Xiaoting Jia

List of Publications by Year
in descending order

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	Laser Machined Fiber-Based Microprobe: Application in Microscale Electroporation. Advanced Fiber Materials, 2022, 4, 859-872.	7.9	8
2	Deep Brain Optoacoustic Stimulation Enabled by a Multifunctional Fiber-based Optoacoustic Emitter. , 2022, , .		0
3	Thermally Drawn Stretchable Electrical and Optical Fiber Sensors for Multimodal Extreme Deformation Sensing. Advanced Optical Materials, 2021, 9, 2001815.	3.6	31
4	Neural Stimulation InÂVitro and InÂVivo by Photoacoustic Nanotransducers. Matter, 2021, 4, 654-674.	5.0	32
5	Nano-optoelectrodes Integrated with Flexible Multifunctional Fiber Probes by High-Throughput Scalable Fabrication. ACS Applied Materials & Interfaces, 2021, 13, 9156-9165.	4.0	13
6	Implantable optical fibers for immunotherapeutics delivery and tumor impedance measurement. Nature Communications, 2021, 12, 5138.	5.8	28
7	Flexible Multiâ€Material Fibers for Distributed Pressure and Temperature Sensing. Advanced Functional Materials, 2020, 30, 1908915.	7.8	48
8	All-Sapphire Miniature Optical Fiber Tip Sensor for High Temperature Measurement. Journal of Lightwave Technology, 2020, 38, 1988-1997.	2.7	25
9	Thermally drawn advanced functional fibers: New frontier of flexible electronics. Materials Today, 2020, 35, 168-194.	8.3	153
10	Spatially expandable fiber-based probes as a multifunctional deep brain interface. Nature Communications, 2020, 11, 6115.	5.8	44
11	From Space to Battlefield: A New Breed of Multifunctional Fiber Sheets for Extreme Environments. Matter, 2020, 3, 602-604.	5.0	6
12	3D printed stretchable triboelectric nanogenerator fibers and devices. Nano Energy, 2020, 75, 104973.	8.2	79
13	3D bioprinting using hollow multifunctional fiber impedimetric sensors. Biofabrication, 2020, 12, 035026.	3.7	7
14	Polymer-fiber-coupled field-effect sensors for label-free deep brain recordings. PLoS ONE, 2020, 15, e0228076.	1.1	22
15	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
16	Scalable Fabrication of Highly Flexible Porous Polymer-Based Capacitive Humidity Sensor Using Convergence Fiber Drawing. Polymers, 2019, 11, 1985.	2.0	14
17	One-step optogenetics with multifunctional flexible polymer fibers. Nature Neuroscience, 2017, 20, 612-619.	7.1	291
18	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

#	Article	IF	Citations
19	Ordered and Atomically Perfect Fragmentation of Layered Transition Metal Dichalcogenides <i>via</i> Mechanical Instabilities. ACS Nano, 2017, 11, 9191-9199.	7.3	53
20	Porous polymer optical fiber fabrication and potential biomedical application. Optical Materials Express, 2017, 7, 1813.	1.6	6
21	Feature issue introduction: Multimaterial and Multifunctional Optical Fibers. Optical Materials Express, 2017, 7, 1906.	1.6	0
22	Thermally drawn fibers as nerve guidance scaffolds. Biomaterials, 2016, 81, 27-35.	5.7	59
23	Optogenetic control of nerve growth. Scientific Reports, 2015, 5, 9669.	1.6	68
24	Crystalline silicon core fibres from aluminium core preforms. Nature Communications, 2015, 6, 6248.	5.8	62
25	Multifunctional fibers for simultaneous optical, electrical and chemical interrogation of neural circuits in vivo. Nature Biotechnology, 2015, 33, 277-284.	9.4	532
26	Remote-Controlled Mice. Cell Systems, 2015, 1, 104-105.	2.9	0
27	Sculpting carbon bonds for allotropic transformation through solid-state re-engineering of â€“sp2 carbon. Nature Communications, 2014, 5, 4941.	5.8	7
28	Nanoribbons: Nitrogenâ€Doped Graphitic Nanoribbons: Synthesis, Characterization, and Transport (Adv.) Tj ETQq0 0 0 rgBT /Overlock 1	7.8	0
29	Silicon-in-silica spheres via axial thermal gradient in-fibre capillary instabilities. Nature Communications, 2013, 4, 2216.	5.8	90
30	Nitrogenâ€Doped Graphitic Nanoribbons: Synthesis, Characterization, and Transport. Advanced Functional Materials, 2013, 23, 3755-3762.	7.8	31
31	Direct Atomic-Level Observation and Chemical Analysis of ZnSe Synthesized by <i>in Situ</i> High-Throughput Reactive Fiber Drawing. Nano Letters, 2013, 13, 975-979.	4.5	34
32	Edgeâ€“Edge Interactions in Stacked Graphene Nanoplatelets. ACS Nano, 2013, 7, 2834-2841.	7.3	25
33	Synthesis and Characterization of Hexagonal Boron Nitride Film as a Dielectric Layer for Graphene Devices. ACS Nano, 2012, 6, 8583-8590.	7.3	472
34	Topographic and Spectroscopic Characterization of Electronic Edge States in CVD Grown Graphene Nanoribbons. Nano Letters, 2012, 12, 1928-1933.	4.5	104
35	Synthesis of Monolayer Hexagonal Boron Nitride on Cu Foil Using Chemical Vapor Deposition. Nano Letters, 2012, 12, 161-166.	4.5	1,057
36	Graphene edges: a review of their fabrication and characterization. Nanoscale, 2011, 3, 86-95.	2.8	410

#	Article	IF	Citations
37	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
38	Synthesis of Few-Layer Hexagonal Boron Nitride Thin Film by Chemical Vapor Deposition. Nano Letters, 2010, 10, 4134-4139.	4.5	1,058
39	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
40	Direct deposition of single-walled carbon nanotube thin films via electrostatic spray assisted chemical vapor deposition. Nanotechnology, 2009, 20, 065601.	1.3	8
41	Loop formation in graphitic nanoribbon edges using furnace heating or Joule heating. Journal of Vacuum Science & Technology B, 2009, 27, 1996.	1.3	26
42	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
43	Controlled Formation of Sharp Zigzag and Armchair Edges in Graphitic Nanoribbons. Science, 2009, 323, 1701-1705.	6.0	655
44	Large Area, Few-Layer Graphene Films on Arbitrary Substrates by Chemical Vapor Deposition. Nano Letters, 2009, 9, 30-35.	4.5	5,220
45	Electroluminescence from ZnO/Si-Nanotips Light-Emitting Diodes. Nano Letters, 2009, 9, 1839-1843.	4.5	83
46	Bulk Production of a New Form of sp² Carbon: Crystalline Graphene Nanoribbons. Nano Letters, 2008, 8, 2773-2778.	4.5	588
47	In-situ TEM Study of Bismuth Nanostructures. Materials Research Society Symposia Proceedings, 2007, 1044, 1.	0.1	0
48	The Formation Mechanism of Carrot Defects in SiC Epifilms. Materials Research Society Symposia Proceedings, 2006, 911, 24.	0.1	4