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List of Publications by Year in descending order

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21
papers

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citations

840776

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docs citations

21
times ranked

435
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Low-temperature sintering of ZnAl ₂ O ₄ ceramics with 4CuO-TiO ₂ -2Nb ₂ O ₅ composite oxide sintering aid. Ferroelectrics, 2022, 586, 190-198.	0.6	2
3	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
4	Wireless Microfluidic Sensor for Metal Ion Detection in Water. ACS Omega, 2021, 6, 9302-9309.	3.5	27
5	Machine learning approaches for permittivity prediction and rational design of microwave dielectric ceramics. Journal of Materiomics, 2021, 7, 1284-1293.	5.7	16
6	Electrical properties and temperature stability of SrTiO ₃ modified (Bi ^{1/2} Na ^{1/2})TiO ₃ BaTiO ₃ (K ^{1/2} Na) _{1-x} Ti _{1-x} QqO ₇ BT / Ov	3.8	0
7	Structure and Microwave Dielectric Properties of Gillespite-Type ACuSi ₄ O ₁₀ (A = Ca, Sr, Ba) Ceramics and Quantitative Prediction of the $Q \times f$ Value via Machine Learning. ACS Applied Materials & Interfaces, 2021, 13, 17817-17826.	8.0	21
8	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
9	Kinetics-Driven One-Dimensional Growth of van der Waals Layered SnSe. Journal of Physical Chemistry C, 2021, 125, 12730-12737.	3.1	8
10	Nanoscale Thermal Behavior of 2D SnSe Nanosheets. Physica Status Solidi - Rapid Research Letters, 2020, 14, 1900577.	2.4	5
11	Effects of the post-annealing reductive-atmosphere-sintered (K _{0.48} Na _{0.52})NbO ₃ lead-free piezoceramics. Ceramics International, 2020, 46, 27373-27380.	4.8	2
12	High-throughput synthesis and electrical properties of BNT-BT-KNN lead-free piezoelectric ceramics. Journal of Materials Chemistry C, 2020, 8, 3655-3662.	5.5	19
13	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
14	An LC Wireless Microfluidic Sensor Based on Low Temperature Co-Fired Ceramic (LTCC) Technology. Sensors, 2019, 19, 1189.	3.8	27
15	Non-Stoichiometry Induced Switching Behavior of Ferroelectric Photovoltaic Effect in BaTiO ₃ Ceramics. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1900074.	2.4	4
16	Ka-Band LTCC Stacked Substrate Integrated Waveguide Bandpass Filter. Wireless Communications and Mobile Computing, 2018, 2018, 1-7.	1.2	0
17	Fabrications and Performance of Wireless LC Pressure Sensors through LTCC Technology. Sensors, 2018, 18, 340.	3.8	16
18	Parallel preparation and properties investigation on Li ₂ O-Nb ₂ O ₅ -TiO ₂ microwave dielectric ceramics. Journal of the European Ceramic Society, 2017, 37, 3951-3957.	5.7	15

#	ARTICLE	IF	CITATIONS
19	Colossal permittivity and dielectric relaxation of (Li, In) Co-doped ZnO ceramics. Journal of Alloys and Compounds, 2017, 698, 200-206.	5.5	35
20	A novel wireless gas sensor based on LTCC technology. Sensors and Actuators B: Chemical, 2017, 239, 711-717.	7.8	57
21	Combinatorial Study of Ceramic Tape-Casting Slurries. ACS Combinatorial Science, 2012, 14, 205-210.	3.8	25