Jun Qiu

List of Publications by Year in descending order

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Version: 2024-02-01

52 papers	1,477 citations	257450 24 h-index	330143 37 g-index
52 all docs	52 docs citations	52 times ranked	1788 citing authors

#	Article	IF	Citations
1	Fabrication and microwave absorption properties of magnetite nanoparticleâ€“carbon nanotubeâ€“hollow carbon fiber composites. Carbon, 2015, 81, 20-28.	10.3	195
2	Onâ€Surface Synthesis of Carbon Nanostructures. Advanced Materials, 2018, 30, e1705630.	21.0	121
3	Multi-walled carbon nanotubes/polyaniline composites with negative permittivity and negative permeability. Carbon, 2016, 107, 261-267.	10.3	87
4	Synthesis and strengthened microwave absorption properties of three-dimensional porous Fe3O4/graphene composite foam. Ceramics International, 2019, 45, 3126-3132.	4.8	72
5	Reduced graphene oxide films fabricated by gel coating and their application as platinum-free counter electrodes of highly efficient iodide/triiodide dye-sensitized solar cells. Journal of Materials Chemistry, 2012, 22, 14465.	6.7	68
6	High Electromagnetic Waves Absorbing Performance of a Multilayerâ€Like Structure Absorber Containing Activated Carbon Hollow Porous Fibersâ€“Carbon Nanotubes and Fe₃O₄ Nanoparticles. Advanced Electronic Materials, 2018, 4, 1700565.	5.1	54
7	Carbon nanotubes / epoxy resin metacomposites with adjustable radio-frequency negative permittivity and low dielectric loss. Ceramics International, 2019, 45, 843-848.	4.8	48
8	Ordered polypyrrole nanorings with near-infrared spectrum absorption and photothermal conversion performance. Chemical Engineering Journal, 2019, 359, 652-661.	12.7	42
9	Multi-interfaced graphene aerogel/polydimethylsiloxane metacomposites with tunable electrical conductivity for enhanced electromagnetic interference shielding. Journal of Materials Chemistry C, 2020, 8, 11748-11759.	5.5	42
10	Generation Mechanism of Negative Dielectric Properties of Metallic Oxide Crystals/Polyaniline Composites. Journal of Physical Chemistry C, 2016, 120, 4937-4944.	3.1	37
11	Negative permittivity and negative permeability of multi-walled carbon nanotubes/polypyrrole nanocomposites. Organic Electronics, 2016, 38, 42-47.	2.6	35
12	High electromagnetic wave absorbing performance of activated hollow carbon fibers decorated with CNTs and Ni nanoparticles. Ceramics International, 2016, 42, 5278-5285.	4.8	35
13	A novel multi-dimensional structure of graphene-decorated composite foam for excellent stealth performance in microwave and infrared frequency bands. Journal of Materials Chemistry A, 2022, 10, 7705-7717.	10.3	35
14	Graphene/polypyrrole nanocomposites with high negative permittivity and low dielectric loss tangent. Ceramics International, 2019, 45, 5407-5412.	4.8	34
15	Ultra-thin broadband terahertz absorption and electromagnetic shielding properties of MXene/rGO composite film. Carbon, 2022, 194, 127-139.	10.3	33
16	Carbon Nanotube/Polyolefin Elastomer Metacomposites with Adjustable Radioâ€Frequency Negative Permittivity and Negative Permeability. Advanced Electronic Materials, 2019, 5, 1900011.	5.1	31
17	Carbon fibers surface-grown with helical carbon nanotubes and polyaniline for high-performance electrode materials and flexible supercapacitors. Journal of Electroanalytical Chemistry, 2018, 828, 24-32.	3.8	30
18	Synthesis, characterization, and CO2 capture study of micro-nano carbonaceous composites. Science of the Total Environment, 2013, 463-464, 192-198.	8.0	29

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19	The generation mechanism of negative permittivity in multi-walled carbon nanotubes/polyaniline composites. RSC Advances, 2016, 6, 35378-35386.	3.6	29
20	Adjustable Graphene/Polyolefin Elastomer Epsilon-near-Zero Metamaterials at Radiofrequency Range. ACS Applied Materials & Interfaces, 2020, 12, 22019-22028.	8.0	29
21	Nano-Al2O3/PANI composites with high negative permittivity. Organic Electronics, 2016, 39, 133-137.	2.6	26
22	Study on the preparation and properties of aligned carbon nanotubes/polylactide composite fibers. Polymer Composites, 2012, 33, 1613-1619.	4.6	25
23	Constructing honeycomb conductive rings in graphene foam/epoxy resin metacomposites for adjustable negative permittivity, low dielectric loss tangent and mechanical enhancement. Organic Electronics, 2020, 82, 105706.	2.6	25
24	Microwave absorption performance of iron oxide/multiwalled carbon nanotubes nanohybrids prepared by electrostatic attraction. Journal of Materials Science, 2018, 53, 3640-3646.	3.7	24
25	Preparation and electrochemical performance of hollow activated carbon fiber - Carbon nanotubes three-dimensional self-supported electrode for supercapacitor. Materials and Design, 2018, 154, 239-245.	7.0	21
26	Preparation and properties of a glucose biosensor based on an ionic liquid-functionalized graphene/carbon nanotube composite. New Carbon Materials, 2020, 35, 12-19.	6.1	20
27	An Electromagnetic Microwave Stealth Photothermal Soft Actuator with Lightweight and Hydrophobic Properties. ACS Applied Materials & Interfaces, 2021, 13, 32046-32057.	8.0	18
28	Preparation and characterization of aligned carbon nanotubes/polylactic acid composite fibers. Physica B: Condensed Matter, 2012, 407, 2451-2457.	2.7	17
29	Acidified multi-wall carbon nanotubes/polyaniline composites with high negative permittivity. Organic Electronics, 2016, 38, 55-60.	2.6	17
30	Strain sensing metacomposites of polyaniline/silver nanoparticles/carbon foam. Composites Part A: Applied Science and Manufacturing, 2021, 144, 106351.	7.6	16
31	Double negative electromagnetic behavior and electromagnetic shielding performance of sandwich-like buckypaper/yttrium iron garnet-graphene aerogel/ buckypaper metacomposites. Carbon, 2021, 183, 34-41.	10.3	15
32	Preparation and characterization of amphiphilic multi-walled carbon nanotubes. Journal of Nanoparticle Research, 2008, 10, 659-663.	1.9	14
33	Generation mechanism of negative dielectric properties of nano-Fe3O4/PANI composites. Materials Chemistry and Physics, 2018, 208, 177-182.	4.0	14
34	Elegant design of carbon nanotube foams with double continuous structure for metamaterials in a broad frequency range. Journal of Materials Chemistry C, 2020, 8, 3226-3234.	5.5	14
35	Hydrothermal modification and recycling of nonmetallic particles from waste print circuit boards. Waste Management, 2018, 74, 427-434.	7.4	13
36	Preparation and dielectric behavior of polyvinylidene fluoride composite filled with modified graphite nanoplatelet. Journal of Applied Polymer Science, 2014, 131, .	2.6	12

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37	Effect of hyperbranched polyethyleneimine grafting functionalization of carbon nanotubes on mechanical, thermal stability and electrical properties of carbon nanotubes/bismaleimide composites. RSC Advances, 2016, 6, 96245-96249.	3.6	11
38	Carbon nanofibers/polypyrrole nano metacomposites. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 1724-1729.	2.1	11
39	A novel double 3D continuous phase composite with ultra-broadband wave absorption from gigahertz to UVâ€“vis-NIR for extremely cold environment. Chemical Engineering Journal, 2022, 436, 135220.	12.7	11
40	The Design and Electromagneticâ€Waveâ€Absorbing Performance of a Broadband Fourâ€Layer Absorbing Composite. Annalen Der Physik, 2018, 530, 1800116.	2.4	9
41	Preparation and Electrochemical Performance of Hollow Activated Carbon Fiber Self-Supported Electrode for Supercapacitor. Journal of Nanoscience and Nanotechnology, 2020, 20, 2316-2323.	0.9	7
42	Perfect Broadband Sound Absorption on a Graphene-Decorated Porous System with Dual-3D Structures. ACS Applied Materials & Interfaces, 2022, 14, 28145-28153.	8.0	7
43	Electromagnetic wave absorbing performances with Fe2O3 nanotubes/reduced graphene oxide composite sponge. Journal of Materials Science: Materials in Electronics, 2020, 31, 11366-11378.	2.2	6
44	Microporous Reduced Graphene Oxide Foam Containing Ni(OH)₂ Nanoparticles for Broadband Electromagnetic Wave Absorption. ACS Applied Nano Materials, 2022, 5, 8334-8342.	5.0	6
45	Design and performance of doped carbon nanotube-based thermoelectric devices. Journal of Alloys and Compounds, 2019, 804, 262-271.	5.5	5
46	Frequency selective absorbing property of nanoring-shaped polyaniline with broadband absorption. Journal of Materials Science: Materials in Electronics, 2020, 31, 3622-3630.	2.2	5
47	Deformation regulated flexible carbon foam matrix intrinsic metamaterials. Composites Communications, 2021, 27, 100820.	6.3	5
48	Plasma Oscillation Behavior and Electromagnetic Interference Shielding of Carbon Nanofibers/Conductive Polymer Metacomposites at Radarwave Frequency. Macromolecular Rapid Communications, 2022, 43, e2100826.	3.9	5
49	Combining carbon nanotube foam with nanosilver/silicone resin or graphene foam for advanced metamaterial design. Journal of Materials Science, 2020, 55, 16211-16219.	3.7	4
50	Magnetic levitation photothermal actuator with sunlight traction. Smart Materials and Structures, 2021, 30, 085007.	3.5	4
51	Mieâ€Resonanceâ€Based Metamaterials with Perfect Absorption in the Terahertz Frequency Range. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2100031.	2.4	3
52	Negative permittivity and negative magnetic susceptibility of polypyrrole nanorings/carbon nanotubes multi-dimensional metacomposites in the radiowave frequency range. Organic Electronics, 2022, 104, 106470.	2.6	1