

Guohua Fan

List of Publications by Citations

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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.

47
papers

1,097
citations

18
h-index

32
g-index

51
ext. papers

1,320
ext. citations

4.1
avg, IF

5.08
L-index

#	Paper	IF	Citations
47	An overview of metamaterials and their achievements in wireless power transfer. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 2925-2943	7.1	135
46	Tunable Negative Permittivity in Flexible Graphene/PDMS Metacomposites. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 23635-23642	3.8	132
45	Flexible silver nanowire/carbon fiber felt metacomposites with weakly negative permittivity behavior. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 5114-5122	3.6	81
44	Tunable negative permittivity and magnetic performance of yttrium iron garnet/polypyrrole metacomposites at the RF frequency. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 3160-3167	7.1	68
43	Low-temperature sintering Graphene/CaCu ₃ Ti ₄ O ₁₂ nanocomposites with tunable negative permittivity. <i>Journal of Alloys and Compounds</i> , 2019 , 771, 699-710	5.7	56
42	Negative permittivity in titanium nitride-alumina composite for functionalized structural ceramics. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 403-411	3.8	54
41	Facile Synthesis of 3C/C Nanocomposites Derived from Bulrush for Excellent Electromagnetic Wave-Absorbing Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 18765-18774	8.3	53
40	Hydrosoluble Graphene/Polyvinyl Alcohol Membranous Composites with Negative Permittivity Behavior. <i>Macromolecular Materials and Engineering</i> , 2020 , 305, 1900709	3.9	51
39	Tunable negative permittivity behavior and electromagnetic shielding performance of silver/silicon nitride metacomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 130, 105753	8.4	50
38	TiN/Al ₂ O ₃ binary ceramics for negative permittivity metacomposites at kHz frequencies. <i>Journal of Alloys and Compounds</i> , 2021 , 855, 157499	5.7	41
37	Dielectric dispersion of copper/rutile cermets: Dielectric resonance, relaxation, and plasma oscillation. <i>Scripta Materialia</i> , 2021 , 190, 1-6	5.6	40
36	Doping-dependent negative dielectric permittivity realized in mono-phase antimony tin oxide ceramics. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 11610-11617	7.1	29
35	Extremely facile and green synthesis of magnetic carbon composites drawn from natural bulrush for electromagnetic wave absorbing. <i>Journal of Alloys and Compounds</i> , 2020 , 835, 155345	5.7	28
34	Doped ceramics of indium oxides for negative permittivity materials in MHz-kHz frequency regions. <i>Journal of Materials Science and Technology</i> , 2021 , 61, 125-131	9.1	28
33	Radio-frequency negative permittivity in the graphene/silicon nitride composites prepared by spark plasma sintering. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 1598-1606	3.8	27
32	Functional nano-units prepared by electrostatic self-assembly for three-dimension carbon networks hosted in CaCu ₃ Ti ₄ O ₁₂ ceramics towards radio-frequency negative permittivity. <i>Journal of Alloys and Compounds</i> , 2018 , 743, 618-625	5.7	22
31	Tailorable radio-frequency negative permittivity of titanium nitride sintered with different oxidation pretreatments. <i>Ceramics International</i> , 2017 , 43, 16980-16985	5.1	22

30	Epsilon-negative behavior of BaTiO ₃ /Ag metacomposites prepared by an in situ synthesis. <i>Ceramics International</i> , 2020 , 46, 9342-9346	5.1	18
29	Tunable radio-frequency negative permittivity of Carbon/CaCu ₃ Ti ₄ O ₁₂ metacomposites. <i>Journal of Alloys and Compounds</i> , 2020 , 834, 155164	5.7	17
28	Regulation mechanism of negative permittivity in poly (p-phenylene sulfide)/multiwall carbon nanotubes composites. <i>Synthetic Metals</i> , 2018 , 244, 15-19	3.6	16
27	Negative dielectric permittivity and high-frequency diamagnetic responses of percolated nickel/rutile cermets. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 139, 106132	8.4	14
26	Metacomposites: functional design via titanium nitride/nickel(II) oxide composites towards tailorable negative dielectric properties at radio-frequency range. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 5853-5861	2.1	12
25	Chiffon cake-derived hierarchically porous carbon with efficient microwave absorption properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 19173-19181	2.1	10
24	Core-shell structured tungsten carbide / polypyrrole metacomposites with tailorable negative permittivity at the radio frequency. <i>Polymer</i> , 2020 , 188, 122125	3.9	10
23	Graphene/polyphenylene sulfide composites for tailorable negative permittivity media by plasmonic oscillation. <i>Materials Letters</i> , 2019 , 257, 126683	3.3	9
22	Low loading carbon nanotubes supported polypyrrole nano metacomposites with tailorable negative permittivity in radio frequency range. <i>Organic Electronics</i> , 2018 , 63, 362-368	3.5	8
21	Low-frequency plasmonic state and negative permittivity in copper/titanium dioxide percolating composites. <i>Ceramics International</i> , 2021 , 47, 2208-2213	5.1	7
20	Tunable and weakly negative permittivity at radio frequency range based on titanium nitride/polyethylene terephthalate composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 15994-16003	2.1	6
19	Weakly Radio-Frequency Negative Permittivity of Poly(vinylidene fluoride)/Ti ₃ SiC ₂ MAX Phase Metacomposites. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019 , 29, 248-257	3.2	6
18	Communication Epsilon-Negative Metacomposite Realized by Titanium Carbide Alumina Binary Ceramics in Radio Frequency. <i>ECS Journal of Solid State Science and Technology</i> , 2019 , 8, N36-N38	2	5
17	Negative permittivity behavior of titanium nitride/polyphenylene sulfide metacomposites under radio frequency. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 12144-12151	2.1	5
16	Percolated cermets of nickel/yttrium iron garnet for double negative metacomposites. <i>Composites Communications</i> , 2021 , 24, 100667	6.7	5
15	Strategy of adjusting negative permittivity with invariant permeability property in metallic granular percolating composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 1246-1253	2.1	5
14	Three-dimensional graphene network supported by poly phenylene sulfide with negative permittivity at radio-frequency. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 20768-20774	2.1	5
13	Flexible acrylic-polyurethane/copper composites with a frequency and temperature-independent permittivity. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 20832-20839	2.1	5

12	Epsilon-negative media from the viewpoint of materials science. <i>EPJ Applied Metamaterials</i> , 2021 , 8, 11	0.8	3
11	Iron Granular Percolative Composites toward Radio-Frequency Negative Permittivity. <i>ECS Journal of Solid State Science and Technology</i> , 2018 , 7, N132-N136	2	3
10	Defect-induced insulator-metal transition and negative permittivity in La _{1-x} Ba _x CoO ₃ perovskite structure. <i>Journal of Materials Science and Technology</i> , 2022 , 112, 77-84	9.1	2
9	MWCNTs/BaTiO ₃ metacomposite with negative permittivity behavior and electric percolation phenomenon in radio frequency. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 10138-10144	2.1	1
8	Communication-Tunable and Weakly Negative Permittivity in CNTs-CBs/Polystyrene Metacomposites. <i>ECS Journal of Solid State Science and Technology</i> , 2019 , 8, N141-N143	2	1
7	The negative permittivity behavior of carbon nanotubes/yttrium iron garnet composites in the radio frequency. <i>Materials Letters</i> , 2018 , 213, 282-285	3.3	1
6	Meta-composites: NiO supported 3D carbon networks structured by 1D building blocks towards tailorable negative permittivity. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 18815-18827	2.1	1
5	Tailorable Negative Permittivity of Carbon Materials Derived from Microcrystalline Cellulose at Different Carbonizing Temperature. <i>ECS Journal of Solid State Science and Technology</i> , 2020 , 9, 083001	2	0
4	Low-frequency plasmonic state and tunable negative permittivity in percolative graphite / barium titanate composites. <i>Ceramics International</i> , 2021 , 48, 832-832	5.1	0
3	Complex Permittivity and Permeability Spectra of Nickel/Polyphenylene Sulfide Composite in Radio Frequency Range. <i>Materials Science Forum</i> , 2017 , 898, 1757-1763	0.4	
2	Tunable negative permittivity in Ti ₃ SiC ₂ MAX phase/Polymethyl methacrylate metacomposites at radio-frequency region. <i>Functional Materials Letters</i> , 2019 , 12, 1850101	1.2	
1	Paper-based flexible metamaterial for microwave applications. <i>EPJ Applied Metamaterials</i> , 2021 , 8, 6	0.8	