Guohua Fan

List of Publications by Year in Descending Order

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	Defect-induced insulator-metal transition and negative permittivity in La1-xBaxCoO3 perovskite structure. *Journal of Materials Science and Technology*, **2022**, 112, 77-84	9.1	2
46	Percolated cermets of nickel/yttrium iron garnet for double negative metacomposites. *Composites Communications*, **2021**, 24, 100667	6.7	5
45	Doped ceramics of indium oxides for negative permittivity materials in MHz-kHz frequency regions. *Journal of Materials Science and Technology*, **2021**, 61, 125-131	9.1	28
44	TiN/Al2O3 binary ceramics for negative permittivity metacomposites at kHz frequencies. *Journal of Alloys and Compounds*, **2021**, 855, 157499	5.7	41
43	Dielectric dispersion of copper/rutile cermets: Dielectric resonance, relaxation, and plasma oscillation. *Scripta Materialia*, **2021**, 190, 1-6	5.6	40
42	Low-frequency plasmonic state and negative permittivity in copper/titanium dioxide percolating composites. *Ceramics International*, **2021**, 47, 2208-2213	5.1	7
41	Paper-based flexible metamaterial for microwave applications. *EPJ Applied Metamaterials*, **2021**, 8, 6	0.8	
40	Epsilon-negative media from the viewpoint of materials science. *EPJ Applied Metamaterials*, **2021**, 8, 11	0.8	3
39	Low-frequency plasmonic state and tunable negative permittivity in percolative graphite / barium titanate composites. *Ceramics International*, **2021**, 48, 832-832	5.1	0
38	Extremely facile and green synthesis of magnetic carbon composites drawn from natural bulrush for electromagnetic wave absorbing. *Journal of Alloys and Compounds*, **2020**, 835, 155345	5.7	28
37	Flexible silver nanowire/carbon fiber felt metacomposites with weakly negative permittivity behavior. *Physical Chemistry Chemical Physics*, **2020**, 22, 5114-5122	3.6	81
36	Tailorable Negative Permittivity of Carbon Materials Derived from Microcrystalline Cellulose at Different Carbonizing Temperature. *ECS Journal of Solid State Science and Technology*, **2020**, 9, 083001	2	0
35	Epsilon-negative behavior of BaTiO3/Ag metacomposites prepared by an in situ synthesis. *Ceramics International*, **2020**, 46, 9342-9346	5.1	18
34	Tunable negative permittivity behavior and electromagnetic shielding performance of silver/silicon nitride metacomposites. *Composites Part A: Applied Science and Manufacturing*, **2020**, 130, 105753	8.4	50
33	Core-shell structured tungsten carbide / polypyrrole metacomposites with tailorable negative permittivity at the radio frequency. *Polymer*, **2020**, 188, 122125	3.9	10
32	Negative dielectric permittivity and high-frequency diamagnetic responses of percolated nickel/rutile cermets. *Composites Part A: Applied Science and Manufacturing*, **2020**, 139, 106132	8.4	14
31	Doping-dependent negative dielectric permittivity realized in mono-phase antimony tin oxide ceramics. *Journal of Materials Chemistry C*, **2020**, 8, 11610-11617	7.1	29

30	Negative permittivity in titanium nitride-alumina composite for functionalized structural ceramics. *Journal of the American Ceramic Society*, **2020**, 103, 403-411	3.8	54
29	Tunable radio-frequency negative permittivity of Carbon/CaCu3Ti4O12 metacomposites. *Journal of Alloys and Compounds*, **2020**, 834, 155164	5.7	17
28	Hydrosoluble Graphene/Polyvinyl Alcohol Membranous Composites with Negative Permittivity Behavior. *Macromolecular Materials and Engineering*, **2020**, 305, 1900709	3.9	51
27	Tunable Negative Permittivity in Flexible Graphene/PDMS Metacomposites. *Journal of Physical Chemistry C*, **2019**, 123, 23635-23642	3.8	132
26	Graphene/polyphenylene sulfide composites for tailorable negative permittivity media by plasmonic oscillation. *Materials Letters*, **2019**, 257, 126683	3.3	9
25	Chiffon cake-derived hierarchically porous carbon with efficient microwave absorption properties. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 19173-19181	2.1	10
24	Tunable negative permittivity and magnetic performance of yttrium iron garnet/polypyrrole metacomposites at the RF frequency. *Journal of Materials Chemistry C*, **2019**, 7, 3160-3167	7.1	68
23	MWCNTs/BaTiO3 metacomposite with negative permittivity behavior and electric percolation phenomenon in radio frequency. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 10138-10144	2.1	1
22	Communication:Epsilon-Negative Metacomposite Realized by Titanium Carbide Alumina Binary Ceramics in Radio Frequency. *ECS Journal of Solid State Science and Technology*, **2019**, 8, N36-N38	2	5
21	Facile Synthesis of 3C/C Nanocomposites Derived from Bulrush for Excellent Electromagnetic Wave-Absorbing Properties. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 18765-18774	8.3	53
20	Communication:Tunable and Weakly Negative Permittivity in CNTs-CBs/Polystyrene Metacomposites. *ECS Journal of Solid State Science and Technology*, **2019**, 8, N141-N143	2	1
19	Low-temperature sintering Graphene/CaCu3Ti4O12 nanocomposites with tunable negative permittivity. *Journal of Alloys and Compounds*, **2019**, 771, 699-710	5.7	56
18	Tunable negative permittivity in Ti3SiC2 MAX phase/Polymethyl methacrylate metacomposites at radio-frequency region. *Functional Materials Letters*, **2019**, 12, 1850101	1.2	
17	Weakly Radio-Frequency Negative Permittivity of Poly(vinylidene fluoride)/Ti3SiC2 MAX Phase Metacomposites. *Journal of Inorganic and Organometallic Polymers and Materials*, **2019**, 29, 248-257	3.2	6
16	An overview of metamaterials and their achievements in wireless power transfer. *Journal of Materials Chemistry C*, **2018**, 6, 2925-2943	7.1	135
15	Functional nano-units prepared by electrostatic self-assembly for three-dimension carbon networks hosted in CaCu3Ti4O12 ceramics towards radio-frequency negative permittivity. *Journal of Alloys and Compounds*, **2018**, 743, 618-625	5.7	22
14	Metacomposites: functional design via titanium nitride/nickel(II) oxide composites towards tailorable negative dielectric properties at radio-frequency range. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 5853-5861	2.1	12
13	Tunable and weakly negative permittivity at radio frequency range based on titanium nitride/polyethylene terephthalate composites. *Journal of Materials Science: Materials in Electronics* , **2018**, 29, 15994-16003	2.1	6

12	Negative permittivity behavior of titanium nitride/polyphenylene sulfide metacomposites under radio frequency. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 12144-12151	2.1	5
11	The negative permittivity behavior of carbon nanotubes/yttrium iron garnet composites in the radio frequency. *Materials Letters*, **2018**, 213, 282-285	3.3	1
10	Radio-frequency negative permittivity in the graphene/silicon nitride composites prepared by spark plasma sintering. *Journal of the American Ceramic Society*, **2018**, 101, 1598-1606	3.8	27
9	Strategy of adjusting negative permittivity with invariant permeability property in metallic granular percolating composites. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 1246-1253	2.1	5
8	Low loading carbon nanotubes supported polypyrrole nano metacomposites with tailorable negative permittivity in radio frequency range. *Organic Electronics*, **2018**, 63, 362-368	3.5	8
7	Meta-composites: NiO supported 3D carbon networks structured by 1D building blocks towards tailorable negative permittivity. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 18815-18827	2.1	1
6	Three-dimensional graphene network supported by poly phenylene sulfide with negative permittivity at radio-frequency. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 20768-20774	2.1	5
5	Flexible acrylic-polyurethane/copper composites with a frequency and temperature-independent permittivity. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 20832-20839	2.1	5
4	Iron Granular Percolative Composites toward Radio-Frequency Negative Permittivity. *ECS Journal of Solid State Science and Technology*, **2018**, 7, N132-N136	2	3
3	Regulation mechanism of negative permittivity in poly (p-phenylene sulfide)/multiwall carbon nanotubes composites. *Synthetic Metals*, **2018**, 244, 15-19	3.6	16
2	Tailorable radio-frequency negative permittivity of titanium nitride sintered with different oxidation pretreatments. *Ceramics International*, **2017**, 43, 16980-16985	5.1	22
1	Complex Permittivity and Permeability Spectra of Nickel/Polyphenylene Sulfide Composite in Radio Frequency Range. *Materials Science Forum*, **2017**, 898, 1757-1763	0.4	