

Qingbin Zheng

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5806846/qingbin-zheng-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Transparent conductive films consisting of ultralarge graphene sheets produced by Langmuir-Blodgett assembly. <i>ACS Nano</i> , 2011 , 5, 6039-51	16.7	351
79	Ultralight Graphene Foam/Conductive Polymer Composites for Exceptional Electromagnetic Interference Shielding. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 9059-9069	9.5	321
78	Spontaneous Formation of Liquid Crystals in Ultralarge Graphene Oxide Dispersions. <i>Advanced Functional Materials</i> , 2011 , 21, 2978-2988	15.6	314
77	Fabrication of highly-aligned, conductive, and strong graphene papers using ultralarge graphene oxide sheets. <i>ACS Nano</i> , 2012 , 6, 10708-19	16.7	282
76	Fabrication of highly conducting and transparent graphene films. <i>Carbon</i> , 2010 , 48, 1815-1823	10.4	253
75	Self-alignment and high electrical conductivity of ultralarge graphene oxide/polyurethane nanocomposites. <i>Journal of Materials Chemistry</i> , 2012 , 22, 12709		234
74	Graphene oxide-based transparent conductive films. <i>Progress in Materials Science</i> , 2014 , 64, 200-247	42.2	219
73	Large dielectric constant of the chemically functionalized carbon nanotube/polymer composites. <i>Composites Science and Technology</i> , 2008 , 68, 2290-2296	8.6	208
72	Simultaneous in situ reduction, self-alignment and covalent bonding in graphene oxide/epoxy composites. <i>Carbon</i> , 2013 , 59, 406-417	10.4	207
71	Highly aligned, ultralarge-size reduced graphene oxide/polyurethane nanocomposites: Mechanical properties and moisture permeability. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013 , 49, 42-50	8.4	202
70	SnO ₂ /graphene/carbon nanotube mixture for anode material with improved rate capacities. <i>Carbon</i> , 2011 , 49, 4524-4534	10.4	192
69	Effects of functional groups on the mechanical and wrinkling properties of graphene sheets. <i>Carbon</i> , 2010 , 48, 4315-4322	10.4	181
68	Ammonia solution strengthened three-dimensional macro-porous graphene aerogel. <i>Nanoscale</i> , 2013 , 5, 5462-7	7.7	170
67	Investigation of Molecular Interactions between SWNT and Polyethylene/Polypropylene/Polystyrene/Polyaniline Molecules. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 4628-4635	3.8	163
66	Self-assembled reduced graphene oxide/carbon nanotube thin films as electrodes for supercapacitors. <i>Journal of Materials Chemistry</i> , 2012 , 22, 3591		161
65	A highly sensitive graphene woven fabric strain sensor for wearable wireless musical instruments. <i>Materials Horizons</i> , 2017 , 4, 477-486	14.4	148
64	Self-aligned graphene as anticorrosive barrier in waterborne polyurethane composite coatings. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 14139-14145	13	147

63	Highly transparent and conducting ultralarge graphene oxide/single-walled carbon nanotube hybrid films produced by Langmuir-Blodgett assembly. <i>Journal of Materials Chemistry</i> , 2012 , 22, 25072		127
62	Highly Thermally Conductive Dielectric Nanocomposites with Synergistic Alignments of Graphene and Boron Nitride Nanosheets. <i>Advanced Functional Materials</i> , 2020 , 30, 1910826	15.6	111
61	Computational analysis of effect of modification on the interfacial characteristics of a carbon nanotube/polyethylene composite system. <i>Applied Surface Science</i> , 2009 , 255, 3534-3543	6.7	111
60	Graphene-based wearable piezoresistive physical sensors. <i>Materials Today</i> , 2020 , 36, 158-179	21.8	109
59	Effects of reduction process and carbon nanotube content on the supercapacitive performance of flexible graphene oxide papers. <i>Carbon</i> , 2012 , 50, 4239-4251	10.4	100
58	A three-dimensional multilayer graphene web for polymer nanocomposites with exceptional transport properties and fracture resistance. <i>Materials Horizons</i> , 2018 , 5, 275-284	14.4	87
57	Effect of chemisorption on the interfacial bonding characteristics of carbon nanotube/polymer composites. <i>Polymer</i> , 2008 , 49, 800-808	3.9	87
56	Ultrahigh dielectric constant and low loss of highly-aligned graphene aerogel/poly(vinyl alcohol) composites with insulating barriers. <i>Carbon</i> , 2017 , 123, 385-394	10.4	86
55	A simple method for the reduction of graphene oxide by sodium borohydride with CaCl ₂ as a catalyst. <i>New Carbon Materials</i> , 2015 , 30, 41-47	4.4	76
54	Highly Aligned, Anisotropic Carbon Nanofiber Films for Multidirectional Strain Sensors with Exceptional Selectivity. <i>Advanced Functional Materials</i> , 2019 , 29, 1901623	15.6	75
53	Improved electrical and optical characteristics of transparent graphene thin films produced by acid and doping treatments. <i>Carbon</i> , 2011 , 49, 2905-2916	10.4	74
52	Large dielectric constant of the chemically purified carbon nanotube/polymer composites. <i>Materials Letters</i> , 2008 , 62, 4229-4231	3.3	73
51	The interface effect of the effective electrical conductivity of carbon nanotube composites. <i>Nanotechnology</i> , 2007 , 18, 255705	3.4	72
50	Temperature dependence of the electrical properties of the carbon nanotube/polymer composites. <i>EXPRESS Polymer Letters</i> , 2009 , 3, 769-777	3.4	70
49	Spider-Web-Inspired Stretchable Graphene Woven Fabric for Highly Sensitive, Transparent, Wearable Strain Sensors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2282-2294	9.5	65
48	A molecular beacon and graphene oxide-based fluorescent biosensor for Cu(2+) detection. <i>Biosensors and Bioelectronics</i> , 2013 , 43, 379-83	11.8	64
47	Sliced graphene foam films for dual-functional wearable strain sensors and switches. <i>Nanoscale Horizons</i> , 2018 , 3, 35-44	10.8	60
46	Graphene Size-Dependent Multifunctional Properties of Unidirectional Graphene Aerogel/Epoxy Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 6580-6592	9.5	54

45	Behavior of load transfer in functionalized carbon nanotube/epoxy nanocomposites. <i>Polymer</i> , 2012 , 53, 6081-6088	3.9	53
44	Graphene/Boron Nitride-Polyurethane Microlaminates for Exceptional Dielectric Properties and High Energy Densities. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 26641-26652	9.5	51
43	Understanding the roles of activated porous carbon nanotubes as sulfur support and separator coating for lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2018 , 268, 1-9	6.7	49
42	Rational design of two-dimensional nanofillers for polymer nanocomposites toward multifunctional applications. <i>Progress in Materials Science</i> , 2021 , 115, 100708	42.2	49
41	Influence of Nanotube Chirality, Temperature, and Chemical Modification on the Interfacial Bonding between Carbon Nanotubes and Polyphenylacetylene. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 16514-16520	3.8	41
40	An Ultralight Graphene Honeycomb Sandwich for Stretchable Light-Emitting Displays. <i>Advanced Functional Materials</i> , 2018 , 28, 1707043	15.6	39
39	Co-MOF-74 derived Co ₃ O ₄ /graphene heterojunction nanoscrolls for ppb-level acetone detection. <i>Sensors and Actuators B: Chemical</i> , 2019 , 300, 127011	8.5	38
38	Ammonia sensitivity of amorphous carbon film/silicon heterojunctions. <i>Applied Physics Letters</i> , 2007 , 91, 122110	3.4	35
37	Microwave-assisted simultaneous reduction and titanate treatment of graphene oxide. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 11451	13	34
36	Structure control of ultra-large graphene oxide sheets by the Langmuir-Blodgett method. <i>RSC Advances</i> , 2013 , 3, 4680	3.7	31
35	Human skin-inspired integrated multidimensional sensors based on highly anisotropic structures. <i>Materials Horizons</i> , 2020 , 7, 2378-2389	14.4	30
34	Graphene for Transparent Conductors 2015 ,		29
33	Initiating VB-Group Laminated NbS ₂ 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
32	Radial Collapse of Single-Walled Carbon Nanotubes Induced by the Cu ₂ O Surface. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 3120-3126	3.8	27
31	Influence of chirality on the interfacial bonding characteristics of carbon nanotube polymer composites. <i>Journal of Applied Physics</i> , 2008 , 103, 044302	2.5	27
30	High-performance microwave absorption enabled by Co ₃ O ₄ modified VB-group laminated VS ₂ with frequency modulation from S-band to Ku-band. <i>Journal of Materials Science and Technology</i> , 2021 , 107, 155-155	9.1	26
29	Fabrication of transparent, flexible conducting graphene thin films via soft transfer printing method. <i>Applied Surface Science</i> , 2013 , 276, 437-446	6.7	23
28	Anisotropic, Wrinkled, and Crack-Bridging Structure for Ultrasensitive, Highly Selective Multidirectional Strain Sensors. <i>Nano-Micro Letters</i> , 2021 , 13, 122	19.5	22

27	Flexible temperature sensors made of aligned electrospun carbon nanofiber films with outstanding sensitivity and selectivity towards temperature. <i>Materials Horizons</i> , 2021 , 8, 1488-1498	14.4	22
26	Abnormal I-V characteristics and metal-insulator transition of Fe-doped amorphous carbon/silicon p-n junction. <i>Journal of Applied Physics</i> , 2007 , 101, 053718	2.5	21
25	Synthesis, Structure, and Properties of Graphene and Graphene Oxide 2015 , 29-94		16
24	Effects of stage, intercalant species and expansion technique on exfoliation of graphite intercalation compound into graphene sheets. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 1084-91	1.3	15
23	Effect of gas pressure on current-voltage characteristics of amorphous carbon film/silicon heterojunction. <i>Applied Physics Letters</i> , 2007 , 91, 092104	3.4	15
22	Molecular dynamics study of the effect of chemical functionalization on the elastic properties of graphene sheets. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 7070-4	1.3	14
21	Molecular level controlled fabrication of highly transparent conductive reduced graphene oxide/silver nanowire hybrid films. <i>RSC Advances</i> , 2014 , 4, 43270-43277	3.7	12
20	Effects of N doping and NH ₂ grafting on the mechanical and wrinkling properties of graphene sheets. <i>RSC Advances</i> , 2013 , 3, 923-929	3.7	12
19	Investigation of the interactions between molecules of β -Carotene, Vitamin A and CNTs by MD simulations. <i>Materials Letters</i> , 2009 , 63, 319-321	3.3	12
18	Forward tunneling effect and metal-insulator transition in the BaTiO ₃ film/Si n-n heterojunction. <i>Applied Physics Letters</i> , 2007 , 91, 212105	3.4	12
17	Recent Advances in Design Strategies and Multifunctionality of Flexible Electromagnetic Interference Shielding Materials.. <i>Nano-Micro Letters</i> , 2022 , 14, 80	19.5	10
16	Highly flexible transparent conductive graphene/single-walled carbon nanotube nanocomposite films produced by Langmuir-Blodgett assembly. <i>RSC Advances</i> , 2015 , 5, 23650-23657	3.7	9
15	Soft Organic Thermoelectric Materials: Principles, Current State of the Art and Applications.. <i>Small</i> , 2021 , e2104922	11	9
14	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> , 2021 , 31, 2101129	15.6	8
13	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> , 2007 , 371, 318-321	2.3	7
12	Anisotropic conductive networks for multidimensional sensing. <i>Materials Horizons</i> , 2021 , 8, 2615-2653	14.4	7
11	3D Interconnected Conductive Graphite Nanoplatelet Welded Carbon Nanotube Networks for Stretchable Conductors. <i>Advanced Functional Materials</i> , 2021 , 31, 2107082	15.6	7
10	Fabrication of Graphene-Based Transparent Conducting Thin Films 2015 , 95-122		4

9	Micro-diamond assisted bidirectional tuning of thermal conductivity in multifunctional graphene nanoplatelets/nanofibrillated cellulose films. <i>Carbon</i> , 2022 , 189, 265-275	10.4	4
8	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
7	Production of highly-oriented graphite monoliths with high thermal conductivity. <i>Chemical Engineering Journal</i> , 2022 , 431, 134102	14.7	3
6	Carbon-Based Materials at Nanoscale. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-2	3.2	2
5	Introduction to Transparent Conductive Films 2015 , 1-27		1
4	Improvement of Electrical Conductivity and Transparency 2015 , 123-178		1
3	Functional Polymeric Materials Based on Cellulose. <i>International Journal of Polymer Science</i> , 2016 , 2016, 1-2	2.4	1
2	Lithium Bonds Enable Small Biomass Molecule-Based Ionoelastomers with Multiple Functions for Soft Intelligent Electronics.. <i>Small</i> , 2022 , e2200421	11	1
1	Production of Fibres from Lunar Soil: Feasibility, Applicability and Future Perspectives. <i>Advanced Fiber Materials</i> ,	10.9	0