

# Guoping Xiong

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27 papers	1,206 citations	16 h-index	32 g-index
32 ext. papers	1,432 ext. citations	8.8 avg, IF	4.55 L-index

#	Paper	IF	Citations
27	High-performance polarization-independent black phosphorus refractive index sensors enabled by a single-layer pattern design.. <i>Optics Letters</i> , <b>2022</b> , 47, 517-520	3	0
26	Solvothermal synthesis of transition metal (iron/copper) and nitrogen co-doped carbon nanomaterials: comparing their peroxidase-like properties. <i>Journal of Nanoparticle Research</i> , <b>2022</b> , 24, 1	2.3	1
25	Printability study of self-supporting graphene oxide-laponite nanocomposites for 3D printing applications. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2021</b> , 114, 343-355	3.2	1
24	Ultra-broadband high solar absorption in checkerboard-shaped titanium nitride plasmonic metastructures. <i>Optical Materials</i> , <b>2021</b> , 116, 111117	3.3	2
23	Plasmon Hybridization-Induced Ultra-broadband High Absorption from 0.4 to 1.8 Microns in Titanium Nitride Metastructures. <i>Plasmonics</i> , <b>2021</b> , 16, 799-809	2.4	3
22	Carbon solid lubricants: role of different dimensions. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2020</b> , 107, 3875-3895	3.2	11
21	Plasma-Made Graphene Nanostructures with Molecularly Dispersed F and Na Sites for Solar Desalination of Oil-Contaminated Seawater with Complete In-Water and In-Air Oil Rejection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 38512-38521	9.5	18
20	Vertical graphene nano-antennas for solar-to-hydrogen energy conversion. <i>Solar Energy</i> , <b>2020</b> , 208, 379-387	4.87	7
19	Graphitic nanopetals and their applications in electrochemical energy storage and biosensing. <i>Journal of Nanoparticle Research</i> , <b>2020</b> , 22, 1	2.3	1
18	Solar Energy Conversion: Multifunctional Solar Waterways: Plasma-Enabled Self-Cleaning Nanoarchitectures for Energy-Efficient Desalination (Adv. Energy Mater. 30/2019). <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 190119	21.8	6
17	Scalable Production of Integrated Graphene Nanoarchitectures for Ultrafast Solar-Thermal Conversion and Vapor Generation. <i>Matter</i> , <b>2019</b> , 1, 1017-1032	12.7	40
16	Beyond lotus: Plasma nanostructuring enables efficient energy and water conversion and use. <i>Nano Energy</i> , <b>2019</b> , 66, 104125	17.1	21
15	Multifunctional Solar Waterways: Plasma-Enabled Self-Cleaning Nanoarchitectures for Energy-Efficient Desalination. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1901286	21.8	66
14	Graphene Array-Based Anti-fouling Solar Vapour Gap Membrane Distillation with High Energy Efficiency. <i>Nano-Micro Letters</i> , <b>2019</b> , 11, 51	19.5	46
13	Well-Aligned Hierarchical Graphene-Based Electrodes for Pseudocapacitors with Outstanding Low-Temperature Stability. <i>ChemElectroChem</i> , <b>2019</b> , 6, 2788-2795	4.3	11
12	Spill-SOS: Self-Pumping Siphon-Capillary Oil Recovery. <i>ACS Nano</i> , <b>2019</b> , 13, 13027-13036	16.7	18
11	Bioinspired leaves-on-branchlet hybrid carbon nanostructure for supercapacitors. <i>Nature Communications</i> , <b>2018</b> , 9, 790	17.4	118

10	Graphene-Reinforced Metal and Polymer Matrix Composites. <i>Jom</i> , <b>2018</b> , 70, 829-836	2.1	26
9	Mechanically robust and electrically conductive graphene-paper/glass-fibers/epoxy composites for stimuli-responsive sensors and Joule heating heaters. <i>Carbon</i> , <b>2017</b> , 124, 296-307	10.4	38
8	Hierarchical NiCo Hydroxide Petals on Mechanically Robust Graphene Petal Foam for High-Energy Asymmetric Supercapacitors. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 5460-5470	15.6	117
7	Hyperbolically Patterned 3D Graphene Metamaterial with Negative Poisson's Ratio and Superelasticity. <i>Advanced Materials</i> , <b>2016</b> , 28, 2229-37	24	138
6	Graphitic Petal Micro-Supercapacitor Electrodes for Ultra-High Power Density. <i>Energy Technology</i> , <b>2014</b> , 2, 897-905	3.5	40
5	A Review of Graphene-Based Electrochemical Microsupercapacitors. <i>Electroanalysis</i> , <b>2014</b> , 26, 30-51	3	277
4	Graphitic Petal Electrodes for All-Solid-State Flexible Supercapacitors. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1300515	21.8	133
3	Controlled thin graphitic petal growth on oxidized silicon. <i>Diamond and Related Materials</i> , <b>2012</b> , 27-28, 1-9	3.5	31
2	Au nanoparticles on graphitic petal arrays for surface-enhanced Raman spectroscopy. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 133108	3.4	31
1	Graphene aerogel and its composites: synthesis, properties and applications. <i>Journal of Porous Materials</i> , 1	2.4	0