

# Yunpeng Qu

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

851  
citations

535685

17  
h-index

536525

29  
g-index

41  
all docs

41  
docs citations

41  
times ranked

582  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultraweakly and fine-tunable negative permittivity of polyaniline/nickel metacomposites with high-frequency diamagnetic response. <i>Composites Science and Technology</i> , 2022, 217, 109092.	3.8	35
2	Communicationâ€™Function-Oriented Design of 3D Carbon Networks Toward Negative Permittivity at kHz Frequencies. <i>ECS Journal of Solid State Science and Technology</i> , 2022, 11, 013011.	0.9	0
3	Coassembly of elastomeric microfibers and silver nanowires for fabricating ultra-stretchable microtextiles with weakly and tunable negative permittivity. <i>Composites Science and Technology</i> , 2022, 223, 109415.	3.8	29
4	Dielectric properties and negative permittivity performance modulated by dual fillers in CNTs/TiN/CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> ternary composites. <i>Ceramics International</i> , 2022, 48, 28135-28141.	2.3	19
5	Epsilon-near-zero response derived from collective oscillation in the metacomposites with ultralow plasma frequency. <i>Composites Science and Technology</i> , 2022, 227, 109600.	3.8	20
6	TiN/CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> binary ceramics with tunable and weakly negative permittivity. <i>Materials Letters</i> , 2021, 283, 128824.	1.3	7
7	Communicationâ€™Dielectric Dispersion of Chromium Carbide/Copper Calcium Titanate Metacomposites: Epsilon-Negative, Epsilon-Near-Zero, and Inductive Character. <i>ECS Journal of Solid State Science and Technology</i> , 2021, 10, 023006.	0.9	0
8	Communicationâ€™Modulation Mechanism of Epsilon-Negative and Epsilon-Near-Zero Behavior in Carbon Nanotube-Carbon Black/Copper Calcium Titanate Ternary Metacomposites. <i>ECS Journal of Solid State Science and Technology</i> , 2021, 10, 023007.	0.9	3
9	Tailorable epsilon-negative and epsilon-near-zero behavior of TiC/CCTO metacomposites: Low-frequency plasma oscillation. <i>Functional Materials Letters</i> , 2021, 14, 2150015.	0.7	1
10	Communicationâ€™Tunable Negative Permittivity of Ti <sub>3</sub> SiC <sub>2</sub> MAX Phase Granular Metacomposites. <i>ECS Journal of Solid State Science and Technology</i> , 2021, 10, 043002.	0.9	3
11	Tailorable negative permittivity of graphene-carbon nanotube/copper calcium titanate metacomposites. <i>Ceramics International</i> , 2021, 47, 9971-9978.	2.3	21
12	Spark plasma sintered GR-CNT/CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> ceramic nanocomposites with tunable epsilon-negative and epsilon-near-zero property. <i>Ceramics International</i> , 2021, 47, 17345-17352.	2.3	13
13	Radio-frequency epsilon-negative property and diamagnetic response of percolative Ag/CCTO metacomposites. <i>Scripta Materialia</i> , 2021, 203, 114067.	2.6	33
14	Negative-k and positive-k layers introduced into graphene/polyvinylidene fluoride composites to achieve high-k and low loss. <i>Materials and Design</i> , 2021, 209, 110009.	3.3	27
15	Weakly negative permittivity of MWCNT/TiN/CCTO ternary ceramics sintered in argon and nitrogen atmosphere. <i>Ceramics International</i> , 2021, 47, 32297-32302.	2.3	16
16	Negative permittivity in titanium nitrideâ€alumina composite for functionalized structural ceramics. <i>Journal of the American Ceramic Society</i> , 2020, 103, 403-411.	1.9	69
17	Radio-frequency negative permittivity of carbon nanotube/copper calcium titanate ceramic nanocomposites fabricated by spark plasma sintering. <i>Ceramics International</i> , 2020, 46, 2261-2267.	2.3	36
18	Core-shell structured tungsten carbide / polypyrrole metacomposites with tailorable negative permittivity at the radio frequency. <i>Polymer</i> , 2020, 188, 122125.	1.8	13

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19	Graphene@Carbon Black/CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> Ternary Metacomposites toward a Tunable and Weakly $\mu$ -Negative Property at the Radio-Frequency Region. <i>Journal of Physical Chemistry C</i> , 2020, 124, 23361-23367.	1.5	30
20	Simultaneous epsilon-negative and mu-negative property of Ni/CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> metacomposites at radio-frequency region. <i>Journal of Alloys and Compounds</i> , 2020, 847, 156526.	2.8	25
21	Flexible multi-walled carbon nanotubes/polydimethylsiloxane membranous composites toward high-permittivity performance. <i>Advanced Composites and Hybrid Materials</i> , 2020, 3, 1-7.	9.9	95
22	Sandwiched CdS/Au/ZnO Nanorods with Enhanced Ultraviolet and Visible Photochemical and Photoelectrochemical Properties via Semiconductor and Metal Cosensitizing. <i>Journal of Physical Chemistry C</i> , 2020, 124, 10941-10950.	1.5	13
23	Tunable radio-frequency negative permittivity of Carbon/CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> metacomposites. <i>Journal of Alloys and Compounds</i> , 2020, 834, 155164.	2.8	30
24	Communication@Tunable Epsilon-Negative Property in FeCrNi/CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> Metacomposites. <i>ECS Journal of Solid State Science and Technology</i> , 2020, 9, 053003.	0.9	4
25	Communication@Tunable Epsilon-Negative Property of Nickel/Copper Calcium Titanate Cermets. <i>ECS Journal of Solid State Science and Technology</i> , 2020, 9, 123004.	0.9	4
26	Communication@Tunable and Weakly Epsilon-Negative Property Realized by Metallic Granular Metacomposites at Radio-Frequency Region. <i>ECS Journal of Solid State Science and Technology</i> , 2020, 9, 083003.	0.9	0
27	Facile Synthesis of Fe@Fe <sub>3</sub> C/C Nanocomposites Derived from Bulrush for Excellent Electromagnetic Wave-Absorbing Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 18765-18774.	3.2	90
28	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.	0.9	1
29	MWCNTs/BaTiO <sub>3</sub> 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.	1.1	1
30	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.	0.9	7
31	Low-temperature sintering Graphene/CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> nanocomposites with tunable negative permittivity. <i>Journal of Alloys and Compounds</i> , 2019, 771, 699-710.	2.8	73
32	Weakly Radio-Frequency Negative Permittivity of Poly(vinylidene fluoride)/Ti <sub>3</sub> SiC <sub>2</sub> MAX Phase Metacomposites. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 248-257.	1.9	7
33	Functional nano-units prepared by electrostatic self-assembly for three-dimension carbon networks hosted in CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> ceramics towards radio-frequency negative permittivity. <i>Journal of Alloys and Compounds</i> , 2018, 743, 618-625.	2.8	32
34	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.	1.1	16
35	Adsorption mechanisms of metal ions on the potassium dihydrogen phosphate (K <sub>2</sub> HPO <sub>4</sub> ) surface: A density functional theory-based investigation. <i>Journal of Colloid and Interface Science</i> , 2018, 522, 256-263.	5.0	13
36	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.	1.1	8

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37	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.	1.1	1
38	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.	1.1	7
39	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.	1.1	10
40	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.	1.1	9
41	Tailorable radio-frequency negative permittivity of titanium nitride sintered with different oxidation pretreatments. <i>Ceramics International</i> , 2017, 43, 16980-16985.	2.3	30