

# Jian Wang

## List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	B-Site octahedral bridge and A-site polyvalent Cu cation related electron hopping in LiCuNb <sub>3</sub> O <sub>9</sub> -based colossal permittivity materials. Journal of Materials Chemistry C, 2022, 10, 665-671.	5.5	2
2	Enhanced energy storage performances of CaTiO <sub>3</sub> -based ceramic through A-site Sm <sup>3+</sup> doping and A-site vacancy. Journal of the European Ceramic Society, 2021, 41, 352-359.	5.7	47
3	A novel relaxor (Bi,Na,Ba)(Ti,Zr)O <sub>3</sub> lead-free ceramic with high energy storage performance. Journal of the American Ceramic Society, 2021, 104, 3982-3991.	3.8	20
4	A-site Ca <sup>2+</sup> substitution induced polyvalent Cu cations and correlated polaron relaxations in colossal permittivity Li <sub>1-x</sub> Ca <sub>x</sub> CuNb <sub>3</sub> O <sub>9</sub> . Ceramics International, 2021, 47, 15094-15101.	4.8	2
5	Polaron Hopping Induced Giant Room-Temperature Magnetodielectric Effect in Disordered Rutile NiNb <sub>2</sub> O <sub>6</sub> . Advanced Functional Materials, 2021, 31, 2108950.	14.9	6
6	Enhanced energy storage properties of 0.7BiO $\cdot$ 5NaO $\cdot$ 5TiO <sub>3</sub> -0.3SrTiO <sub>3</sub> ceramic through the addition of NaNbO <sub>3</sub> . Ceramics International, 2021, 47, 30922-30928.	4.8	31
7	Effect of cation arrangement on polaron formation and colossal permittivity in NiNb <sub>2</sub> O <sub>6</sub> . Journal of Materials Chemistry C, 2020, 8, 16107-16112.	5.5	16
8	Equivalent circuit modeling on defect-dipole enhanced dielectric permittivity. Journal of Materials Chemistry C, 2020, 8, 13235-13243.	5.5	13
9	Disorder-Induced Phonon Localization in Incipient Ferroelectric (Ni <sup>1/3</sup> Nb <sup>2/3</sup> ) x Ti <sup>1-x</sup> x O <sub>2</sub> Solid Solutions. Physica Status Solidi (B): Basic Research, 2020, 257, 2000043.	1.5	5
10	Origins of dielectric relaxations in AgNb <sub>7</sub> O <sub>18</sub> ceramic. Ceramics International, 2020, 46, 23021-23026.	4.8	8
11	Controllable synthesis of in situ grown titanate hierarchical microspheres and subsequent chemical modifications for superhydrophobic and oil-water separation properties. RSC Advances, 2020, 10, 11182-11187.	3.6	2
12	Dipolar-glass-like relaxor ferroelectric behaviour in the 0.5BaTiO <sub>3</sub> -0.5Bi(Mg <sup>1/2</sup> Ti <sup>1/2</sup> )O <sub>3</sub> electroceramic. Applied Physics Letters, 2013, 103, .	3.3	24
13	Structural Disorder in the Key Lead-Free Piezoelectric Materials, and. Advances in Condensed Matter Physics, 2013, 2013, 1-5.	1.1	0
14	LOCAL MICROSTRUCTURE EVOLUTION OF BISMUTH SODIUM TITANATE-BASED LEAD-FREE PIEZOELECTRIC SYSTEMS ACROSS THE MORPHOTROPIC PHASE BOUNDARY REGION. Journal of Advanced Dielectrics, 2012, 02, 1230012.	2.4	6
15	Response of intergrown microstructure to an electric field and its consequences in the lead-free piezoelectric bismuth sodium titanate. Journal of Solid State Chemistry, 2012, 187, 309-315.	2.9	24
16	A correlated electron diffraction, in situ neutron diffraction and dielectric properties investigation of poled (1-x)Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -xBaTiO <sub>3</sub> ceramics. Journal of Applied Physics, 2011, 110, .	2.5	21
17	Phase component and conductivities of Co-doped BaTiO <sub>3</sub> thermistors. Journal of Materials Science: Materials in Electronics, 2010, 21, 811-816.	2.2	19
18	Electrical properties of hexagonal BaTi <sub>0.8</sub> Co <sub>0.2</sub> O <sub>3</sub> ceramic with NTC effect. Journal Physics D: Applied Physics, 2009, 42, 235103.	2.8	31