

# Iulian Boerasu

## List of Publications by Year in descending order

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papers

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citations

758635

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-ferroelectric-metal structures with Schottky contacts. II. Analysis of the experimental current-voltage and capacitance-voltage characteristics of Pb(Zr,Ti)O <sub>3</sub> thin films. Journal of Applied Physics, 2005, 98, 124104.	1.1	141
2	Competition between ferroelectric and semiconductor properties in Pb(Zr <sub>0.65</sub> Ti <sub>0.35</sub> )O <sub>3</sub> thin films deposited by sol-gel. Journal of Applied Physics, 2003, 93, 4776-4783.	1.1	100
3	Effects of porosity on ferroelectric properties of Pb(Zr <sub>0.2</sub> Ti <sub>0.8</sub> )O <sub>3</sub> films. Thin Solid Films, 2007, 515, 6557-6561.	0.8	41
4	Effects of nickel content on the microstructure, microhardness and corrosion behavior of high-entropy AlCoCrFeNi <sub>x</sub> alloys. Scientific Reports, 2020, 10, 21119.	1.6	40
5	Ferroelectric properties of Pb <sub>1-3y/2</sub> La <sub>y</sub> (Zr <sub>0.4</sub> Ti <sub>0.6</sub> )O <sub>3</sub> structures with La concentration gradients. Applied Physics Letters, 2000, 77, 2231-2233.	1.5	39
6	Simple model of polarization offset of graded ferroelectric structures. Journal of Applied Physics, 2003, 93, 9961-9967.	1.1	35
7	Processing and dielectric characterization of Ba <sub>0.3</sub> Sr <sub>0.7</sub> TiO <sub>3</sub> thin films on alumina substrates. Journal of the European Ceramic Society, 2007, 27, 2945-2948.	2.8	25
8	Properties of Pb(Zr <sub>0.92</sub> Ti <sub>0.08</sub> )O <sub>3</sub> thin films deposited by sol-gel. Thin Solid Films, 2004, 458, 114-120.	0.8	21
9	Pulse laser ablation system for carbon nano-onions fabrication. Surface Engineering and Applied Electrochemistry, 2014, 50, 390-394.	0.3	16
10	New laser ablation chamber for producing carbon nanomaterials using excimer laser. Materials Research Innovations, 2015, 19, 33-39.	1.0	15
11	Nitrogen Functionalization of CVD Grown Three-Dimensional Graphene Foam for Hydrogen Evolution Reactions in Alkaline Media. Materials, 2021, 14, 4952.	1.3	15
12	Optical Properties of PZT 65/35 Thin Films Deposited by Sol-Gel. Ferroelectrics, 2002, 268, 187-192.	0.3	14
13	Pyroelectric current spectroscopy: example of application on Nb doped Pb(Zr <sub>0.92</sub> Ti <sub>0.08</sub> )O <sub>3</sub> ceramics for infrared detection. Sensors and Actuators A: Physical, 2004, 115, 185-190.	2.0	10
14	Scanning polarization force microscopy investigation of contact angle and disjoining pressure of glycerol and sulfuric acid on highly oriented pyrolytic graphite and aluminum. EPJ Applied Physics, 2013, 64, 31302.	0.3	10
15	Synthesis of single-wall carbon nanotubes by excimer laser ablation. Surface Engineering and Applied Electrochemistry, 2014, 50, 294-299.	0.3	10
16	Wetting properties of glycerol on silicon, native SiO <sub>2</sub> , and bulk SiO <sub>2</sub> by scanning polarization force microscopy. Journal of Adhesion Science and Technology, 2014, 28, 1277-1287.	1.4	9
17	The effects of the oxygen content on the photoelectrochemical properties of LaFeO <sub>3</sub> perovskite thin films obtained by pulsed laser deposition. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	8
18	Properties of ferroelectric films based on Nb-modified PZT produced by PLD technique. Applied Surface Science, 2003, 208-209, 604-610.	3.1	7

#	ARTICLE	IF	CITATIONS
19	Electrospinning Fabrication and Cytocompatibility Investigation of Nanodiamond Particles-Gelatin Fibrous Tubular Scaffolds for Nerve Regeneration. <i>Polymers</i> , 2021, 13, 407.	2.0	7
20	Structural and electrical properties of sol-gel deposited Pb(Zr <sub>0.92</sub> Ti <sub>0.08</sub> )O <sub>3</sub> thin films doped with Nb. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004, 109, 174-177.	1.7	6
21	Structural and Piezoelectric Properties of Rare Earth Doped PbTiO <sub>3</sub> Ceramics. <i>Ferroelectrics</i> , 2002, 273, 267-272.	0.3	4
22	Influence of the Iron as a Dopant on the Refractive Index of WO <sub>3</sub> . <i>Materials</i> , 2021, 14, 5845.	1.3	4
23	Structural and photoelectrical properties of Nb-doped PZT thin films deposited by pulsed laser ablation. <i>Journal of the European Ceramic Society</i> , 2004, 24, 1633-1636.	2.8	3
24	RELATION BETWEEN PROCESSING, MICROSTRUCTURE AND ELECTRIC FIELD-DEPENDENT DIELECTRIC PROPERTIES OF Ba <sub>0.3</sub> Sr <sub>0.7</sub> TiO <sub>3</sub> THIN FILMS ON ALUMINA SUBSTRATES. <i>Integrated Ferroelectrics</i> , 2007, 93, 119-125.	0.3	3
25	Characterization of Nb-doped PZT (65/35/1) ferroelectric thin films deposited by pulsed laser ablation. <i>Vacuum</i> , 2008, 82, 1379-1382.	1.6	2
26	Facile Modification of Flexible Electrodes via Laser Transfer. <i>Materials</i> , 2022, 15, 2488.	1.3	2
27	Growth and Properties of Pb(Zr <sub>0.92</sub> Ti <sub>0.08</sub> )O <sub>3</sub> Thin Films. <i>Integrated Ferroelectrics</i> , 2004, 62, 83-87.	0.3	1
28	Electric Properties of PZTN (65/35/x) Thin Films Deposited by Sol-Gel. <i>Ferroelectrics</i> , 2003, 293, 135-143.	0.3	1
29	Electrical and optical characterization of PbTiO <sub>3</sub> /Si heterostructures for applications in optoelectronics. , 1998, , .		0
30	Considerations on the semiconducting properties of PZT 65/35 thin films. , 0, , .		0
31	Electric Properties of PZTN (65/35/x) Thin Films Deposited by Sol-Gel. <i>Ferroelectrics</i> , 2003, 293, 135-143.	0.3	0
32	Optical and Raman spectroscopy of (As <sub>4</sub> S <sub>3</sub> Se <sub>3</sub> ) <sub>1-x</sub> :Sn <sub>x</sub> glasses. , 2015, , .		0
33	The Influence of Interface on the Spontaneous Polarisation in PbTiO <sub>3</sub> Thin Films Deposited on a Silicon Substrate. , 2000, , 301-308.		0
34	Fly-Ash Evaluation as Potential EOL Material Replacement of Cement in Pastes: Morpho-Structural and Physico-Chemical Properties Assessment. <i>Materials</i> , 2022, 15, 3092.	1.3	0