Armando Arm Reyes-Montero

List of Publications by Year
in descending order

18	253	1307594 7	940533 16
papers	citations	h-index	g-index

19	19	19	371
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Complete set of ferro/piezoelectric properties of BaZrO3 and (Ba,Ca)ZrO3 doped KNLNS-based electroceramics. Ceramics International, 2022, 48, 21090-21100.	4.8	7
2	Performance of membranes based on novel Ce0.8Sm0.2O2-Î´ /Ag cermet and molten carbonates for CO2 and O2 separation. Chemical Engineering Science, 2022, 255, 117673.	3.8	2
3	Effect of antimony content on electrical and structural properties of 0.98(K0.48Na0.52)0.95Li0.05Nb1â^'Sb O3â€“0.02Ba0.5(Bi0.5Na0.5)0.5ZrO3 ceramics. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2021, 60, 266-272.	1.9	1
4	Confocal Raman Microscopy, Synchrotron X-ray Diffraction, and Photoacoustic Study of Ba_{0.85}Ca_{0.15}Ti_{0.90}Zr_{0.10}O₃: Understanding Structural and Microstructural Response to the Electric Field. ACS Applied Electronic Materials, 2021, 3, 2966-2976.	4.3	7
5	Electrical evaluation insights of enhanced mullite-Ag cermets. MRS Communications, 2021, 11, 568.	1.8	0
6	Complex dielectric function and opto-electronic characterization using VEELS for the lead-free BCZT electro-ceramic perovskite. Micron, 2021, 149, 103124.	2.2	10
7	A Modified Iterative Automatic Method for Characterization at Shear Resonance: Case Study of Ba0.85Ca0.15Ti0.90Zr0.10O3 Eco-Piezoceramics. Materials, 2020, 13, 1666.	2.9	4
8	Effects of local distortion on the electrical properties of lead free perovskite-type electro-ceramics Ba_{1-x}Ca_xTi_{0.9}Zr_{0.1}O₃. Journal of Physics: Conference Series, 2019, 1221, 012005.	0.4	2
9	Ba1-xCaxTi0.90Zr0Â·10O3 shear properties and their frequency dependence determined from ceramic plates by an effective method for resonance decoupling. Journal of Alloys and Compounds, 2019, 806, 428-438.	5.5	8
10	Assessment of the functional properties stability in (Ba0.85Ca0.15)(Zr0.1Ti0.9)O3 piezoceramics: Huge dielectric and piezoelectric nonlinearity. Journal of Alloys and Compounds, 2019, 774, 410-417.	5.5	6
11	Electric field effect on the microstructure and properties of Ba_{0.9}Ca_{0.1}Ti_{0.9}Zr_{0.1}O₃ (BCTZ) lead-free ceramics. Journal of Materials Chemistry A, 2018, 6, 5419-5429.	10.3	24
12	Ecological, lead-free ferroelectrics. , 2018, , 201-219.		2
13	Piezoelectric, Dielectric and Ferroelectric Properties of (1â^'x)(K0.48Na0.52)0.95Li0.05Nb0.95Sb0.05O3-xBa0.5(Bi0.5Na0.5)0.5ZrO3 Lead-Free Solid Solution. Journal of Electronic Materials, 2018, 47, 6053-6058.	2.2	4
14	Structural, Micro-structural and Electronic Structure Evolution in Polycrystalline Perovskite Electro-ceramics Based on Ba1-xCaxTi0.9Zr0.1O3. Microscopy and Microanalysis, 2018, 24, 392-393.	0.4	2
15	Dielectric and Impedance Analysis on the Electrical Response of Lead-Free Ba1â^'xCaxTi0.9Zr0.1O3 Ceramics at High Temperature Range. Applied Sciences (Switzerland), 2017, 7, 214.	2.5	19
16	Towards Lead-Free Piezoceramics: Facing a Synthesis Challenge. Materials, 2016, 9, 21.	2.9	93
17	Sub-10 Î¼m grain size, Ba_{1â^'x}Ca_xTi_{0.9}Zr_{0.1}O₃(x=) Tj ETQq1 1 0.784 and Structures, 2015, 24, 065033.	3.5	17
18	Lead-free Ba0.9Ca0.1Ti0.9Zr0.1O3 piezoelectric ceramics processed below 1300Â°C. Journal of Alloys and Compounds, 2014, 584, 28-33.	5.5	45