

A Reyes-Rojas

List of Publications by Year in descending order

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papers

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759233

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610901

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748
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#	ARTICLE	IF	CITATIONS
1	Red-emission analysis, Judd–Ofelt intensity parameters and laser properties of CdMgZnO: $x\text{Eu}^{3+}$ nanocrystals: the effects of Eu^{3+} concentration. Journal of Physics D: Applied Physics, 2021, 54, 345108.	2.8	4
2	Enhancing $\text{Pr}_{1-x}\text{Ba}_x\text{MnO}_3$ perovskite charge-transport by electronic structure modulation. Journal of Materials Science, 2021, 56, 16510-16523.	3.7	2
3	Near band edge and defect emissions in wurtzite $\text{Cd}_{0.025}\text{Mg}_{0.10}\text{Zn}_{0.875}\text{O}$ nanocrystals. Optical Materials, 2021, 118, 111227.	3.6	1
4	Complex dielectric function and opto-electronic characterization using VEELS for the lead-free BCZT electro-ceramic perovskite. Micron, 2021, 149, 103124.	2.2	10
5	Electronic configuration and magnetic properties of $\text{La}_{0.7}\text{Ca}_{0.3}\text{Mn}_{1-x}\text{Fe}_x\text{O}_3$ perovskite NPs: The effect of a lower Fe^{3+} concentration. Journal of Alloys and Compounds, 2020, 816, 152668.	5.5	4
6	Towards improving low-temperature degradation of zirconia/alumina ceramics via in-situ formation of an Al_2O_3 functional surface layer through sintering in the presence of graphite powder. Journal of Alloys and Compounds, 2020, 818, 152840.	5.5	5
7	Multiferroic response in bismuth ferrite doped heterostructures: A buffer layer inference. Applied Surface Science, 2020, 533, 147491.	6.1	3
8	Multiplet structure for perovskite-type $\text{Ba}_{0.9}\text{Ca}_{0.1}\text{Ti}_{0.9}\text{Zr}_{0.1}\text{O}_3$ by core–hole spectroscopies. Journal of Applied Physics, 2020, 128, .	2.5	8
9	Novel process for the production of 3Y-TZP ceramics: comparison between ageing in artificial saliva and accelerated ageing. Materials Research Express, 2020, 7, 065402.	1.6	0
10	Enhanced optical properties of Cd–Mg-co-doped ZnO nanoparticles induced by low crystal structure distortion. Journal of Physics and Chemistry of Solids, 2020, 146, 109611.	4.0	11
11	Jahn-Teller distortion effects on the transport properties of $\text{La}_{0.7}\text{Ca}_{0.3}\text{Mn}_{1-x}\text{Fe}_x\text{O}_3$ perovskite NPs. Materials Research Express, 2019, 6, 095060.	1.6	0
12	Effects of local distortion on the electrical properties of lead free perovskite-type electro-ceramics $\text{Ba}_{1-x}\text{Ca}_x\text{Ti}_{0.9}\text{Zr}_{0.1}\text{O}_3$. Journal of Physics: Conference Series, 2019, 1221, 012005.	0.4	2
13	Structural, Micro-structural and Electronic Structure Evolution in Polycrystalline Perovskite Electro-ceramics Based on $\text{Ba}_{1-x}\text{Ca}_x\text{Ti}_{0.9}\text{Zr}_{0.1}\text{O}_3$. Microscopy and Microanalysis, 2018, 24, 392-393.	0.4	2
14	Enhanced Ionic Transport and Compressive Residual Stress in Er-Doped Bi_2O_3 with Lower Er^{3+} Concentrations. Journal of Electronic Materials, 2018, 47, 5422-5432.	2.2	4
15	Multiferroic effect of multilayer low-distorted doped bismuth ferrite thin films as a function of sputtering power and crystallographic texture. Current Applied Physics, 2017, 17, 864-872.	2.4	3
16	Effect of low-content of carbon nanotubes on the fracture toughness and hardness of carbon nanotube reinforced alumina prepared by sinter, HIP and sinter+HIP routes. Materials Research Express, 2017, 4, 085004.	1.6	15
17	Microstructure Patterns by Switching Spectroscopy Piezo-response Force Microscopy of Lead Free Perovskite-type Polycrystalline Thin Films. Microscopy and Microanalysis, 2017, 23, 1648-1649.	0.4	4
18	Structural analysis, optical and dielectric function of $[\text{Ba}_{0.9}\text{Ca}_{0.1}](\text{Ti}_{0.9}\text{Zr}_{0.1})\text{O}_3$ nanocrystals. Journal of Applied Physics, 2016, 120, .	2.5	15

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19	Nucleation and growth kinetics of La _{0.7} Sr _{0.3} Cr _{0.4} Mn _{0.6} O _{3-δ} SOFC perovskite: Symmetry alteration evolution induced by Cu ²⁺ and Ni ²⁺ impregnation. <i>Progress in Natural Science: Materials International</i> , 2016, 26, 665-670.	4.4	1
20	Formation of a protective alumina layer after sintering for the deceleration of low temperature degradation in alumina-toughened zirconia ceramics. <i>Ceramics International</i> , 2016, 42, 16417-16423.	4.8	8
21	The influence of charge transfers effects in monazite-type LaVO ₄ and perovskite-type LaVO ₃ prepared by sol-gel acrylamide polymerization. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2016, 211, 82-86.	1.7	4
22	Local polarization switching in Ba ²⁺ /Ni co-doped BiFeO ₃ thin films with low rhombohedral-symmetry distortion. <i>Journal of Materials Science</i> , 2016, 51, 2283-2291.	3.7	10
23	Spark plasma sintering of multi-, single/double- and single-walled carbon nanotube-reinforced alumina composites: Is it justifiable the effort to reinforce them?. <i>Ceramics International</i> , 2016, 42, 2054-2062.	4.8	52
24	Sintering in a graphite powder bed of alumina-toughened zirconia/carbon nanotube composites: a novel way to delay hydrothermal degradation. <i>Ceramics International</i> , 2015, 41, 4569-4580.	4.8	10
25	Synthesis of iron sulfide films through solid ² gas reaction of iron with diethyl disulfide. <i>Journal of Sulfur Chemistry</i> , 2015, 36, 385-394.	2.0	6
26	Elucidating the real effect of Ba and Co doping on the magnetic and optical properties of BiFeO ₃ . <i>Ceramics International</i> , 2015, 41, 9140-9145.	4.8	8
27	Modifications in the rhombohedral degree of distortion and magnetic properties of Ba-doped BiFeO ₃ as a function of synthesis methodology. <i>Materials Chemistry and Physics</i> , 2014, 146, 73-81.	4.0	43
28	Effects of Ni doping on ferroelectric and ferromagnetic properties of Bi _{0.75} Ba _{0.25} FeO ₃ . <i>Ceramics International</i> , 2013, 39, 8527-8530.	4.8	15
29	Synthesis, crystal stability, and electrical behaviors of La _{0.7} Sr _{0.3} Cr _{0.4} Mn _{0.6} O _{3-δ} xCu _{0.75} Ni _{0.25} for its possible application as SOFC anode. <i>Journal of Materials Science</i> , 2012, 47, 8118-8127.	3.7	6
30	X-ray diffraction and atomic force microscopy study in aged zirconia-toughened alumina composite with dispersion of m-ZrO ₂ nanoparticles. <i>International Journal of Refractory Metals and Hard Materials</i> , 2012, 35, 270-278.	3.8	7
31	X-ray diffraction evidence of a phase transformation in zirconia by the presence of graphite and carbon nanotubes in zirconia toughened alumina composites. <i>International Journal of Refractory Metals and Hard Materials</i> , 2012, 35, 315-318.	3.8	16
32	Hard and tough carbon nanotube-reinforced zirconia-toughened alumina composites prepared by spark plasma sintering. <i>Carbon</i> , 2012, 50, 706-717.	10.3	63
33	Symmetry breaking and electrical conductivity of La _{0.7} Sr _{0.3} Cr _{0.4} Mn _{0.6} O _{3-δ} perovskite as SOFC anode material. <i>Materials Chemistry and Physics</i> , 2011, 126, 773-779.	4.0	12
34	A comparison of the effects of multi-wall and single-wall carbon nanotube additions on the properties of zirconia toughened alumina composites. <i>Carbon</i> , 2011, 49, 1599-1607.	10.3	77
35	Sinter and hot isostatic pressing (HIP) of multi-wall carbon nanotubes (MWCNTs) reinforced ZTA nanocomposite: Microstructure and fracture toughness. <i>International Journal of Refractory Metals and Hard Materials</i> , 2010, 28, 399-406.	3.8	51
36	Growth technology, X-ray and optical properties of CdSe thin films. <i>Materials Chemistry and Physics</i> , 2009, 113, 824-828.	4.0	50

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37	Compressive strain-dependent bending strength property of Al ₂ O ₃ -ZrO ₂ (1.5mol% Y ₂ O ₃) composites performance by HIP. <i>Materials Chemistry and Physics</i> , 2009, 114, 756-762.	4.0	12
38	Elucidating of the microstructure of ZrO ₂ ceramics with additions of 1200Å°C heat treated ultrafine MgO powders: Aging at 1420Å°C. <i>Materials Chemistry and Physics</i> , 2007, 106, 45-53.	4.0	12
39	Evaluation of the corrosion resistance of Ni-Co-B coatings in simulated PEMFC environment. <i>Electrochimica Acta</i> , 2006, 51, 4045-4051.	5.2	52
40	Study of the Ni-NiAl ₂ O ₄ -YSZ cermet for its possible application as an anode in solid oxide fuel cells. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 4685-4696.	1.8	5
41	Synthesis and characterization of spherical calcia stabilized zirconia nano-powders obtained by spray pyrolysis. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 343, 82-88.	5.6	15