanotubes: Photoresponse Enhancement via Charge Separation. ACS Nano, 2016, 10, 5189-5198. | 14.6 | 34 |
| 38 | Conjunction of Conducting Polymer Nanostructures with Macroporous Structured Graphene Thin Films for High-Performance Flexible Supercapacitors. ACS Applied Materials & Interfaces, 2016, 8, 11711-11719. | 8.0 | 57 |
| 39 | Cellulose Tailored Anatase TiO<sub>2</sub> Nanospindles in Three-Dimensional Graphene Composites for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2016, 8, 12165-12175. | 8.0 | 91 |
| 40 | Three-dimensional porous carbon composites containing high sulfur nanoparticle content for high-performance lithiumâ€“sulfur batteries. Nature Communications, 2016, 7, 10601. | 12.8 | 637 |
| 41 | Controllable Fabrication of Transparent Macroporous Graphene Thin Films and Versatile Applications as a Conducting Platform. Advanced Functional Materials, 2015, 25, 4334-4343. | 14.9 | 25 |
| 42 | Graphene Oxide: A Versatile Agent for Polyimide Foams with Improved Foaming Capability and Enhanced Flexibility. Chemistry of Materials, 2015, 27, 4358-4367. | 6.7 | 66 |
| 43 | Tunable Functionalization of Graphene Oxide Sheets through Surface-Initiated Cationic Polymerization. Macromolecules, 2015, 48, 994-1001. | 4.8 | 60 |
| 44 | Synergetic deoxy reforming of cellulose and fatty acid esters for liquid hydrocarbon-rich oils. Bioresource Technology, 2015, 196, 217-224. | 9.6 | 10 |
| 45 | Fluorine-Doped SnO<sub>2</sub>@Graphene Porous Composite for High Capacity Lithium-Ion Batteries. Chemistry of Materials, 2015, 27, 4594-4603. | 6.7 | 175 |
| 46 | Graphene Wrapped TiO<sub>2</sub> Based Catalysts with Enhanced Photocatalytic Activity. Advanced Materials Interfaces, 2014, 1, 1300150. | 3.7 | 65 |
| 47 | The enhanced photothermal effect of graphene/conjugated polymer composites: photoinduced energy transfer and applications in photocontrolled switches. Chemical Communications, 2014, 50, 14345-14348. | 4.1 | 93 |
| 48 | Templateâ€Free Preparation of Volvoxâ€like Cd<sub>x</sub>Zn<sub>1â^'x</sub>S Nanospheres with Cubic Phase for Efficient Photocatalytic Hydrogen Production. Chemistry - an Asian Journal, 2014, 9, 811-818. | 3.3 | 47 |
| 49 | Scalable and facile preparation of graphene aerogel for air purification. RSC Advances, 2014, 4, 4843. | 3.6 | 47 |
| 50 | Enhanced electrochemical response for mercury ion detection based on poly(3-hexylthiophene) hybridized with multi-walled carbon nanotubes. RSC Advances, 2014, 4, 25051. | 3.6 | 27 |
| 51 | Synthesis of graphene/Niâ€“Al layered double hydroxide nanowires and their application as an electrode material for supercapacitors. Journal of Materials Chemistry A, 2014, 2, 5060. | 10.3 | 114 |
| 52 | Composite Films of Poly(3-hexylthiophene) Grafted Single-Walled Carbon Nanotubes for Electrochemical Detection of Metal Ions. ACS Applied Materials & Interfaces, 2014, 6, 7686-7694. | 8.0 | 39 |
| 53 | A dual-fluorescent composite of graphene oxide and poly(3-hexylthiophene) enables the ratiometric detection of amines. Chemical Science, 2014, 5, 3130. | 7.4 | 42 |
| 54 | Scalable preparation of three-dimensional porous structures of reduced graphene oxide/cellulose composites and their application in supercapacitors. Carbon, 2013, 62, 501-509. | 10.3 | 202 |

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| 55 | Enhanced photoresponse of large-sized photoactive graphene composite films based on water-soluble conjugated polymers. Chemical Communications, 2013, 49, 5538. | 4.1 | 37 |
| 56 | Deposition SnO<sub>2</sub>/Nitrogen-Doped Graphene Nanocomposites on the Separator: A New Type of Flexible Electrode for Energy Storage Devices. ACS Applied Materials & Interfaces, 2013, 5, 12148-12155. | 8.0 | 66 |
| 57 | Selective surface functionalization at regions of high local curvature in graphene. Chemical Communications, 2013, 49, 677-679. | 4.1 | 135 |
| 58 | Humidity Effects on the Wetting Characteristics of Poly(N-isopropylacrylamide) during a Lower Critical Solution Transition. Langmuir, 2013, 29, 8116-8124. | 3.5 | 12 |
| 59 | Preparation of fractal-like structures of insoluble polythiophene via solvent vapor annealing of solid thermocleavable polythiophene films and subsequent thermal curing. Polymer Journal, 2013, 45, 813-818. | 2.7 | 2 |
| 60 | Multiple-bilayered RGOâ€“porphyrin films: from preparation to application in photoelectrochemical cells. Journal of Materials Chemistry, 2012, 22, 18879. | 6.7 | 48 |
| 61 | Grafting P3HT brushes on GO sheets: distinctive properties of the GO/P3HT composites due to different grafting approaches. Journal of Materials Chemistry, 2012, 22, 21583. | 6.7 | 51 |
| 62 | Graphite oxide: a selective and highly efficient oxidant of thiols and sulfides. Organic and Biomolecular Chemistry, 2011, 9, 7292. | 2.8 | 224 |
| 63 | Effect of the Exposure Time of Hydrazine Vapor on the Reduction of Graphene Oxide Films. Journal of Nanoscience and Nanotechnology, 2011, 11, 5959-5964. | 0.9 | 7 |
| 64 | A Simple Approach for Preparing Transparent Conductive Graphene Films Using the Controlled Chemical Reduction of Exfoliated Graphene Oxide in an Aqueous Suspension. Journal of Physical Chemistry C, 2010, 114, 14433-14440. | 3.1 | 109 |
| 65 | Porphyrin Functionalized Graphene Sheets in Aqueous Suspensions: From the Preparation of Graphene Sheets to Highly Conductive Graphene Films. Journal of Physical Chemistry C, 2010, 114, 8227-8234. | 3.1 | 309 |
| 66 | Preparation of graphene relying on porphyrin exfoliation of graphite. Chemical Communications, 2010, 46, 5091. | 4.1 | 154 |
| 67 | Enhanced Solarâ€Cell Efficiency in Bulkâ€Heterojunction Polymer Systems Obtained by Nanoimprinting with Commercially Available AAO Membrane Filters. Small, 2009, 5, 2139-2143. | 10.0 | 118 |
| 68 | Enhanced field emission of an electric field assisted single-walled carbon nanotube assembly in colloid interstices. Carbon, 2009, 47, 1555-1560. | 10.3 | 12 |
| 69 | Effect of Cation Size on Solid Polymer Electrolyte Based Dye-Sensitized Solar Cells. Langmuir, 2009, 25, 3276-3281. | 3.5 | 92 |
| 70 | Enhanced Electrical Conductivities of Transparent Double-Walled Carbon Nanotube Network Films by Post-treatment. Journal of Physical Chemistry C, 2009, 113, 13658-13663. | 3.1 | 28 |
| 71 | Layer-by-layer assembly of graphene and gold nanoparticles by vacuum filtration and spontaneous reduction of gold ions. Chemical Communications, 2009, , 2174. | 4.1 | 393 |
| 72 | Effect of SWNT Defects on the Electron Transfer Properties in P3HT/SWNT Hybrid Materials. Advanced Functional Materials, 2008, 18, 2659-2665. | 14.9 | 102 |

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| 73 | Synthesis of SWNT Rings by Noncovalent Hybridization of Porphyrins and Single-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2008, 112, 12264-12271. | 3.1 | 46 |
| 74 | Fabrication of well-aligned SWNT arrays using colloidal self-assembly. , 2008, , . | | 0 |
| 75 | A simple and low-temperature hydrothermal route for the synthesis of tubular Î±-FeOOH. Materials Letters, 2007, 61, 4794-4796. | 2.6 | 36 |
| 76 | Influence of Single-Walled Carbon Nanotubes Induced Crystallinity Enhancement and Morphology Change on Polymer Photovoltaic Devices. Journal of the American Chemical Society, 2006, 128, 16827-16833. | 13.7 | 226 |
| 77 | Crystal structure and morphology of phenyl-capped tetraaniline in the leucoemeraldine oxidation state. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 764-769. | 2.1 | 28 |
| 78 | Phase structure and transition behavior of a liquid crystal 5-{[(4â€²-heptoxy-4-biphenylyl)oxy]carbonyl}-1-pentyne. Journal of Molecular Liquids, 2006, 124, 96-101. | 4.9 | 3 |
| 79 | An environment-friendly microemulsion approach to Î±-FeOOH nanorods at room temperature. Materials Research Bulletin, 2006, 41, 2238-2243. | 5.2 | 36 |
| 80 | Phase transition behavior and structure of the thermotropic liquid crystal 6-{[(4â€²-{[(undecyl)carbonyl]oxy}biphenyl-4yl)carbonyl]oxy}-1-hexyne. Crystal Research and Technology, 2006, 41, 914-918. | 1.3 | 3 |
| 81 | A study of NiZnCu-ferrite/SiO2 nanocomposites with different ferrite contents synthesized by solâ€“gel method. Journal of Magnetism and Magnetic Materials, 2005, 292, 304-309. | 2.3 | 18 |
| 82 | Preparation of Ni0.65Zn0.35Cu0.1Fe1.9O4/SiO2 nanocomposites by solâ€“gel method. Journal of Crystal Growth, 2004, 262, 415-419. | 1.5 | 12 |
| 83 | Electric-field-induced molecular alignment of side-chain liquid-crystalline polyacetylenes containing biphenyl mesogens. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 1333-1341. | 2.1 | 14 |
| 84 | Preparation of nanocrystalline NiZnCu ferrite particles by solâ€“gel method and their magnetic properties. Journal of Magnetism and Magnetic Materials, 2004, 277, 84-89. | 2.3 | 70 |
| 85 | Structure and liquid crystalline properties of 5-[(4â€²-heptoxy-4-biphenylyl)carbonyloxy]-1-pentyne. Liquid Crystals, 2004, 31, 71-79. | 2.2 | 5 |
| 86 | Liquid crystal properties of a mesogenic polyacetylene, poly(11-[(4â€²-heptoxy-4-biphenylyl)carbonyloxy]-1-undecyne). Liquid Crystals, 2004, 31, 271-277. | 2.2 | 3 |
| 87 | Shear induced molecular alignments of a side-chain liquid crystalline polyacetylene containing biphenyl mesogens. Polymer, 2003, 44, 8095-8102. | 3.8 | 23 |
| 88 | HIGH ORDER LIQUID CRYSTALLINE STRUCTURE OF POLY(11-{[(4â€²-HEPTYLOXY-4-BIPHENYLYL)CARBONYL]OXY}-1-UNDECYNE). Molecular Crystals and Liquid Crystals, 2003, 399, 17-28. | 0.9 | 11 |
| 89 | Crystal Structure of 11-{[(4â€²-Heptoxy-4-Biphenylyl) Carbonyl] Oxy}-1-Undecyne. Molecular Crystals and Liquid Crystals, 2002, 383, 115-130. | 0.9 | 5 |
| 90 | Phase Transition and Transition Kinetics of a Thermotropic Poly(amideâ^imide) Derived from 70 Pyromellitic Dianhydride, 30 Terephthaloyl Chloride, and 1,3-Bis[4-(4â€˜-aminophenoxy)cumyl]benzene. Macromolecules, 2001, 34, 8710-8719. | 4.8 | 6 |

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|---|---|---|---|
| 91 | Encoding Enantiomeric Molecular Chiralities on Graphene Basal Planes. Angewandte Chemie, 0, , . | 2.0 | 0 |