Piyi

List of Publications by Year in descending order

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19 papers	475 citations	759233 12 h-index	888059 17 g-index
19 all docs	19 docs citations	19 times ranked	471 citing authors

#	Article	IF	Citations
1	Zr⁴⁺doping-controlled permittivity and permeability of BaFe_{12â^'x}Zr_xO₁₉and the extraordinary EM absorption power in the millimeter wavelength frequency range. Journal of Materials Chemistry C, 2016, 4, 9532-9543.	5.5	84
2	The tunable magnetic and microwave absorption properties of the Nb⁵⁺â€“Ni²⁺ co-doped M-type barium ferrite. Journal of Materials Chemistry C, 2017, 5, 3461-3472.	5.5	63
3	Controllable synthesis of nickel nanowires and its application in high sensitivity, stretchable strain sensor for body motion sensing. Journal of Materials Chemistry C, 2018, 6, 4737-4745.	5.5	61
4	Ferroelectric/ferromagnetic ceramic composite and its hybrid permittivity stemming from hopping charge and conductivity inhomogeneity. Journal of Applied Physics, 2013, 113, .	2.5	47
5	Multi-susceptibile Single-Phased Ceramics with Both Considerable Magnetic and Dielectric Properties by Selectively Doping. Scientific Reports, 2015, 5, 9498.	3.3	46
6	Magnetic-Assisted Transparent and Flexible Percolative Composite for Highly Sensitive Piezoresistive Sensor via Hot Embossing Technology. ACS Applied Materials & Interfaces, 2019, 11, 48331-48340.	8.0	33
7	Formation of BaFe_{12â^'x}Nb_xO₁₉ and its high electromagnetic wave absorption properties in millimeter wave frequency range. Journal of the American Ceramic Society, 2017, 100, 3999-4010.	3.8	25
8	Formation of BaFe12-xNixO19 ceramics with considerably high dielectric and magnetic property coexistence. Journal of Alloys and Compounds, 2018, 765, 951-960.	5.5	22
9	High dielectric tunability of (100) oriented PbxSr1â^'xTiO3 thin film coordinately controlled by dipole activation and phase anisotropy. Journal of Applied Physics, 2011, 110, 124107.	2.5	20
10	Dipole azimuth dependent permittivity in randomly and (100) oriented (Pb,Sr)TiO3 thin films. Journal of Materials Chemistry, 2011, 21, 10808.	6.7	19
11	Control of the nanostructure in percolative multiferroic composites on the dielectric loss and magnetism threshold. Journal of Materials Chemistry C, 2015, 3, 9076-9088.	5.5	15
12	Synthesis of percolative hyperelastic conducting composite and demonstrations of application in wearable strain sensors. Materials Letters, 2018, 233, 306-309.	2.6	13
13	In Situ and Intraoperative Detection of the Ureter Injury Using a Highly Sensitive Piezoresistive Sensor with a Tunable Porous Structure. ACS Applied Materials & Interfaces, 2021, 13, 21669-21679.	8.0	9
14	Effect of Ag doping on the formation and properties of percolative Ag/BiFeO3 composite thin film by solâ€“gel method. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	8
15	Selectively doped barium ferrite ceramics with giant permittivity and high tunability under extremely low electric bias. Journal of Applied Physics, 2021, 130, 124101.	2.5	4
16	Control of VOâ€¢â€¢â€‰â^¼â€‰TiTiâ€² dipole pairs as well as MgTiâ€³ defects on dielectric properties of Mg doped (Pb0.35Sr0.65)TiO3 thin film. Journal of Applied Physics, 2016, 119, .	2.5	3
17	Control of Oxygen Vacancies in TiO₆ Octahedra of Amorphous BaTiO₃ Thin Films with Tunable Builtâ€in Electric Field in aâ€BaTiO₃/pâ€Si Heterojunction for Metalâ€“Oxideâ€“Semiconductor Applications. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1900941.	1.8	3
18	Control of Nano Grains and Wide Carbocyclic Layer Space of Forming Active Carbon with Extraordinary Capacitance Characteristics in Supercapacitors. Journal of Physical Chemistry C, 2021, 125, 6570-6584.	3.1	0

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19	Mechanism of Doping-Induced Orientation of Magnetic Phase in a Solâ€“Gel-Derived Ni_{0.5}Zn_{0.5}Fe₂O₄/BaTiO₃ Multiferroic Thin Film with High Magnetoelectric Coupling. Journal of Physical Chemistry C, 2021, 125, 28025-28038.	3.1	0