A Reyes-Rojas

List of Publications by Year
in descending order

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Version: 2024-02-01

41 papers	628 citations	759233 12 h-index	610901 24 g-index
41 all docs	41 docs citations	41 times ranked	748 citing authors

#	Article	IF	Citations
1	A comparison of the effects of multi-wall and single-wall carbon nanotube additions on the properties of zirconia toughened alumina composites. Carbon, 2011, 49, 1599-1607.	10.3	77
2	Hard and tough carbon nanotube-reinforced zirconia-toughened alumina composites prepared by spark plasma sintering. Carbon, 2012, 50, 706-717.	10.3	63
3	Evaluation of the corrosion resistance of Niâ€“Coâ€“B coatings in simulated PEMFC environment. Electrochimica Acta, 2006, 51, 4045-4051.	5.2	52
4	Spark plasma sintering of multi-, single/double- and single-walled carbon nanotube-reinforced alumina composites: Is it justifiable the effort to reinforce them?. Ceramics International, 2016, 42, 2054-2062.	4.8	52
5	Sinter and hot isostatic pressing (HIP) of multi-wall carbon nanotubes (MWCNTs) reinforced ZTA nanocomposite: Microstructure and fracture toughness. International Journal of Refractory Metals and Hard Materials, 2010, 28, 399-406.	3.8	51
6	Growth technology, X-ray and optical properties of CdSe thin films. Materials Chemistry and Physics, 2009, 113, 824-828.	4.0	50
7	Modifications in the rhombohedral degree of distortion and magnetic properties of Ba-doped BiFeO3 as a function of synthesis methodology. Materials Chemistry and Physics, 2014, 146, 73-81.	4.0	43
8	X-ray diffraction evidence of a phase transformation in zirconia by the presence of graphite and carbon nanotubes in zirconia toughened alumina composites. International Journal of Refractory Metals and Hard Materials, 2012, 35, 315-318.	3.8	16
9	Synthesis and characterization of spherical calcia stabilized zirconia nano-powders obtained by spray pyrolysis. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 343, 82-88.	5.6	15
10	Effects of Ni doping on ferroelectric and ferromagnetic properties of Bi0.75Ba0.25FeO3. Ceramics International, 2013, 39, 8527-8530.	4.8	15
11	Structural analysis, optical and dielectric function of [Ba0.9Ca0.1](Ti0.9Zr0.1)O3 nanocrystals. Journal of Applied Physics, 2016, 120, .	2.5	15
12	Effect of low-content of carbon nanotubes on the fracture toughness and hardness of carbon nanotube reinforced alumina prepared by sinter, HIP and sinterâ€‰â€‰+â€‰â€‰HIP routes. Materials Research Express, 2017, 4, 085004.	1.6	15
13	Elucidating of the microstructure of ZrO2 ceramics with additions of 1200Â°C heat treated ultrafine MgO powders: Aging at 1420Â°C. Materials Chemistry and Physics, 2007, 106, 45-53.	4.0	12
14	Compressive strain-dependent bending strength property of Al2O3â€“ZrO2 (1.5mol% Y2O3) composites performance by HIP. Materials Chemistry and Physics, 2009, 114, 756-762.	4.0	12
15	Symmetry breaking and electrical conductivity of La0.7Sr0.3Cr0.4Mn0.6O3â¯Î´ perovskite as SOFC anode material. Materials Chemistry and Physics, 2011, 126, 773-779.	4.0	12
16	Enhanced optical properties of Cdâ€“Mg-co-doped ZnO nanoparticles induced by low crystal structure distortion. Journal of Physics and Chemistry of Solids, 2020, 146, 109611.	4.0	11
17	Sintering in a graphite powder bed of alumina-toughened zirconia/carbon nanotube composites: a novel way to delay hydrothermal degradation. Ceramics International, 2015, 41, 4569-4580.	4.8	10
18	Local polarization switching in Baâ€“Ni co-doped BiFeO3 thin films with low rhombohedral-symmetry distortion. Journal of Materials Science, 2016, 51, 2283-2291.	3.7	10

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19	Complex dielectric function and opto-electronic characterization using VEELS for the lead-free BCZT electro-ceramic perovskite. Micron, 2021, 149, 103124.	2.2	10
20	Elucidating the real effect of Ba and Co doping on the magnetic and optical properties of BiFeO3. Ceramics International, 2015, 41, 9140-9145.	4.8	8
21	Formation of a protective alumina layer after sintering for the deceleration of low temperature degradation in alumina-toughened zirconia ceramics. Ceramics International, 2016, 42, 16417-16423.	4.8	8
22	Multiplet structure for perovskite-type Ba0.9Ca0.1Ti0.9Zr0.1O3 by coreâ€“hole spectroscopies. Journal of Applied Physics, 2020, 128, .	2.5	8
23	X-ray diffraction and atomic force microscopy study in aged zirconia-toughened alumina composite with dispersion of m-ZrO2 nanoparticles. International Journal of Refractory Metals and Hard Materials, 2012, 35, 270-278.	3.8	7
24	Synthesis, crystal stability, and electrical behaviors of La0.7Sr0.3Cr0.4Mn0.6O3â^'Î´â€“XCu0.75Ni0.25 for its possible application as SOFC anode. Journal of Materials Science, 2012, 47, 8118-8127.	3.7	6
25	Synthesis of iron sulfide films through solidâ€“gas reaction of iron with diethyl disulfide. Journal of Sulfur Chemistry, 2015, 36, 385-394.	2.0	6
26	Study of the Niâ€“NiAl2O4â€“YSZ cermet for its possible application as an anode in solid oxide fuel cells. Journal of Physics Condensed Matter, 2006, 18, 4685-4696.	1.8	5
27	Towards improving low-temperature degradation of zirconia/alumina ceramics via in-situ formation of an Al2O3 functional surface layer through sintering in the presence of graphite powder. Journal of Alloys and Compounds, 2020, 818, 152840.	5.5	5
28	The influence of charge transfers effects in monazite-type LaVO4 and perovskite-type LaVO3 prepared by sol-gel acrylamide polymerization. Journal of Electron Spectroscopy and Related Phenomena, 2016, 211, 82-86.	1.7	4
29	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
30	Enhanced Ionic Transport and Compressive Residual Stress in Er-Doped Bi2O3 with Lower Er3+ Concentrations. Journal of Electronic Materials, 2018, 47, 5422-5432.	2.2	4
31	Electronic configuration and magnetic properties of La0.7Ca0.3Mn1-xFexO3 perovskite NPs: The effect of a lower Fe3+ concentration. Journal of Alloys and Compounds, 2020, 816, 152668.	5.5	4
32	Red-emission analysis, Juddâ€“Ofelt intensity parameters and laser properties of CdMgZnO:xEu³⁺ nanocrystals: the effects of Eu³⁺ concentration. Journal Physics D: Applied Physics, 2021, 54, 345108.	2.8	4
33	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
34	Multiferroic response in bismuth ferrite doped heterostructures: A buffer layer inference. Applied Surface Science, 2020, 533, 147491.	6.1	3
35	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
36	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

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37	Enhancing Pr1-xBaxMnO3-Î´ perovskite charge-transport by electronic structure modulation. Journal of Materials Science, 2021, 56, 16510-16523.	3.7	2
38	Nucleation and growth kinetics of La0.7Sr0.3Cr0.4Mn0.6O3-Î´ SOFC perovskite: Symmetry alteration evolution induced by Cu2+ and Ni2+ impregnation. Progress in Natural Science: Materials International, 2016, 26, 665-670.	4.4	1
39	Near band edge and defect emissions in wurtzite Cd0.025Mg0.10Zn0.875O nanocrystals. Optical Materials, 2021, 118, 111227.	3.6	1
40	Jahn-Teller distortion effects on the transport properties of La0.7Ca0.3Mn1â^'xFexO3 perovskite NPs. Materials Research Express, 2019, 6, 095060.	1.6	0
41	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