# Xiaoting Jia

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9522480/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 48 papers | 12,908 citations | 201385 27 h-index | 243296 44 g-index |
| 51 all docs | 51 docs citations | 51 times ranked | 17340 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Large Area, Few-Layer Graphene Films on Arbitrary Substrates by Chemical Vapor Deposition. Nano Letters, 2009, 9, 30-35. | 4.5 | 5,220 |
| 2 | Synthesis of Few-Layer Hexagonal Boron Nitride Thin Film by Chemical Vapor Deposition. Nano Letters, 2010, 10, 4134-4139. | 4.5 | 1,058 |
| 3 | Synthesis of Monolayer Hexagonal Boron Nitride on Cu Foil Using Chemical Vapor Deposition. Nano Letters, 2012, 12, 161-166. | 4.5 | 1,057 |
| 4 | Role of Kinetic Factors in Chemical Vapor Deposition Synthesis of Uniform Large Area Graphene Using Copper Catalyst. Nano Letters, 2010, 10, 4128-4133. | 4.5 | 733 |
| 5 | Controlled Formation of Sharp Zigzag and Armchair Edges in Graphitic Nanoribbons. Science, 2009, 323, 1701-1705. | 6.0 | 655 |
| 6 | Bulk Production of a New Form of sp<sup>2</sup> Carbon: Crystalline Graphene Nanoribbons. Nano Letters, 2008, 8, 2773-2778. | 4.5 | 588 |
| 7 | Multifunctional fibers for simultaneous optical, electrical and chemical interrogation of neural circuits in vivo. Nature Biotechnology, 2015, 33, 277-284. | 9.4 | 532 |
| 8 | Synthesis and Characterization of Hexagonal Boron Nitride Film as a Dielectric Layer for Graphene Devices. ACS Nano, 2012, 6, 8583-8590. | 7.3 | 472 |
| 9 | Growth of large-area single- and Bi-layer graphene by controlled carbon precipitation on polycrystalline Ni surfaces. Nano Research, 2009, 2, 509-516. | 5.8 | 453 |
| 10 | Graphene edges: a review of their fabrication and characterization. Nanoscale, 2011, 3, 86-95. | 2.8 | 410 |
| 11 | One-step optogenetics with multifunctional flexible polymer fibers. Nature Neuroscience, 2017, 20, 612-619. | 7.1 | 291 |
| 12 | Thermally drawn advanced functional fibers: New frontier of flexible electronics. Materials Today, 2020, 35, 168-194. | 8.3 | 153 |
| 13 | Topographic and Spectroscopic Characterization of Electronic Edge States in CVD Grown Graphene Nanoribbons. Nano Letters, 2012, 12, 1928-1933. | 4.5 | 104 |
| 14 | Silicon-in-silica spheres via axial thermal gradient in-fibre capillary instabilities. Nature Communications, 2013, 4, 2216. | 5.8 | 90 |
| 15 | Electroluminescence from ZnO/Si-Nanotips Light-Emitting Diodes. Nano Letters, 2009, 9, 1839-1843. | 4.5 | 83 |
| 16 | 3D printed stretchable triboelectric nanogenerator fibers and devices. Nano Energy, 2020, 75, 104973. | 8.2 | 79 |
| 17 | Polymer Composite with Carbon Nanofibers Aligned during Thermal Drawing as a Microelectrode for Chronic Neural Interfaces. ACS Nano, 2017, 11, 6574-6585. | 7.3 | 73 |
| 18 | Optogenetic control of nerve growth. Scientific Reports, 2015, 5, 9669. | 1.6 | 68 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Crystalline silicon core fibres from aluminium core preforms. Nature Communications, 2015, 6, 6248. | 5.8 | 62 |
| 20 | Thermally drawn fibers as nerve guidance scaffolds. Biomaterials, 2016, 81, 27-35. | 5.7 | 59 |
| 21 | Ordered and Atomically Perfect Fragmentation of Layered Transition Metal Dichalcogenides via Mechanical Instabilities. ACS Nano, 2017, 11, 9191-9199. | 7.3 | 53 |
| 22 | Flexible Multiâ€Material Fibers for Distributed Pressure and Temperature Sensing. Advanced Functional Materials, 2020, 30, 1908915. | 7.8 | 48 |
| 23 | Spatially expandable fiber-based probes as a multifunctional deep brain interface. Nature Communications, 2020, 11, 6115. | 5.8 | 44 |
| 24 | Direct Atomic-Level Observation and Chemical Analysis of ZnSe Synthesized by in Situ High-Throughput Reactive Fiber Drawing. Nano Letters, 2013, 13, 975-979. | 4.5 | 34 |
| 25 | Scalable, washable and lightweight triboelectric-energy-generating fibers by the thermal drawing process for industrial loom weaving. Nano Energy, 2020, 74, 104805. | 8.2 | 34 |
| 26 | Neural Stimulation InÂVitro and InÂVivo by Photoacoustic Nanotransducers. Matter, 2021, 4, 654-674. | 5.0 | 32 |
| 27 | Nitrogenâ€Doped Graphitic Nanoribbons: Synthesis, Characterization, and Transport. Advanced Functional Materials, 2013, 23, 3755-3762. | 7.8 | 31 |
| 28 | Thermally Drawn Stretchable Electrical and Optical Fiber Sensors for Multimodal Extreme Deformation Sensing. Advanced Optical Materials, 2021, 9, 2001815. | 3.6 | 31 |
| 29 | Implantable optical fibers for immunotherapeutics delivery and tumor impedance measurement. Nature Communications, 2021, 12, 5138. | 5.8 | 28 |
| 30 | Loop formation in graphitic nanoribbon edges using furnace heating or Joule heating. Journal of Vacuum Science & Technology B, 2009, 27, 1996. | 1.3 | 26 |
| 31 | Edgeâ€“Edge Interactions in Stacked Graphene Nanoplatelets. ACS Nano, 2013, 7, 2834-2841. | 7.3 | 25 |
| 32 | All-Sapphire Miniature Optical Fiber Tip Sensor for High Temperature Measurement. Journal of Lightwave Technology, 2020, 38, 1988-1997. | 2.7 | 25 |
| 33 | Polymer-fiber-coupled field-effect sensors for label-free deep brain recordings. PLoS ONE, 2020, 15, e0228076. | 1.1 | 22 |
| 34 | Scalable Fabrication of Highly Flexible Porous Polymer-Based Capacitive Humidity Sensor Using Convergence Fiber Drawing. Polymers, 2019, 11, 1985. | 2.0 | 14 |
| 35 | Nano-optoelectrodes Integrated with Flexible Multifunctional Fiber Probes by High-Throughput Scalable Fabrication. ACS Applied Materials & Interfaces, 2021, 13, 9156-9165. | 4.0 | 13 |
| 36 | Probing structures of nanomaterials using advanced electron microscopy methods, including aberrationâ€corrected electron microscopy at the angstrom scale. Microscopy Research and Technique, 2011, 74, 664-670. | 1.2 | 9 |

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|---|---|---|---|
| 37 | Direct deposition of single-walled carbon nanotube thin films via electrostatic spray assisted chemical vapor deposition. Nanotechnology, 2009, 20, 065601. | 1.3 | 8 |
| 38 | Laser Machined Fiber-Based Microprobe: Application in Microscale Electroporation. Advanced Fiber Materials, 2022, 4, 859-872. | 7.9 | 8 |
| 39 | Sculpting carbon bonds for allotropic transformation through solid-state re-engineering of â€“sp2 carbon. Nature Communications, 2014, 5, 4941. | 5.8 | 7 |
| 40 | 3D bioprinting using hollow multifunctional fiber impedimetric sensors. Biofabrication, 2020, 12, 035026. | 3.7 | 7 |
| 41 | Porous polymer optical fiber fabrication and potential biomedical application. Optical Materials Express, 2017, 7, 1813. | 1.6 | 6 |
| 42 | From Space to Battlefield: A New Breed of Multifunctional Fiber Sheets for Extreme Environments. Matter, 2020, 3, 602-604. | 5.0 | 6 |
| 43 | The Formation Mechanism of Carrot Defects in SiC Epifilms. Materials Research Society Symposia Proceedings, 2006, 911, 24. | 0.1 | 4 |
| 44 | In-situ TEM Study of Bismuth Nanostructures. Materials Research Society Symposia Proceedings, 2007, 1044, 1. | 0.1 | 0 |
| 45 | Nanoribbons: Nitrogenâ€Doped Graphitic Nanoribbons: Synthesis, Characterization, and Transport (Adv.) Tj ETQq1 1 0.784314 rgBT /Ov | 7.8 | 0 |
| 46 | Remote-Controlled Mice. Cell Systems, 2015, 1, 104-105. | 2.9 | 0 |
| 47 | Feature issue introduction: Multimaterial and Multifunctional Optical Fibers. Optical Materials Express, 2017, 7, 1906. | 1.6 | 0 |
| 48 | Deep Brain Optoacoustic Stimulation Enabled by a Multifunctional Fiber-based Optoacoustic Emitter. , 2022, , . | | 0 |