

Sebastjan Glinsek

List of Publications by Year in descending order

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43
times ranked

700
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible vibrational energy harvesting devices using strain-engineered perovskite piezoelectric thin films. <i>Nano Energy</i> , 2019, 55, 182-192.	16.0	101
2	Lead-Free Ferroelectric Potassium Sodium Niobate Thin Films from Solution: Composition and Structure. <i>Journal of the American Ceramic Society</i> , 2012, 95, 515-523.	3.8	52
3	Toward Thick Piezoelectric HfO ₂ -Based Films. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 1900626.	2.4	41
4	Piezoelectricity in hafnia. <i>Nature Communications</i> , 2021, 12, 7301.	12.8	37
5	Combined effects of thickness, grain size and residual stress on the dielectric properties of Ba _{0.5} Sr _{0.5} TiO ₃ thin films. <i>Journal of Alloys and Compounds</i> , 2015, 646, 766-772.	5.5	30
6	Ferroelectric phase transition in polycrystalline KTaO ₃ thin film revealed by terahertz spectroscopy. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	26
7	Fully Transparent Friction-Modulation Haptic Device Based on Piezoelectric Thin Film. <i>Advanced Functional Materials</i> , 2020, 30, 2003539.	14.9	25
8	Direct Patterning of Piezoelectric Thin Films by Inkjet Printing. <i>Advanced Materials Technologies</i> , 2019, 4, 1800168.	5.8	23
9	Probing Antiferroelectric-Ferroelectric Phase Transitions in PbZrO ₃ Capacitors by Piezoresponse Force Microscopy. <i>Advanced Functional Materials</i> , 2020, 30, 2003622.	14.9	23
10	Toward low-temperature processing of lead zirconate titanate thin films: Advances, strategies, and applications. <i>Applied Physics Reviews</i> , 2021, 8, .	11.3	23
11	Lattice dynamics and broad-band dielectric properties of the KTaO ₃ ceramics. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	19
12	Solution-processed BiFeO ₃ thin films with low leakage current. <i>Journal of the European Ceramic Society</i> , 2021, 41, 6449-6455.	5.7	17
13	A film-texture driven piezoelectricity of AlN thin films grown at low temperatures by plasma-enhanced atomic layer deposition. <i>APL Materials</i> , 2020, 8, .	5.1	16
14	Tailoring electrically induced properties by stretching relaxor polymer films. <i>Journal of Applied Physics</i> , 2012, 111, 083515.	2.5	15
15	1-mW Vibration Energy Harvester Based on a Cantilever with Printed Polymer Multilayers. <i>Cell Reports Physical Science</i> , 2020, 1, 100068.	5.6	13
16	KTaO ₃ Ceramics Prepared by the Mechanochemically Activated Solid-State Synthesis. <i>Journal of the American Ceramic Society</i> , 2011, 94, 1368-1373.	3.8	12
17	Transparent Ferroelectric Capacitors on Glass. <i>Micromachines</i> , 2017, 8, 313.	2.9	11
18	Enhancement of ferroelectricity and orientation in solution-derived hafnia thin films through heterogeneous grain nucleation. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	11

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19	Critical field anisotropy in the antiferroelectric switching of PbZrO ₃ films. Applied Physics Letters, 2021, 118, .	3.3	10
20	Influence of tensile vs. compressive stress on fatigue of lead zirconate titanate thin films. Journal of the European Ceramic Society, 2021, 41, 6991-6999.	5.7	10
21	Role of the microstructure in the neutron and gamma-ray irradiation stability of solution-derived Ba _{0.5} Sr _{0.5} TiO ₃ thin films. Acta Materialia, 2015, 88, 34-40.	7.9	9
22	Highly conductive low-temperature combustion-derived transparent indium tin oxide thin film. Materials Advances, 2021, 2, 700-705.	5.4	9
23	Structural evolution of the KTa _{0.6} Nb _{0.4} O ₃ alkoxide-based solutions: probing the transition metals local environment by X-ray absorption spectroscopy. Journal of Sol-Gel Science and Technology, 2012, 62, 1-6.	2.4	7
24	Inkjet-printed silver as alternative top electrode for lead zirconate titanate thin films. Journal of Alloys and Compounds, 2019, 783, 801-805.	5.5	7
25	On the importance of pyrolysis for inkjet-printed oxide piezoelectric thin films. Journal of Materials Chemistry C, 2020, 8, 3740-3747.	5.5	7
26	Growth of {100}-oriented lead zirconate titanate thin films mediated by a safe solvent. Journal of Materials Chemistry C, 2021, 9, 281-287.	5.5	7
27	Tailoring the microstructure and dielectric properties of Ba _{0.5} Sr _{0.5} TiO ₃ thin films by solution-based processing in the frame of the Microstructural Zone Model. Journal of Alloys and Compounds, 2018, 743, 812-818.	5.5	5
28	Influence of substrate stress on in-plane and out-of-plane ferroelectric properties of PZT films. Journal of Applied Physics, 2022, 131, 014101.	2.5	5
29	Direct evidence for bulk photovoltaic charge transport in a ferroelectric polycrystalline film. Scripta Materialia, 2022, 211, 114498.	5.2	5
30	Inkjet-Printed Piezoelectric Thin Films for Transparent Haptics. Advanced Materials Technologies, 2022, 7, .	5.8	5
31	Combined Analytical Transmission Electron Microscopy Approach to Reliable Composition Evaluation of KTaO ₃ . Journal of the American Ceramic Society, 2011, 94, 1611-1618.	3.8	3
32	Mixed Metallo-organic Precursor Systems. , 2013, , 51-69.		3
33	High Electrocaloric Effect in Lead Scandium Tantalate Thin Films with Interdigitated Electrodes. Sensors, 2022, 22, 4049.	3.8	3
34	Processing and Electric Field Dependent Dielectric Properties of KTa _{0.6} Nb _{0.4} O ₃ Thin Films on Alumina. Ferroelectrics, 2009, 387, 112-117.	0.6	2
35	Influence of Numerical Method and Geometry Used by Maxwell's Equation Solvers on Simulations of Ferroelectric Thin-Film Capacitors. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 891-896.	4.6	2
36	Dielectric dynamics of the polycrystalline Ba _{0.5} Sr _{0.5} TiO ₃ thin films. Europhysics Letters, 2016, 114, 47009.	2.0	2

#	ARTICLE	IF	CITATIONS
37	Transparent piezoelectric transducers for large area ultrasonic actuators. , 2017, , .		2
38	Subsolidus phase equilibria in the RuO ₂ -ZnO-SiO ₂ system. Journal of Materials Science, 2007, 42, 5883-5885.	3.7	1
39	Strong Magnetoelectric Effects of 2D Composites Made of AlN Films Grown by Plasma-Enhanced Atomic Layer Deposition on Magnetostrictive Foils for Energy Harvesting Applications. , 2020, , .		1
40	Piezoelectric Ceramics. , 2022, , 22-34.		1
41	Low temperature growth of piezoelectric AlN films by plasma enhanced atomic layer deposition and magnetoelectric coupling with nickel for energy harvesting applications. , 2019, , .		0
42	Low-Temperature Processing. , 2013, , 431-444.		0