Guoping Xiong

List of Publications by Citations

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	A Review of Graphene-Based Electrochemical Microsupercapacitors. *Electroanalysis*, **2014**, 26, 30-51	3	277
26	Hyperbolically Patterned 3D Graphene Metamaterial with Negative Poisson's Ratio and Superelasticity. *Advanced Materials*, **2016**, 28, 2229-37	24	138
25	Graphitic Petal Electrodes for All-Solid-State Flexible Supercapacitors. *Advanced Energy Materials*, **2014**, 4, 1300515	21.8	133
24	Bioinspired leaves-on-branchlet hybrid carbon nanostructure for supercapacitors. *Nature Communications*, **2018**, 9, 790	17.4	118
23	Hierarchical Ni□o Hydroxide Petals on Mechanically Robust Graphene Petal Foam for High-Energy Asymmetric Supercapacitors. *Advanced Functional Materials*, **2016**, 26, 5460-5470	15.6	117
22	Multifunctional Solar Waterways: Plasma-Enabled Self-Cleaning Nanoarchitectures for Energy-Efficient Desalination. *Advanced Energy Materials*, **2019**, 9, 1901286	21.8	66
21	Graphene Array-Based Anti-fouling Solar Vapour Gap Membrane Distillation with High Energy Efficiency. *Nano-Micro Letters*, **2019**, 11, 51	19.5	46
20	Scalable Production of Integrated Graphene Nanoarchitectures for Ultrafast Solar-Thermal Conversion and Vapor Generation. *Matter*, **2019**, 1, 1017-1032	12.7	40
19	Graphitic Petal Micro-Supercapacitor Electrodes for Ultra-High Power Density. *Energy Technology*, **2014**, 2, 897-905	3.5	40
18	Mechanically robust and electrically conductive graphene-paper/glass-fibers/epoxy composites for stimuli-responsive sensors and Joule heating deicers. *Carbon*, **2017**, 124, 296-307	10.4	38
17	Controlled thin graphitic petal growth on oxidized silicon. *Diamond and Related Materials*, **2012**, 27-28, 1-9	3.5	31
16	Au nanoparticles on graphitic petal arrays for surface-enhanced Raman spectroscopy. *Applied Physics Letters*, **2010**, 97, 133108	3.4	31
15	Graphene-Reinforced Metal and Polymer Matrix Composites. *Jom*, **2018**, 70, 829-836	2.1	26
14	Beyond lotus: Plasma nanostructuring enables efficient energy and water conversion and use. *Nano Energy*, **2019**, 66, 104125	17.1	21
13	Spill-SOS: Self-Pumping Siphon-Capillary Oil Recovery. *ACS Nano*, **2019**, 13, 13027-13036	16.7	18
12	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. *ACS Applied Materials & Interfaces*, **2020**, 12, 38512-38521	9.5	18
11	Well-Aligned Hierarchical Graphene-Based Electrodes for Pseudocapacitors with Outstanding Low-Temperature Stability. *ChemElectroChem*, **2019**, 6, 2788-2795	4.3	11

10	Carbon solid lubricants: role of different dimensions. *International Journal of Advanced Manufacturing Technology*, **2020**, 107, 3875-3895	3.2	11
9	Vertical graphene nano-antennas for solar-to-hydrogen energy conversion. *Solar Energy*, **2020**, 208, 379-387	3.8	7
8	Solar Energy Conversion: Multifunctional Solar Waterways: Plasma-Enabled Self-Cleaning Nanoarchitectures for Energy-Efficient Desalination (Adv. Energy Mater. 30/2019). *Advanced Energy Materials*, **2019**, 9, 1970119	21.8	6
7	Plasmon Hybridization-Induced Ultra-broadband High Absorption from 0.4 to 1.8 Microns in Titanium Nitride Metastructures. *Plasmonics*, **2021**, 16, 799-809	2.4	3
6	Ultra-broadband high solar absorption in checkerboard-shaped titanium nitride plasmonic metastructures. *Optical Materials*, **2021**, 116, 111117	3.3	2
5	Printability study of self-supporting graphene oxide-laponite nanocomposites for 3D printing applications. *International Journal of Advanced Manufacturing Technology*, **2021**, 114, 343-355	3.2	1
4	Graphitic nanopetals and their applications in electrochemical energy storage and biosensing. *Journal of Nanoparticle Research*, **2020**, 22, 1	2.3	1
3	Solvothermal synthesis of transition metal (iron/copper) and nitrogen co□doped carbon nanomaterials: comparing their peroxidase□like properties. *Journal of Nanoparticle Research*, **2022**, 24, 1	2.3	1
2	High-performance polarization-independent black phosphorus refractive index sensors enabled by a single-layer pattern design.. *Optics Letters*, **2022**, 47, 517-520	3	0
1	Graphene aerogel and its composites: synthesis, properties and applications. *Journal of Porous Materials*,1	2.4	0