

# Qingbin Zheng

## 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.

80  
papers

6,127  
citations

40  
h-index

78  
g-index

83  
ext. papers

7,268  
ext. citations

10  
avg, IF

5.98  
L-index

#	Paper	IF	Citations
80	Production of highly-oriented graphite monoliths with high thermal conductivity. <i>Chemical Engineering Journal</i> , <b>2022</b> , 431, 134102	14.7	3
79	Micro-diamond assisted bidirectional tuning of thermal conductivity in multifunctional graphene nanoplatelets/nanofibrillated cellulose films. <i>Carbon</i> , <b>2022</b> , 189, 265-275	10.4	4
78	Recent Advances in Design Strategies and Multifunctionality of Flexible Electromagnetic Interference Shielding Materials.. <i>Nano-Micro Letters</i> , <b>2022</b> , 14, 80	19.5	10
77	Lithium Bonds Enable Small Biomass Molecule-Based Ionoelastomers with Multiple Functions for Soft Intelligent Electronics.. <i>Small</i> , <b>2022</b> , e2200421	11	1
76	Soft Organic Thermoelectric Materials: Principles, Current State of the Art and Applications.. <i>Small</i> , <b>2021</b> , e2104922	11	9
75	Anisotropic, Wrinkled, and Crack-Bridging Structure for Ultrasensitive, Highly Selective Multidirectional Strain Sensors. <i>Nano-Micro Letters</i> , <b>2021</b> , 13, 122	19.5	22
74	Rational design of two-dimensional nanofillers for polymer nanocomposites toward multifunctional applications. <i>Progress in Materials Science</i> , <b>2021</b> , 115, 100708	42.2	49
73	Flexible temperature sensors made of aligned electrospun carbon nanofiber films with outstanding sensitivity and selectivity towards temperature. <i>Materials Horizons</i> , <b>2021</b> , 8, 1488-1498	14.4	22
72	Anisotropic conductive networks for multidimensional sensing. <i>Materials Horizons</i> , <b>2021</b> , 8, 2615-2653	14.4	7
71	High-performance microwave absorption enabled by Co3O4 modified VB-group laminated VS2 with frequency modulation from S-band to Ku-band. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 107, 155-155	9.1	26
70	Human skin-inspired integrated multidimensional sensors based on highly anisotropic structures. <i>Materials Horizons</i> , <b>2020</b> , 7, 2378-2389	14.4	30
69	Highly Thermally Conductive Dielectric Nanocomposites with Synergistic Alignments of Graphene and Boron Nitride Nanosheets. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1910826	15.6	111
68	Graphene-based wearable piezoresistive physical sensors. <i>Materials Today</i> , <b>2020</b> , 36, 158-179	21.8	109
67	Co-MOF-74 derived Co3O4/graphene heterojunction nanoscrolls for ppb-level acetone detection. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 300, 127011	8.5	38
66	Highly Aligned, Anisotropic Carbon Nanofiber Films for Multidirectional Strain Sensors with Exceptional Selectivity. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1901623	15.6	75
65	Spider-Web-Inspired Stretchable Graphene Woven Fabric for Highly Sensitive, Transparent, Wearable Strain Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 2282-2294	9.5	65
64	Understanding the roles of activated porous carbon nanotubes as sulfur support and separator coating for lithium-sulfur batteries. <i>Electrochimica Acta</i> , <b>2018</b> , 268, 1-9	6.7	49

63	An Ultralight Graphene Honeycomb Sandwich for Stretchable Light-Emitting Displays. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1707043	15.6	39
62	Graphene Size-Dependent Multifunctional Properties of Unidirectional Graphene Aerogel/Epoxy Nanocomposites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 6580-6592	9.5	54
61	A three-dimensional multilayer graphene web for polymer nanocomposites with exceptional transport properties and fracture resistance. <i>Materials Horizons</i> , <b>2018</b> , 5, 275-284	14.4	87
60	Graphene/Boron Nitride-Polyurethane Microlaminates for Exceptional Dielectric Properties and High Energy Densities. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 26641-26652	9.5	51
59	Sliced graphene foam films for dual-functional wearable strain sensors and switches. <i>Nanoscale Horizons</i> , <b>2018</b> , 3, 35-44	10.8	60
58	Ultralight Graphene Foam/Conductive Polymer Composites for Exceptional Electromagnetic Interference Shielding. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 9059-9069	9.5	321
57	A highly sensitive graphene woven fabric strain sensor for wearable wireless musical instruments. <i>Materials Horizons</i> , <b>2017</b> , 4, 477-486	14.4	148
56	Ultra-high dielectric constant and low loss of highly-aligned graphene aerogel/poly(vinyl alcohol) composites with insulating barriers. <i>Carbon</i> , <b>2017</b> , 123, 385-394	10.4	86
55	Functional Polymeric Materials Based on Cellulose. <i>International Journal of Polymer Science</i> , <b>2016</b> , 2016, 1-2	2.4	1
54	Highly flexible transparent conductive graphene/single-walled carbon nanotube nanocomposite films produced by Langmuir-Blodgett assembly. <i>RSC Advances</i> , <b>2015</b> , 5, 23650-23657	3.7	9
53	Graphene for Transparent Conductors <b>2015</b> ,		29
52	A simple method for the reduction of graphene oxide by sodium borohydride with CaCl <sub>2</sub> as a catalyst. <i>New Carbon Materials</i> , <b>2015</b> , 30, 41-47	4.4	76
51	Introduction to Transparent Conductive Films <b>2015</b> , 1-27		1
50	Fabrication of Graphene-Based Transparent Conducting Thin Films <b>2015</b> , 95-122		4
49	Synthesis, Structure, and Properties of Graphene and Graphene Oxide <b>2015</b> , 29-94		16
48	Carbon-Based Materials at Nanoscale. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-2	3.2	2
47	Improvement of Electrical Conductivity and Transparency <b>2015</b> , 123-178		1
46	Graphene oxide-based transparent conductive films. <i>Progress in Materials Science</i> , <b>2014</b> , 64, 200-247	42.2	219

45	Self-aligned graphene as anticorrosive barrier in waterborne polyurethane composite coatings. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 14139-14145	13	147
44	Molecular level controlled fabrication of highly transparent conductive reduced graphene oxide/silver nanowire hybrid films. <i>RSC Advances</i> , <b>2014</b> , 4, 43270-43277	3.7	12
43	Structure control of ultra-large graphene oxide sheets by the Langmuir-Blodgett method. <i>RSC Advances</i> , <b>2013</b> , 3, 4680	3.7	31
42	Microwave-assisted simultaneous reduction and titanate treatment of graphene oxide. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 11451	13	34
41	Effects of N doping and NH <sub>2</sub> grafting on the mechanical and wrinkling properties of graphene sheets. <i>RSC Advances</i> , <b>2013</b> , 3, 923-929	3.7	12
40	A molecular beacon and graphene oxide-based fluorescent biosensor for Cu(2+) detection. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 43, 379-83	11.8	64
39	Highly aligned, ultralarge-size reduced graphene oxide/polyurethane nanocomposites: Mechanical properties and moisture permeability. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2013</b> , 49, 42-50	8.4	202
38	Fabrication of transparent, flexible conducting graphene thin films via soft transfer printing method. <i>Applied Surface Science</i> , <b>2013</b> , 276, 437-446	6.7	23
37	Ammonia solution strengthened three-dimensional macro-porous graphene aerogel. <i>Nanoscale</i> , <b>2013</b> , 5, 5462-7	7.7	170
36	Simultaneous in situ reduction, self-alignment and covalent bonding in graphene oxide/epoxy composites. <i>Carbon</i> , <b>2013</b> , 59, 406-417	10.4	207
35	Highly transparent and conducting ultralarge graphene oxide/single-walled carbon nanotube hybrid films produced by Langmuir-Blodgett assembly. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 25072		127
34	Fabrication of highly-aligned, conductive, and strong graphene papers using ultralarge graphene oxide sheets. <i>ACS Nano</i> , <b>2012</b> , 6, 10708-19	16.7	282
33	Self-assembled reduced graphene oxide/carbon nanotube thin films as electrodes for supercapacitors. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 3591		161
32	Self-alignment and high electrical conductivity of ultralarge graphene oxide/polyurethane nanocomposites. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 12709		234
31	Behavior of load transfer in functionalized carbon nanotube/epoxy nanocomposites. <i>Polymer</i> , <b>2012</b> , 53, 6081-6088	3.9	53
30	Effects of reduction process and carbon nanotube content on the supercapacitive performance of flexible graphene oxide papers. <i>Carbon</i> , <b>2012</b> , 50, 4239-4251	10.4	100
29	Transparent conductive films consisting of ultralarge graphene sheets produced by Langmuir-Blodgett assembly. <i>ACS Nano</i> , <b>2011</b> , 5, 6039-51	16.7	351
28	Spontaneous Formation of Liquid Crystals in Ultralarge Graphene Oxide Dispersions. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 2978-2988	15.6	314

27	Improved electrical and optical characteristics of transparent graphene thin films produced by acid and doping treatments. <i>Carbon</i> , <b>2011</b> , 49, 2905-2916	10.4	74
26	SnO <sub>2</sub> /graphene/carbon nanotube mixture for anode material with improved rate capacities. <i>Carbon</i> , <b>2011</b> , 49, 4524-4534	10.4	192
25	Effects of stage, intercalant species and expansion technique on exfoliation of graphite intercalation compound into graphene sheets. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 1084-91	1.3	15
24	Molecular dynamics study of the effect of chemical functionalization on the elastic properties of graphene sheets. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 7070-4	1.3	14
23	Fabrication of highly conducting and transparent graphene films. <i>Carbon</i> , <b>2010</b> , 48, 1815-1823	10.4	253
22	Effects of functional groups on the mechanical and wrinkling properties of graphene sheets. <i>Carbon</i> , <b>2010</b> , 48, 4315-4322	10.4	181
21	Investigation of the interactions between molecules of $\beta$ -Carotene, Vitamin A and CNTs by MD simulations. <i>Materials Letters</i> , <b>2009</b> , 63, 319-321	3.3	12
20	Computational analysis of effect of modification on the interfacial characteristics of a carbon nanotube/polyethylene composite system. <i>Applied Surface Science</i> , <b>2009</b> , 255, 3534-3543	6.7	111
19	Radial Collapse of Single-Walled Carbon Nanotubes Induced by the Cu <sub>2</sub> O Surface. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 3120-3126	3.8	27
18	Temperature dependence of the electrical properties of the carbon nanotube/polymer composites. <i>EXPRESS Polymer Letters</i> , <b>2009</b> , 3, 769-777	3.4	70
17	Large dielectric constant of the chemically purified carbon nanotube/polymer composites. <i>Materials Letters</i> , <b>2008</b> , 62, 4229-4231	3.3	73
16	Influence of Nanotube Chirality, Temperature, and Chemical Modification on the Interfacial Bonding between Carbon Nanotubes and Polyphenylacetylene. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 16514-16520	3.8	41
15	Influence of chirality on the interfacial bonding characteristics of carbon nanotube polymer composites. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 044302	2.5	27
14	Effect of chemisorption on the interfacial bonding characteristics of carbon nanotube/polymer composites. <i>Polymer</i> , <b>2008</b> , 49, 800-808	3.9	87
13	Large dielectric constant of the chemically functionalized carbon nanotube/polymer composites. <i>Composites Science and Technology</i> , <b>2008</b> , 68, 2290-2296	8.6	208
12	Abnormal current-voltage characteristics and metal-insulator transition of amorphous carbon film/silicon heterojunction. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2007</b> , 371, 318-321	2.3	7
11	Investigation of Molecular Interactions between SWNT and Polyethylene/Polypropylene/Polystyrene/Polyaniline Molecules. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 4628-4635	3.8	163
10	Abnormal I-V characteristics and metal-insulator transition of Fe-doped amorphous carbon/silicon p-n junction. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 053718	2.5	21

9	Effect of gas pressure on current-voltage characteristics of amorphous carbon film/silicon heterojunction. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 092104	3-4	15
8	Forward tunneling effect and metal-insulator transition in the BaTiO <sub>3</sub> film/Si n-n heterojunction. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 212105	3-4	12
7	Ammonia sensitivity of amorphous carbon film/silicon heterojunctions. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 122110	3-4	35
6	The interface effect of the effective electrical conductivity of carbon nanotube composites. <i>Nanotechnology</i> , <b>2007</b> , 18, 255705	3-4	72
5	Initiating VB-Group Laminated NbS <sub>2</sub> Electromagnetic Wave Absorber toward Superior Absorption Bandwidth as Large as 6.48 GHz through Phase Engineering Modulation. <i>Advanced Functional Materials</i> , 2108194	15.6	29
4	3D Interconnected Conductive Graphite Nanoplatelet Welded Carbon Nanotube Networks for Stretchable Conductors. <i>Advanced Functional Materials</i> , 2107082	15.6	7
3	Tailoring Self-Polarization of Bimetallic Organic Frameworks with Multiple Polar Units Toward High-Performance Consecutive Multi-Band Electromagnetic Wave Absorption at Gigahertz. <i>Advanced Functional Materials</i> , 2201129	15.6	8
2	Emerging Materials and Designs for Low- and Multi-Band Electromagnetic Wave Absorbers: The Search for Dielectric and Magnetic Synergy?. <i>Advanced Functional Materials</i> , 2200123	15.6	4
1	Production of Fibres from Lunar Soil: Feasibility, Applicability and Future Perspectives. <i>Advanced Fiber Materials</i> ,	10.9	0