

# Ausrine Bartasyte

## List of Publications by Year in descending order

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71  
papers

1,224  
citations

394286

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395590

33  
g-index

72  
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72  
docs citations

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times ranked

1673  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lead-Free LiNbO <sub>3</sub> Thick Film MEMS Kinetic Cantilever Beam Sensor/Energy Harvester. <i>Sensors</i> , 2022, 22, 559.	2.1	7
2	Self-Poled Heteroepitaxial Bi <sub>1-x</sub> Dy <sub>x</sub> FeO <sub>3</sub> Films with Promising Pyroelectric Properties. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	3
3	Dy-Doped BiFeO <sub>3</sub> thin films: piezoelectric and bandgap tuning. <i>Materials Advances</i> , 2022, 3, 3446-3456.	2.6	4
4	LiNbO <sub>3</sub> films – A low-cost alternative lead-free piezoelectric material for vibrational energy harvesters. <i>Mechanical Systems and Signal Processing</i> , 2021, 149, 107171.	4.4	31
5	Multi-dimensional constrained energy optimization of a piezoelectric harvester for E-gadgets. <i>IScience</i> , 2021, 24, 102749.	1.9	24
6	Highly coupled and low frequency vibrational energy harvester using lithium niobate on silicon. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	22
7	Double-peaked resonance in harmonic-free acoustically driven ferromagnetic resonance. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	3
8	A Self-Powered and Battery-Free Vibrational Energy to Time Converter for Wireless Vibration Monitoring. <i>Sensors</i> , 2021, 21, 7503.	2.1	16
9	Piezoelectric Ba and Ti co-doped BiFeO <sub>3</sub> textured films: selective growth of solid solutions or nanocomposites. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16168-16179.	2.7	8
10	Upconverting tri-doped calcium fluoride-based thin films: a comparison of the MOCVD and sol-gel preparation methods. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3865-3877.	2.7	16
11	Facile synthesis of novel lithium ̂ <sup>2</sup> -diketonate glyme adducts: the effect of molecular engineering on the thermal properties. <i>Dalton Transactions</i> , 2020, 49, 1002-1006.	1.6	11
12	Piezoelectric Response in Hybrid Micropillar Arrays of Poly(Vinylidene Fluoride) and Reduced Graphene Oxide. <i>Polymers</i> , 2019, 11, 1065.	2.0	28
13	High-frequency surface acoustic wave devices based on epitaxial Z-LiNbO <sub>3</sub> layers on sapphire. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	13
14	Hybrid lead-free polymer-based nanocomposites with improved piezoelectric response for biomedical energy-harvesting applications: A review. <i>Nano Energy</i> , 2019, 62, 475-506.	8.2	238
15	<a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> <math>b_{11}T_{11}a_{11}O_3</math>	1.1	11
16	Relationship Processing – Composition – Structure – Resistivity of LaNiO <sub>3</sub> Thin Films Grown by Chemical Vapor Deposition Methods. <i>Coatings</i> , 2019, 9, 35.	1.2	6
17	LaFeO <sub>3</sub> Nanofibers for High Detection of Sulfur-Containing Gases. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6023-6032.	3.2	46
18	Piezoelectric and Pyroelectric Energy Harvesting from Lithium Niobate Films. <i>Journal of Physics: Conference Series</i> , 2019, 1407, 012039.	0.3	8

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19	As-grown domain structure in lithium tantalate with spatially nonuniform composition. <i>Ferroelectrics</i> , 2018, 525, 47-53.	0.3	15
20	Effect of LiNbO <sub>3</sub> polarity on the structural, optical and acoustic properties of epitaxial ZnO and Mg <sub>1-x</sub> Zn <sub>x</sub> O films. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 484003.	1.3	3
21	Relationship between the structure and optical properties of lithium tantalate at the zero-birefringence point. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	12
22	Toward High-Quality Epitaxial LiNbO <sub>3</sub> and LiTaO <sub>3</sub> Thin Films for Acoustic and Optical Applications. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600998.	1.9	80
23	Crystallographic and optical study of LiNb <sub>1-x</sub> Ta <sub>x</sub> O <sub>3</sub> . <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017, 73, 498-506.	0.5	11
24	Characterization of single-port SAW resonators at 3.7 GHz based on epitaxial LiNbO <sub>3</sub> layers. , 2017, , .		0
25	Influence of plasma treatments and SnO <sub>2</sub> alloying on the conductive properties of epitaxial Ga <sub>2</sub> O <sub>3</sub> films deposited on C-sapphire by chemical vapor deposition. , 2016, , .		0
26	AlN/IDT/AlN/Sapphire SAW Heterostructure for High-Temperature Applications. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2016, 63, 898-906.	1.7	16
27	Electrical design and simulation of kinetic piezoelectric harvester for distributed control cells. , 2016, , .		1
28	Ga <sub>2</sub> O <sub>3</sub> films alloyed with SnO <sub>2</sub> and treated by RF plasma: an interesting way for the development of transparent contacts for UV-emitting photonics devices. , 2016, , .		0
29	Estimation of temperature dependence of C <sub>44</sub> elastic constant in LiTaO <sub>3</sub> single crystals. , 2015, , .		2
30	Thickness dependent stresses and thermal expansion of epitaxial LiNbO <sub>3</sub> thin films on C-sapphire. <i>Materials Chemistry and Physics</i> , 2015, 149-150, 622-631.	2.0	15
31	Effect of microwave remote plasma and radiofrequency plasma on the photoluminescence of (0001) epitaxial ZnO films. <i>Materials Chemistry and Physics</i> , 2014, 147, 623-628.	2.0	1
32	Packageless AlN/ZnO/Si Structure for SAW Devices Applications. <i>IEEE Sensors Journal</i> , 2013, 13, 487-491.	2.4	28
33	Effect of deposition conditions on the stoichiometry and structural properties of LiNbO <sub>3</sub> thin films deposited by MOCVD. <i>Proceedings of SPIE</i> , 2013, , .	0.8	8
34	Identification of LiNbO <sub>3</sub> , LiNb <sub>3</sub> O <sub>8</sub> and Li <sub>3</sub> NbO <sub>4</sub> phases in thin films synthesized with different deposition techniques by means of XRD and Raman spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 205901.	0.7	50
35	Packageless temperature sensor based on AlN/IDT/ZnO/Silicon layered structure. , 2013, , .		4
36	Ferroelectric nanodomains in epitaxial PbTiO <sub>3</sub> films grown on SmScO <sub>3</sub> and TbScO <sub>3</sub> substrates. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	31

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37	Resolved E-symmetry zone-centre phonons in LiTaO <sub>3</sub> and LiNbO <sub>3</sub> . Journal of Applied Physics, 2012, 111, .	1.1	76
38	Reduction of temperature coefficient of frequency in LiTaO <sub>3</sub> single crystals for surface acoustic wave applications. , 2012, , .		0
39	Structural characterization of PbTiO <sub>3</sub> , Sm <sub>0.6</sub> Nd <sub>0.4</sub> NiO <sub>3</sub> and NdMnO <sub>3</sub> multifunctional Perovskite thin films. EPJ Web of Conferences, 2012, 29, 00009.	0.1	0
40	Residual stresses and clamped thermal expansion in LiNbO <sub>3</sub> and LiTaO <sub>3</sub> thin films. Applied Physics Letters, 2012, 101, 122902.	1.5	23
41	LiTaO <sub>3</sub> crystals with near-zero birefringence. Journal of Applied Crystallography, 2012, 45, 1030-1037.	1.9	10
42	Ferroelectricity and Ferromagnetism of BaTiO <sub>3</sub> /BaFeO <sub>3</sub> Superlattice Thin Films. Japanese Journal of Applied Physics, 2012, 51, 09LB01.	0.8	1
43	AlN/IDT/AlN/Sapphire as packageless structure for SAW applications in harsh environments. , 2012, , .		3
44	LiTaO <sub>3</sub> single crystals treated by Vapour Transport Equilibration for temperature-compensated SAW devices. , 2012, , .		0
45	Growth of LiNb <sub>1-x</sub> Ta <sub>x</sub> O <sub>3</sub> solid solution crystals. Materials Chemistry and Physics, 2012, 134, 728-735.	2.0	28
46	X-ray and transmission electron microscopy structural characterization of multifunctional Perovskite thin films. Thin Solid Films, 2012, 520, 4608-4612.	0.8	0
47	Ferroelectricity and Ferromagnetism of BaTiO <sub>3</sub> /BaFeO <sub>3</sub> Superlattice Thin Films. Japanese Journal of Applied Physics, 2012, 51, 09LB01.	0.8	2
48	Deposition of crack-free 30 nm AlN on IDT/ZnO/Si for wave guiding layer acoustic wave applications. , 2011, , .		2
49	Structural investigation of LN/LT superlattice thin films by field effect scanning transmission electron microscopy equipped with electron dispersive x-ray spectroscopy. , 2011, , .		0
50	Domain structure and Raman modes in PbTiO <sub>3</sub> . Phase Transitions, 2011, 84, 509-520.	0.6	7
51	AlN/ZnO/Si structure - a packageless solution for acoustic wave sensors. , 2011, , .		3
52	Ferroelectric domains in epitaxial PbTiO <sub>3</sub> films on LaAlO <sub>3</sub> substrate investigated by piezoresponse force microscopy and far-infrared reflectance. Journal of Applied Physics, 2011, 110, .	1.1	12
53	Observation of unusual temperature-dependent stripes in LiTaO <sub>3</sub> and LiTa <sub>x</sub> Nb <sub>1-x</sub> O <sub>3</sub> crystals with near-zero birefringence. Journal of Applied Crystallography, 2010, 43, 1305-1313.	1.9	13
54	Temperature-dependent Raman scattering of KTa <sub>1-x</sub> Nb <sub>x</sub> O <sub>3</sub> thin films. Applied Physics Letters, 2010, 96, .	1.5	31

#	ARTICLE	IF	CITATIONS
55	Residual stress estimation in ferroelectric $\text{PbTiO}_3$ thin films by Raman spectroscopy. Physical Review B, 2009, 79, .	1.1	32
56	Multifunctional oxide nanostructures by metal-organic chemical vapor deposition (MOCVD). Pure and Applied Chemistry, 2009, 81, 1523-1534.	0.9	12
57	Raman Study of CeO <sub>2</sub> Texture as a Buffer Layer in the CeO <sub>2</sub> /La <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> /Ni Architecture for Coated Conductors. Applied Spectroscopy, 2009, 63, 401-406.	1.2	13
58	Investigation of thickness-dependent stress in $\text{PbTiO}_3$ thin films. Journal of Applied Physics, 2008, 103, .	1.1	36
59	Stability of the polydomain state in epitaxial ferroelectric $\text{PbTiO}_3$ films. Applied Physics Letters, 2008, 93, 242907.	1.5	5
60	Raman spectroscopy and X-ray diffraction studies of stress effects in $\text{PbTiO}_3$ thin films. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 2623-2631.	1.7	15
61	Ferroelectric $\text{PbTiO}_3$ Films Grown by Pulsed Liquid Injection Metalorganic Chemical Vapour Deposition. Ferroelectrics, 2007, 353, 104-115.	0.3	11
62	Raman Spectroscopy and X-ray Diffraction Studies of Stress Effects in $\text{PbTiO}_3$ Thin Films. Applications of Ferroelectrics, IEEE International Symposium on, 2007, , .	0.0	0
63	Ferroelectric $\text{PbTiO}_3$ films grown by pulsed liquid injection MOCVD. Surface and Coatings Technology, 2007, 201, 9340-9344.	2.2	9
64	Growth of $\text{Pr}_2\text{O}_3$ layers by pulsed injection MOCVD. Materials Research Society Symposia Proceedings, 2004, 811, 387.	0.1	1
65	Metal-organic chemical vapour deposition of mixed-conducting perovskite oxide layers on monocrystalline and porous ceramic substrates. Thin Solid Films, 2004, 449, 94-99.	0.8	19
66	Thick SmBCO layers and SmBCO/YBCO structures grown by pulsed injection MOCVD. Physica C: Superconductivity and Its Applications, 2004, 415, 21-28.	0.6	7
67	Hafnium oxoneopentoxide as a new MOCVD precursor for hafnium oxide films. Journal of Crystal Growth, 2004, 267, 529-537.	0.7	26
68	New sterically hindered Hf, Zr and Y $\beta^2$ -diketonates as MOCVD precursors for oxide films. Journal of Materials Chemistry, 2004, 14, 1245-1251.	6.7	46
69	On the possibility of growing unidirectionally twinned $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ thin films on $\text{YAlO}_3$ . Physica C: Superconductivity and Its Applications, 2003, 400, 36-42.	0.6	5
70	$\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ and $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ thin films grown by pulsed injection MOCVD. European Physical Journal Special Topics, 2001, 11, Pr11-215-Pr11-219.	0.2	0
71	Direct Liquid Injection Chemical Vapor Deposition. , 0, , .		4