

Zongping Chen

List of Publications by Year in descending order

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31
papers

11,153
citations

331670

21
h-index

434195

31
g-index

31
all docs

31
docs citations

31
times ranked

16449
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional flexible and conductive interconnected graphene networks grown by chemical vapour deposition. <i>Nature Materials</i> , 2011, 10, 424-428.	27.5	3,493
2	Graphene Anchored with Co_3O_4 Nanoparticles as Anode of Lithium Ion Batteries with Enhanced Reversible Capacity and Cyclic Performance. <i>ACS Nano</i> , 2010, 4, 3187-3194.	14.6	2,358
3	Lightweight and Flexible Graphene Foam Composites for High-Performance Electromagnetic Interference Shielding. <i>Advanced Materials</i> , 2013, 25, 1296-1300.	21.0	1,703
4	Synthesis of Graphene Sheets with High Electrical Conductivity and Good Thermal Stability by Hydrogen Arc Discharge Exfoliation. <i>ACS Nano</i> , 2009, 3, 411-417.	14.6	807
5	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> , 2012, 109, 17360-17365.	7.1	728
6	High Sensitivity Gas Detection Using a Macroscopic Three-Dimensional Graphene Foam Network. <i>Scientific Reports</i> , 2011, 1, 166.	3.3	503
7	Superhydrophobic Graphene Foams. <i>Small</i> , 2013, 9, 75-80.	10.0	183
8	Efficient growth of high-quality graphene films on Cu foils by ambient pressure chemical vapor deposition. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	176
9	Graphene Nanoribbons: On-Surface Synthesis and Integration into Electronic Devices. <i>Advanced Materials</i> , 2020, 32, e2001893.	21.0	156
10	Synthesis of Graphene Nanoribbons by Ambient-Pressure Chemical Vapor Deposition and Device Integration. <i>Journal of the American Chemical Society</i> , 2016, 138, 15488-15496.	13.7	129
11	Passivation of microbial corrosion using a graphene coating. <i>Carbon</i> , 2013, 56, 45-49.	10.3	121
12	Solution and on-surface synthesis of structurally defined graphene nanoribbons as a new family of semiconductors. <i>Chemical Science</i> , 2019, 10, 964-975.	7.4	104
13	Bulk growth of mono- to few-layer graphene on nickel particles by chemical vapor deposition from methane. <i>Carbon</i> , 2010, 48, 3543-3550.	10.3	96
14	Chemical Vapor Deposition Synthesis and Terahertz Photoconductivity of Low-Band-Gap $N = 9$ Armchair Graphene Nanoribbons. <i>Journal of the American Chemical Society</i> , 2017, 139, 3635-3638.	13.7	88
15	Edge phonon state of mono- and few-layer graphene nanoribbons observed by surface and interference co-enhanced Raman spectroscopy. <i>Physical Review B</i> , 2010, 81, .	3.2	77
16	Structure-dependent electrical properties of graphene nanoribbon devices with graphene electrodes. <i>Carbon</i> , 2019, 146, 36-43.	10.3	70
17	Lateral Fusion of Chemical Vapor Deposited $N = 5$ Armchair Graphene Nanoribbons. <i>Journal of the American Chemical Society</i> , 2017, 139, 9483-9486.	13.7	65
18	Long-lived charge separation following pump-wavelength-dependent ultrafast charge transfer in graphene/WS ₂ heterostructures. <i>Science Advances</i> , 2021, 7, .	10.3	60

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19	Bottom-Up, On-Surface-Synthesized Armchair Graphene Nanoribbons for Ultra-High-Power Micro-Supercapacitors. Journal of the American Chemical Society, 2020, 142, 17881-17886.	13.7	51
20	High Photoresponsivity in Graphene Nanoribbon Field-Effect Transistor Devices Contacted with Graphene Electrodes. Journal of Physical Chemistry C, 2017, 121, 10620-10625.	3.1	45
21	Charge transport mechanism in networks of armchair graphene nanoribbons. Scientific Reports, 2020, 10, 1988.	3.3	41
22	Photomodulation of Charge Transport in All-Semiconducting 2D-1D van der Waals Heterostructures with Suppressed Persistent Photoconductivity Effect. Advanced Materials, 2020, 32, e2001268.	21.0	20
23	Probing optical excitations in chevron-like armchair graphene nanoribbons. Nanoscale, 2017, 9, 18326-18333.	5.6	19
24	On-surface Synthesis of Graphene Nanoribbons through Solution-processing of Monomers. Chemistry Letters, 2017, 46, 1476-1478.	1.3	11
25	Optical parameters of graphene/MoS ₂ van der Waals heterostructure investigated by spectroscopic ellipsometry. Applied Surface Science, 2022, 599, 153987.	6.1	10
26	Hysteresis in graphene nanoribbon field-effect devices. Physical Chemistry Chemical Physics, 2020, 22, 5667-5672.	2.8	9
27	Graphene Foams: Superhydrophobic Graphene Foams (Small 1/2013). Small, 2013, 9, 2-2.	10.0	7
28	Monitoring the On-Surface Synthesis of Graphene Nanoribbons by Mass Spectrometry. Analytical Chemistry, 2017, 89, 7485-7492.	6.5	7
29	Dimensional Confinement in Carbon-Based Structures – From 3D to 1D. Annalen Der Physik, 2017, 529, 1700051.	2.4	6
30	Pattern-Potential-Guided Growth of Textured Macromolecular Films on Graphene/High-Index Copper. Advanced Materials, 2021, 33, e2006836.	21.0	6
31	2D self-assembly and electronic characterization of oxygen-boron-oxygen-doped chiral graphene nanoribbons. Chemical Communications, 2021, 57, 6031-6034.	4.1	4