

Bin Xiao

List of Publications by Year in descending order

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papers

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1039880

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#	ARTICLE	IF	CITATIONS
1	A solid solution-based millimeter-wave absorber exhibiting highly efficient absorbing capability and ultrabroad bandwidth simultaneously <i>via</i> a multi-elemental co-doping strategy. Journal of Materials Chemistry C, 2022, 10, 1381-1393.	2.7	7
2	Cold-sintered Ni _{0.2} Cu _{0.2} Zn _{0.6} Fe ₂ O ₄ -Li ₂ MoO ₄ ceramic composites with enhanced magnetodielectric properties. Journal of the European Ceramic Society, 2021, 41, 1310-1316.	2.8	11
3	Cold-sintered Na ₂ WO ₄ ∩Ni _{0.2} Cu _{0.2} Zn _{0.6} Fe ₂ O ₄ ceramics with matched permittivity and permeability for miniaturized antenna. Journal of the American Ceramic Society, 2021, 104, 2125-2133.	1.9	13
4	Chemical conversion synthesis of magnetic Fe _{1-x} Co _x alloy nanosheets with controlled composition. Chemical Communications, 2021, 57, 2309-2312.	2.2	5
5	Ultralow-loss (1-x)CaWO ₄ -xNa ₂ WO ₄ (x= 0.1, 0.2) microwave dielectric ceramic for LTCC applications. Journal of Materiomics, 2021, 7, 1022-1028.	2.8	12
6	Lane Departure Risk Assessment for Hands-free Driving Functions. , 2021, , .		0
7	A paradigm of topological-microstructure-transition induced magnetic critical behaviors in percolative nanocomposites. Journal of Magnetism and Magnetic Materials, 2020, 497, 166056.	1.0	3
8	Anomalous conductivity behavior induced by in situ metastable amorphous phase in BaTiO ₃ /Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ ceramic composite. Ceramics International, 2020, 46, 28659-28667.	2.3	2
9	Scaling behavior and variable-range-hopping conduction of localized polarons in percolative BaTiO ₃ -Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ ceramic composite with colossal apparent permittivity. Journal of Applied Physics, 2020, 128, .	1.1	2
10	Effect of lattice distortion on the diffusion behavior of high-entropy alloys. Journal of Alloys and Compounds, 2020, 825, 154099.	2.8	64
11	Game-theory Based Driving Decision Algorithm for Intersection Scenarios Considering Driver Irrationality. , 2020, , .		1
12	Magnetoelectric coupling tailored by the orientation of the nanocrystals in only one component in percolative multiferroic composites. RSC Advances, 2019, 9, 20345-20355.	1.7	21
13	Epoxy-Based Ceramic-Polymer Composite with Excellent Millimeter-Wave Broadband Absorption Properties by Facile Approach. Advanced Engineering Materials, 2019, 21, 1900981.	1.6	9
14	Effect of metastability on non-phase-transformation high-entropy alloys. Materials and Design, 2019, 181, 107928.	3.3	9
15	A universal approach of modelling the dielectric behaviors of percolative composite ceramics and thin films. Materials Research Express, 2019, 6, 116319.	0.8	1
16	A tri-phase percolative ceramic composite with high initial permeability and composition-independent giant permittivity. RSC Advances, 2019, 9, 30641-30649.	1.7	3
17	Low-loss insulating-conductive ceramic composite with giant permittivity and high permeability using glass phase as separating layer. Ceramics International, 2016, 42, 4126-4135.	2.3	3
18	Relation between the microstructure and the electromagnetic properties of BaTiO ₃ /Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ ceramic composite. Applied Physics A: Materials Science and Processing, 2015, 119, 1291-1300.	1.1	16

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19	Multi-field susceptible high- f_c ceramic composite with atypical topological microstructure and extraordinary electromagnetic properties. Journal of Materials Chemistry C, 2014, 2, 7482.	2.7	7
20	Multiferroic Ceramic Composite with In Situ Glassy Barrier Interface and Novel Electromagnetic Properties. Journal of Physical Chemistry C, 2014, 118, 5802-5809.	1.5	28
21	Percolative NZFO/BTO ceramic composite with magnetism threshold. Journal of Materials Chemistry C, 2013, 1, 6325.	2.7	26
22	Formation of Sol-Gel In Situ Derived BTO/NZFO Composite Ceramics with Considerable Dielectric and Magnetic Properties. Journal of the American Ceramic Society, 2013, 96, 1240-1247.	1.9	30