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List of Publications by Year in descending order

21 papers	328 citations	840776 11 h-index	839539 18 g-index
21 all docs	21 docs citations	21 times ranked	435 citing authors

#	Article	IF	Citations
1	A novel wireless gas sensor based on LTCC technology. Sensors and Actuators B: Chemical, 2017, 239, 711-717.	7.8	57
2	Colossal permittivity and dielectric relaxation of (Li, In) Co-doped ZnO ceramics. Journal of Alloys and Compounds, 2017, 698, 200-206.	5.5	35
3	An LC Wireless Microfluidic Sensor Based on Low Temperature Co-Fired Ceramic (LTCC) Technology. Sensors, 2019, 19, 1189.	3.8	27
4	Wireless Microfluidic Sensor for Metal Ion Detection in Water. ACS Omega, 2021, 6, 9302-9309.	3.5	27
5	Electron-pinned defect dipoles in (Li, Al) co-doped ZnO ceramics with colossal dielectric permittivity. Journal of Materials Chemistry A, 2020, 8, 4764-4774.	10.3	26
6	Combinatorial Study of Ceramic Tape-Casting Slurries. ACS Combinatorial Science, 2012, 14, 205-210.	3.8	25
7	Structure and Microwave Dielectric Properties of Gillespite-Type ACuSi₄O₁₀ (A = Ca, Sr, Ba) Ceramics and Quantitative Prediction of the Q Ã— f Value via Machine Learning. ACS Applied Materials & Interfaces, 2021, 13, 17817-17826.	8.0	21
8	High-throughput synthesis and electrical properties of BNTâ€“BTâ€“KNN lead-free piezoelectric ceramics. Journal of Materials Chemistry C, 2020, 8, 3655-3662.	5.5	19
9	Fabrications and Performance of Wireless LC Pressure Sensors through LTCC Technology. Sensors, 2018, 18, 340.	3.8	16
10	Machine learning approaches for permittivity prediction and rational design of microwave dielectric ceramics. Journal of Materiomics, 2021, 7, 1284-1293.	5.7	16
11	Parallel preparation and properties investigation on Li2O-Nb2O5-TiO2 microwave dielectric ceramics. Journal of the European Ceramic Society, 2017, 37, 3951-3957.	5.7	15
12	Kinetics-Driven One-Dimensional Growth of van der Waals Layered SnSe. Journal of Physical Chemistry C, 2021, 125, 12730-12737.	3.1	8
13	Electrical properties and temperature stability of SrTiO 3 â€modified (Bi 1/2 Na 1/2)TiO 3 â€BaTiO 3 â€(K 1/2 Na) Ti ETQq1 1 0.78431	3.8	7
14	AFM-IR probing the influence of polarization on the expression of proteins within single macrophages. Journal of Materials Chemistry B, 2021, 9, 2909-2917.	5.8	6
15	Nanoscale Thermal Behavior of 2D SnSe Nanosheets. Physica Status Solidi - Rapid Research Letters, 2020, 14, 1900577.	2.4	5
16	In Situ Detection of Local Structure Transformation of 2D SnSe Nanosheets through Nanothermomechanical Behavior. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2100121.	2.4	5
17	Machine Learning-Assisted Materials Design and Discovery of Low-Melting-Point Inorganic Oxides for Low-Temperature Cofired Ceramic Applications. ACS Sustainable Chemistry and Engineering, 2022, 10, 1554-1564.	6.7	5
18	Nonâ€Stoichiometry Induced Switching Behavior of Ferroelectric Photovoltaic Effect in BaTiO 3 Ceramics. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1900074.	2.4	4

#	Article	IF	Citations
19	Effects of the post-annealing reductive-atmosphere-sintered (K0.48Na0.52)NbO3 lead-free piezoceramics. Ceramics International, 2020, 46, 27373-27380.	4.8	2
20	Low-temperature sintering of ZnAl₂O₄ ceramics with 4CuO-TiO₂-2Nb₂O₅ composite oxide sintering aid. Ferroelectrics, 2022, 586, 190-198.	0.6	2
21	Ka-Band LTCC Stacked Substrate Integrated Waveguide Bandpass Filter. Wireless Communications and Mobile Computing, 2018, 2018, 1-7.	1.2	0