Yunpeng Qu

List of Publications by Year
in descending order

41 papers	851 citations	471509 17 h-index	477307 29 g-index
41 all docs	41 docs citations	41 times ranked	509 citing authors

#	Article	IF	Citations
1	Ultraweakly and fine-tunable negative permittivity of polyaniline/nickel metacomposites with high-frequency diamagnetic response. Composites Science and Technology, 2022, 217, 109092.	7.8	35
2	Communicationâ€"Function-Oriented Design of 3D Carbon Networks Toward Negative Permittivity at kHz Frequencies. ECS Journal of Solid State Science and Technology, 2022, 11, 013011.	1.8	0
3	Coassembly of elastomeric microfibers and silver nanowires for fabricating ultra-stretchable microtextiles with weakly and tunable negative permittivity. Composites Science and Technology, 2022, 223, 109415.	7.8	29
4	Dielectric properties and negative permittivity performance modulated by dual fillers in CNTs/TiN/CaCu3Ti4O12 ternary composites. Ceramics International, 2022, 48, 28135-28141.	4.8	19
5	Epsilon-near-zero response derived from collective oscillation in the metacomposites with ultralow plasma frequency. Composites Science and Technology, 2022, 227, 109600.	7.8	20
6	TiN/CaCu3Ti4O12 binary ceramics with tunable and weakly negative permittivity. Materials Letters, 2021, 283, 128824.	2.6	7
7	Communicationâ€"Dielectric Dispersion of Chromium Carbide/Copper Calcium Titanate Metacomposites: Epsilon-Negative, Epsilon-Near-Zero, and Inductive Character. ECS Journal of Solid State Science and Technology, 2021, 10, 023006.	1.8	0
8	Communicationâ€"Modulation Mechanism of Epsilon-Negative and Epsilon-Near-Zero Behavior in Carbon Nanotube-Carbon Black/Copper Calcium Titanate Ternary Metacomposites. ECS Journal of Solid State Science and Technology, 2021, 10, 023007.	1.8	3
9	Tailorable epsilon-negative and epsilon-near-zero behavior of TiC/CCTO metacomposites: Low-frequency plasma oscillation. Functional Materials Letters, 2021, 14, 2150015.	1.2	1
10	Communicationâ€"Tunable Negative Permittivity of Ti3SiC2 MAX Phase Granular Metacomposites. ECS Journal of Solid State Science and Technology, 2021, 10, 043002.	1.8	3
11	Tailorable negative permittivity of graphene-carbon nanotube/copper calcium titanate metacomposites. Ceramics International, 2021, 47, 9971-9978.	4.8	21
12	Spark plasma sintered GR-CNT/CaCu3Ti4O12 ceramic nanocomposites with tunable epsilon-negative and epsilon-near-zero property. Ceramics International, 2021, 47, 17345-17352.	4.8	13
13	Radio-frequency epsilon-negative property and diamagnetic response of percolative Ag/CCTO metacomposites. Scripta Materialia, 2021, 203, 114067.	5.2	33
14	Negative-k and positive-k layers introduced into graphene/polyvinylidene fluoride composites to achieve high-k and low loss. Materials and Design, 2021, 209, 110009.	7.0	27
15	Weakly negative permittivity of MWCNT/TiN/CCTO ternary ceramics sintered in argon and nitrogen atmosphere. Ceramics International, 2021, 47, 32297-32302.	4.8	16
16	Negative permittivity in titanium nitrideâ€alumina composite for functionalized structural ceramics. Journal of the American Ceramic Society, 2020, 103, 403-411.	3.8	69
17	Radio-frequency negative permittivity of carbon nanotube/copper calcium titanate ceramic nanocomposites fabricated by spark plasma sintering. Ceramics International, 2020, 46, 2261-2267.	4.8	36
18	Core-shell structured tungsten carbide / polypyrrole metacomposites with tailorable negative permittivity at the radio frequency. Polymer, 2020, 188, 122125.	3.8	13

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19	Grapheneâ€"Carbon Black/CaCu₃Ti₄O₁₂ Ternary Metacomposites toward a Tunable and Weakly Îµ-Negative Property at the Radio-Frequency Region. Journal of Physical Chemistry C, 2020, 124, 23361-23367.	3.1	30
20	Simultaneous epsilon-negative and mu-negative property of Ni/CaCu3Ti4O12 metacomposites at radio-frequency region. Journal of Alloys and Compounds, 2020, 847, 156526.	5.5	25
21	Flexible multi-walled carbon nanotubes/polydimethylsiloxane membranous composites toward high-permittivity performance. Advanced Composites and Hybrid Materials, 2020, 3, 1-7.	21.1	95
22	Sandwiched CdS/Au/ZnO Nanorods with Enhanced Ultraviolet and Visible Photochemical and Photoelectrochemical Properties via Semiconductor and Metal Cosensitizing. Journal of Physical Chemistry C, 2020, 124, 10941-10950.	3.1	13
23	Tunable radio-frequency negative permittivity of Carbon/CaCu3Ti4O12 metacomposites. Journal of Alloys and Compounds, 2020, 834, 155164.	5.5	30
24	Communicationâ€"Tunable Epsilon-Negative Property in FeCrNi/CaCu₃Ti₄O₁₂ Metacomposites. ECS Journal of Solid State Science and Technology, 2020, 9, 053003.	1.8	4
25	Communicationâ€"Tunable Epsilon-Negative Property of Nickel/Copper Calcium Titanate Cermets. ECS Journal of Solid State Science and Technology, 2020, 9, 123004.	1.8	4
26	Communicationâ€"Tunable and Weakly Epsilon-Negative Property Realized by Metallic Granular Metacomposites at Radio-Frequency Region. ECS Journal of Solid State Science and Technology, 2020, 9, 083003.	1.8	0
27	Facile Synthesis of Fe@Fe₃C/C Nanocomposites Derived from Bulrush for Excellent Electromagnetic Wave-Absorbing Properties. ACS Sustainable Chemistry and Engineering, 2019, 7, 18765-18774.	6.7	90
28	Communicationâ€"Tunable and Weakly Negative Permittivity in CNTs-CBs/Polystyrene Metacomposites. ECS Journal of Solid State Science and Technology, 2019, 8, N141-N143.	1.8	1
29	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.	2.2	1
30	Communicationâ€"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.	1.8	7
31	Low-temperature sintering Graphene/CaCu3Ti4O12 nanocomposites with tunable negative permittivity. Journal of Alloys and Compounds, 2019, 771, 699-710.	5.5	73
32	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.	3.7	7
33	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.	5.5	32
34	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.	2.2	16
35	Adsorption mechanisms of metal ions on the potassium dihydrogen phosphate (1â€¯0â€¯0) surface: A density functional theory-based investigation. Journal of Colloid and Interface Science, 2018, 522, 256-263.	9.4	13
36	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.	2.2	8

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37	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.	2.2	1
38	Flexible acrylic-polyurethane/copper composites with a frequency and temperature-independent permittivity. Journal of Materials Science: Materials in Electronics, 2018, 29, 20832-20839.	2.2	7
39	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.	2.2	10
40	Negative permittivity behavior of titanium nitride/polyphenylene sulfide â€œmetacompositesâ€•under radio frequency. Journal of Materials Science: Materials in Electronics, 2018, 29, 12144-12151.	2.2	9
41	Tailorable radio-frequency negative permittivity of titanium nitride sintered with different oxidation pretreatments. Ceramics International, 2017, 43, 16980-16985.	4.8	30