

Armando Arm Reyes-Montero

List of Publications by Year in descending order

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18
papers

253
citations

1307594

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19
all docs

19
docs citations

19
times ranked

371
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards Lead-Free Piezoceramics: Facing a Synthesis Challenge. <i>Materials</i> , 2016, 9, 21.	2.9	93
2	Lead-free Ba _{0.9} Ca _{0.1} Ti _{0.9} Zr _{0.1} O ₃ piezoelectric ceramics processed below 1300Å°C. <i>Journal of Alloys and Compounds</i> , 2014, 584, 28-33.	5.5	45
3	Electric field effect on the microstructure and properties of Ba _{0.9} Ca _{0.1} Ti _{0.9} Zr _{0.1} O ₃ (BCTZ) lead-free ceramics. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5419-5429.	10.3	24
4	Dielectric and Impedance Analysis on the Electrical Response of Lead-Free Ba _{1-x} CaxTi _{0.9} Zr _{0.1} O ₃ Ceramics at High Temperature Range. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 214.	2.5	19
5	Sub-10 Å grain size, Ba _{1-x} CaxTi _{0.9} Zr _{0.1} O ₃ and Structures. 2015. 24. 065033.	3.5	17
6	Complex dielectric function and opto-electronic characterization using VEELS for the lead-free BCZT electro-ceramic perovskite. <i>Micron</i> , 2021, 149, 103124.	2.2	10
7	Ba _{1-x} CaxTi _{0.9} Zr _{0.1} O ₃ shear properties and their frequency dependence determined from ceramic plates by an effective method for resonance decoupling. <i>Journal of Alloys and Compounds</i> , 2019, 806, 428-438.	5.5	8
8	Confocal Raman Microscopy, Synchrotron X-ray Diffraction, and Photoacoustic Study of Ba _{0.85} Ca _{0.15} Ti _{0.90} Zr _{0.10} O ₃ : Understanding Structural and Microstructural Response to the Electric Field. <i>ACS Applied Electronic Materials</i> , 2021, 3, 2966-2976.	4.3	7
9	Complete set of ferro/piezoelectric properties of BaZrO ₃ and (Ba,Ca)ZrO ₃ doped KNLNS-based electroceramics. <i>Ceramics International</i> , 2022, 48, 21090-21100.	4.8	7
10	Assessment of the functional properties stability in (Ba _{0.85} Ca _{0.15})(Zr _{0.1} Ti _{0.9})O ₃ piezoceramics: Huge dielectric and piezoelectric nonlinearity. <i>Journal of Alloys and Compounds</i> , 2019, 774, 410-417.	5.5	6
11	Piezoelectric, Dielectric and Ferroelectric Properties of (1-x)(K _{0.48} Na _{0.52}) _{0.95} Li _{0.05} Nb _{0.95} Sb _{0.05} O _{3-x} Ba _{0.5} (Bi _{0.5} Na _{0.5}) _{0.5} ZrO ₃ Lead-Free Solid Solution. <i>Journal of Electronic Materials</i> , 2018, 47, 6053-6058.	2.2	4
12	A Modified Iterative Automatic Method for Characterization at Shear Resonance: Case Study of Ba _{0.85} Ca _{0.15} Ti _{0.90} Zr _{0.10} O ₃ Eco-Piezoceramics. <i>Materials</i> , 2020, 13, 1666.	2.9	4
13	Ecological, lead-free ferroelectrics. , 2018, , 201-219.		2
14	Structural, Micro-structural and Electronic Structure Evolution in Polycrystalline Perovskite Electro-ceramics Based on Ba _{1-x} CaxTi _{0.9} Zr _{0.1} O ₃ . <i>Microscopy and Microanalysis</i> , 2018, 24, 392-393.	0.4	2
15	Effects of local distortion on the electrical properties of lead free perovskite-type electro-ceramics Ba _{1-x} Ca _x Ti _{0.9} Zr _{0.1} O ₃ . <i>Journal of Physics: Conference Series</i> , 2019, 1221, 012005.	0.4	2
16	Performance of membranes based on novel Ce _{0.8} Sm _{0.2} O _{2-Î} /Ag cermet and molten carbonates for CO ₂ and O ₂ separation. <i>Chemical Engineering Science</i> , 2022, 255, 117673.	3.8	2
17	Effect of antimony content on electrical and structural properties of 0.98(K _{0.48} Na _{0.52}) _{0.95} Li _{0.05} Nb _{0.95} Sb _{0.05} O _{3-x} Ba _{0.5} (Bi _{0.5} Na _{0.5}) _{0.5} ZrO ₃ ceramics. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2021, 60, 266-272.	1.9	1
18	Electrical evaluation insights of enhanced mullite-Ag cermets. <i>MRS Communications</i> , 2021, 11, 568.	1.8	0