Jun Qiu

List of Publications by Year in descending order

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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	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
2	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
3	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
4	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
5	Ultra-thin broadband terahertz absorption and electromagnetic shielding properties of MXene/rGO composite film. Carbon, 2022, 194, 127-139.	10.3	33
6	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
7	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
8	Mieâ€Resonanceâ€Based Metamaterials with Perfect Absorption in the Terahertz Frequency Range. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2100031.	2.4	3
9	Strain sensing metacomposites of polyaniline/silver nanoparticles/carbon foam. Composites Part A: Applied Science and Manufacturing, 2021, 144, 106351.	7.6	16
10	Magnetic levitation photothermal actuator with sunlight traction. Smart Materials and Structures, 2021, 30, 085007.	3.5	4
11	An Electromagnetic Microwave Stealth Photothermal Soft Actuator with Lightweight and Hydrophobic Properties. ACS Applied Materials & Interfaces, 2021, 13, 32046-32057.	8.0	18
12	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
13	Deformation regulated flexible carbon foam matrix intrinsic metamaterials. Composites Communications, 2021, 27, 100820.	6.3	5
14	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
15	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
16	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
17	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
18	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

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19	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
20	Adjustable Graphene/Polyolefin Elastomer Epsilon-near-Zero Metamaterials at Radiofrequency Range. ACS Applied Materials & Interfaces, 2020, 12, 22019-22028.	8.0	29
21	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
22	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
23	Design and performance of doped carbon nanotube-based thermoelectric devices. Journal of Alloys and Compounds, 2019, 804, 262-271.	5.5	5
24	Carbon Nanotube/Polyolefin Elastomer Metacomposites with Adjustable Radioâ€Frequency Negative Permittivity and Negative Permeability. Advanced Electronic Materials, 2019, 5, 1900011.	5.1	31
25	Graphene/polypyrrole nanocomposites with high negative permittivity and low dielectric loss tangent. Ceramics International, 2019, 45, 5407-5412.	4.8	34
26	Ordered polypyrrole nanorings with near-infrared spectrum absorption and photothermal conversion performance. Chemical Engineering Journal, 2019, 359, 652-661.	12.7	42
27	Carbon nanotubes / epoxy resin metacomposites with adjustable radio-frequency negative permittivity and low dielectric loss. Ceramics International, 2019, 45, 843-848.	4.8	48
28	Synthesis and strengthened microwave absorption properties of three-dimensional porous Fe3O4/graphene composite foam. Ceramics International, 2019, 45, 3126-3132.	4.8	72
29	Generation mechanism of negative dielectric properties of nano-Fe3O4/PANI composites. Materials Chemistry and Physics, 2018, 208, 177-182.	4.0	14
30	Onâ€Surface Synthesis of Carbon Nanostructures. Advanced Materials, 2018, 30, e1705630.	21.0	121
31	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
32	Hydrothermal modification and recycling of nonmetallic particles from waste print circuit boards. Waste Management, 2018, 74, 427-434.	7.4	13
33	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
34	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
35	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
36	The Design and Electromagneticâ€Waveâ€Absorbing Performance of a Broadband Fourâ€Layer Absorbing Composite. Annalen Der Physik, 2018, 530, 1800116.	2.4	9

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37	Carbon nanofibers/polypyrrole nano metacomposites. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 1724-1729.	2.1	11
38	The generation mechanism of negative permittivity in multi-walled carbon nanotubes/polyaniline composites. RSC Advances, 2016, 6, 35378-35386.	3.6	29
39	Nano-Al2O3/PANI composites with high negative permittivity. Organic Electronics, 2016, 39, 133-137.	2.6	26
40	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
41	Negative permittivity and negative permeability of multi-walled carbon nanotubes/polypyrrole nanocomposites. Organic Electronics, 2016, 38, 42-47.	2.6	35
42	Acidified multi-wall carbon nanotubes/polyaniline composites with high negative permittivity. Organic Electronics, 2016, 38, 55-60.	2.6	17
43	Multi-walled carbon nanotubes/polyaniline composites with negative permittivity and negative permeability. Carbon, 2016, 107, 261-267.	10.3	87
44	Generation Mechanism of Negative Dielectric Properties of Metallic Oxide Crystals/Polyaniline Composites. Journal of Physical Chemistry C, 2016, 120, 4937-4944.	3.1	37
45	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
46	Fabrication and microwave absorption properties of magnetite nanoparticleâ€“carbon nanotubeâ€“hollow carbon fiber composites. Carbon, 2015, 81, 20-28.	10.3	195
47	Preparation and dielectric behavior of polyvinylidene fluoride composite filled with modified graphite nanoplatelet. Journal of Applied Polymer Science, 2014, 131, .	2.6	12
48	Synthesis, characterization, and CO2 capture study of micro-nano carbonaceous composites. Science of the Total Environment, 2013, 463-464, 192-198.	8.0	29
49	Study on the preparation and properties of aligned carbon nanotubes/polylactide composite fibers. Polymer Composites, 2012, 33, 1613-1619.	4.6	25
50	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
51	Preparation and characterization of aligned carbon nanotubes/polylactic acid composite fibers. Physica B: Condensed Matter, 2012, 407, 2451-2457.	2.7	17
52	Preparation and characterization of amphiphilic multi-walled carbon nanotubes. Journal of Nanoparticle Research, 2008, 10, 659-663.	1.9	14