

I Burc Misirlioglu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Temperature Dependent Electrical and Electrocaloric Properties of Textured 0.72PMN - 0.28PT Ceramics*. Integrated Ferroelectrics, 2022, 223, 214-227.	0.3	2
2	Effects of interphase boundaries in Ginzburgâ€“Landau one-dimensional model of two-phase states in clamped systems. Journal of Applied Physics, 2021, 129, 044102.	1.1	2
3	Synthesis and Morphological Control of VO2 Nanostructures via a One-Step Hydrothermal Method. Nanomaterials, 2021, 11, 752.	1.9	19
4	Vapor phase synthesis of ferroelectric microislands on PVDF thin films. Nanotechnology, 2021, 32, 435601.	1.3	1
5	Chirality Switching in Ferromagnetic Nanostructures Via Nanosecond Electric Pulses. Annalen Der Physik, 2021, 533, 2100167.	0.9	3
6	Effect of texture on the electrical and electrocaloric properties of 0.90Pb(Mg1/3Nb2/3)O3â€“0.10PbTiO3 relaxor ceramics. Journal of Applied Physics, 2020, 128, .	1.1	9
7	Landau, Ginzburg, Devonshire and others. Ferroelectrics, 2020, 569, 310-323.	0.3	5
8	Crossover of spectral reflectance lineshapes in Ge-doped VO2 thin films. Optical Materials, 2020, 104, 109890.	1.7	6
9	Fabrication and Characterization of Fe₁₆N₂ Microâ€“Flake Powders and Their Extrusionâ€“Based 3D Printing into Permanent Magnet Form. Advanced Engineering Materials, 2020, 22, 2000311.	1.6	8
10	A Theoretical Treatment of THz Resonances in Semiconductor GaAs pâ€“n Junctions. Materials, 2019, 12, 2412.	1.3	2
11	Morphology induced spectral reflectance lineshapes in VO2 thin films. Journal of Applied Physics, 2019, 125, .	1.1	6
12	Loss of spin polarization in ferromagnet/ferroelectric tunnel junctions due to screening effects. Journal Physics D: Applied Physics, 2019, 52, 015305.	1.3	2
13	Loss of elastic stability and formation of inhomogeneous states at phase transitions in thin films on substrates. Ferroelectrics, 2018, 533, 1-9.	0.3	1
14	Selective IR response of highly textured phase change VO₂ nanostructures obtained via oxidation of electron beam deposited metallic V films. Optical Materials Express, 2018, 8, 2035.	1.6	9
15	Compositionally graded ferroelectrics as wide band gap semiconductors: Electrical domain structures and the origin of low dielectric loss. Acta Materialia, 2017, 122, 266-276.	3.8	25
16	Negative bulk modulus and possibility of loss of elastic stability near tricritical transitions in thin films on substrates. Ferroelectrics, 2016, 500, 116-128.	0.3	4
17	Low-voltage ferroelectricâ€“paraelectric superlattices as gate materials for field-effect transistors. Journal of Materials Science, 2016, 51, 487-498.	1.7	9
18	Tailoring dielectric properties of ferroelectric-dielectric multilayers. Applied Physics Letters, 2014, 104, 022901.	1.5	18

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19	Carrier accumulation near electrodes in ferroelectric films due to polarization boundary conditions. Journal of Applied Physics, 2014, 116, 024102.	1.1	12
20	Strong dependence of dielectric properties on electrical boundary conditions and interfaces in ferroelectric superlattices. Applied Physics Letters, 2014, 104, 022906.	1.5	21
21	Strong smearing and disappearance of phase transitions into polar phases due to inhomogeneous lattice strains induced by A-site doping in $\text{Bi}_{1-x}\text{A}_x\text{FeO}_3$ (A: La, Sm, Gd). Journal of Alloys and Compounds, 2014, 604, 117-129.	2.8	31
22	Very large dielectric response from ferroelectric nanocapacitor films due to collective surface and strain relaxation effects. Journal of Applied Physics, 2013, 114, 194101.	1.1	3
23	Phase transitions in ferroelectric-paraelectric superlattices: Stability of single domain state. Applied Physics Letters, 2013, 103, 192906.	1.5	11
24	Potential barrier increase due to Gd doping of BiFeO_3 layers in $\text{Nb:SrTiO}_3\text{-BiFeO}_3\text{-Pt}$ structures displaying diode-like behavior. Applied Physics Letters, 2012, 100, 252903.	1.5	19
25	Ferrofluid actuation with varying magnetic fields for micropumping applications. Microfluidics and Nanofluidics, 2012, 13, 683-694.	1.0	40
26	Effects of the depolarization field in a perforated film of the biaxial ferroelectric. Physics of the Solid State, 2012, 54, 2243-2252.	0.2	8
27	Polarization retention and switching in ferroelectric nanocapacitors with defects on tensile substrates. Solid-State Electronics, 2012, 67, 38-44.	0.8	3
28	Phase transitions in ferroelectric-paraelectric superlattices. Journal of Applied Physics, 2011, 110, .	1.1	23
29	Asymmetric hysteresis loops and smearing of the dielectric anomaly at the transition temperature due to space charges in ferroelectric thin films. Journal of Applied Physics, 2010, 108, .	1.1	49
30	Influence of long-range dipolar interactions on the phase stability and hysteresis shapes of ferroelectric and antiferroelectric multilayers. Journal of Materials Science, 2009, 44, 5354-5363.	1.7	5
31	Cation ordering in epitaxial lead zirconate titanate films. Applied Physics Letters, 2008, 93, 262903.	1.5	8
32	PHASE TRANSFORMATION CHARACTERISTICS OF BARIUM STRONTIUM TITANATE FILMS ON ANISOTROPIC SUBSTRATES WITH (001)//(001) EPITAXY. Integrated Ferroelectrics, 2008, 101, 29-36.	0.3	0
33	LOW-TEMPERATURE MONOCLINIC PHASE IN EPITAXIAL (001) BARIUM TITANATE ON (001) CUBIC SUBSTRATES. Integrated Ferroelectrics, 2008, 101, 4-11.	0.3	0
34	Ferroelectric/Antiferroelectric $\text{Pb}(\text{Zr}_{0.8}\text{Ti}_{0.2})\text{O}_3/\text{PbZrO}_3$ Epitaxial Multilayers: Growth and Thickness-Dependent Properties. Ferroelectrics, 2008, 370, 140-146.	0.3	7
35	Thickness-driven antiferroelectric-to-ferroelectric phase transition of thin PbZrO_3 layers in epitaxial $\text{PbZrO}_3\text{-Pb}(\text{Zr}_{0.8}\text{Ti}_{0.2})\text{O}_3$ multilayers. Applied Physics Letters, 2007, 91, .	1.5	52
36	Antiferroelectric hysteresis loops with two exchange constants using the two dimensional Ising model. Applied Physics Letters, 2007, 91, 202905.	1.5	12

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37	Defect microstructures in epitaxial PbZr _{0.2} Ti _{0.8} O ₃ films grown on (001) SrTiO ₃ by pulsed laser deposition. Journal of Materials Science, 2006, 41, 697-707.	1.7	34
38	Dielectric tunability of (110) oriented barium strontium titanate epitaxial films on (100) orthorhombic substrates. Applied Physics Letters, 2006, 89, 042903.	1.5	17