

# Zongping Chen

## 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.

30  
papers

9,632  
citations

21  
h-index

31  
g-index

31  
ext. papers

10,455  
ext. citations

11.6  
avg, IF

6.03  
L-index

#	Paper	IF	Citations
30	Pattern-Potential-Guided Growth of Textured Macromolecular Films on Graphene/High-Index Copper. <i>Advanced Materials</i> , <b>2021</b> , 33, e2006836	24	1
29	2D self-assembly and electronic characterization of oxygen-boron-oxygen-doped chiral graphene nanoribbons. <i>Chemical Communications</i> , <b>2021</b> , 57, 6031-6034	5.8	2
28	Long-lived charge separation following pump-wavelength-dependent ultrafast charge transfer in graphene/WS heterostructures. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	23
27	Photomodulation of Charge Transport in All-Semiconducting 2D-1D van der Waals Heterostructures with Suppressed Persistent Photoconductivity Effect. <i>Advanced Materials</i> , <b>2020</b> , 32, e2001268	24	9
26	Charge transport mechanism in networks of armchair graphene nanoribbons. <i>Scientific Reports</i> , <b>2020</b> , 10, 1988	4.9	25
25	Hysteresis in graphene nanoribbon field-effect devices. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 5667-5672	3.6	5
24	Bottom-Up, On-Surface-Synthesized Armchair Graphene Nanoribbons for Ultra-High-Power Micro-Supercapacitors. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 17881-17886	16.4	21
23	Graphene Nanoribbons: On-Surface Synthesis and Integration into Electronic Devices. <i>Advanced Materials</i> , <b>2020</b> , 32, e2001893	24	52
22	Structure-dependent electrical properties of graphene nanoribbon devices with graphene electrodes. <i>Carbon</i> , <b>2019</b> , 146, 36-43	10.4	43
21	Solution and on-surface synthesis of structurally defined graphene nanoribbons as a new family of semiconductors. <i>Chemical Science</i> , <b>2019</b> , 10, 964-975	9.4	73
20	Chemical Vapor Deposition Synthesis and Terahertz Photoconductivity of Low-Band-Gap N = 9 Armchair Graphene Nanoribbons. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 3635-3638	16.4	69
19	High Photoresponsivity in Graphene Nanoribbon Field-Effect Transistor Devices Contacted with Graphene Electrodes. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 10620-10625	3.8	36
18	Monitoring the On-Surface Synthesis of Graphene Nanoribbons by Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 7485-7492	7.8	7
17	Probing optical excitations in chevron-like armchair graphene nanoribbons. <i>Nanoscale</i> , <b>2017</b> , 9, 18326-18333	7.7	16
16	On-surface Synthesis of Graphene Nanoribbons through Solution-processing of Monomers. <i>Chemistry Letters</i> , <b>2017</b> , 46, 1476-1478	1.7	7
15	Dimensional Confinement in Carbon-based Structures [From 3D to 1D. <i>Annalen Der Physik</i> , <b>2017</b> , 529, 1700051	2.6	6
14	Lateral Fusion of Chemical Vapor Deposited N = 5 Armchair Graphene Nanoribbons. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 9483-9486	16.4	58

13	Synthesis of Graphene Nanoribbons by Ambient-Pressure Chemical Vapor Deposition and Device Integration. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 15488-15496	16.4	99
12	Graphene Foams: Superhydrophobic Graphene Foams (Small 1/2013). <i>Small</i> , <b>2013</b> , 9, 2-2	11	7
11	Lightweight and flexible graphene foam composites for high-performance electromagnetic interference shielding. <i>Advanced Materials</i> , <b>2013</b> , 25, 1296-300	24	1389
10	Passivation of microbial corrosion using a graphene coating. <i>Carbon</i> , <b>2013</b> , 56, 45-49	10.4	102
9	Superhydrophobic graphene foams. <i>Small</i> , <b>2013</b> , 9, 75-80	11	161
8	Flexible graphene-based lithium ion batteries with ultrafast charge and discharge rates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 17360-5	11.5	653
7	Three-dimensional flexible and conductive interconnected graphene networks grown by chemical vapour deposition. <i>Nature Materials</i> , <b>2011</b> , 10, 424-8	27	3105
6	High sensitivity gas detection using a macroscopic three-dimensional graphene foam network. <i>Scientific Reports</i> , <b>2011</b> , 1, 166	4.9	457
5	Efficient growth of high-quality graphene films on Cu foils by ambient pressure chemical vapor deposition. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 183109	3.4	155
4	Graphene anchored with $\text{Co}_3\text{O}_4$ nanoparticles as anode of lithium ion batteries with enhanced reversible capacity and cyclic performance. <i>ACS Nano</i> , <b>2010</b> , 4, 3187-94	16.7	2201
3	Edge phonon state of mono- and few-layer graphene nanoribbons observed by surface and interference co-enhanced Raman spectroscopy. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	65
2	Bulk growth of mono- to few-layer graphene on nickel particles by chemical vapor deposition from methane. <i>Carbon</i> , <b>2010</b> , 48, 3543-3550	10.4	83
1	Synthesis of graphene sheets with high electrical conductivity and good thermal stability by hydrogen arc discharge exfoliation. <i>ACS Nano</i> , <b>2009</b> , 3, 411-7	16.7	702