Ronaldo S Silva

List of Publications by Year
in descending order

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88	1,356	304743 22	477307 29
papers	citations	h-index	g-index

89	89	89	1106
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis of non-agglomerated Ba0.77Ca0.23TiO3 nanopowders by a modified polymeric precursor method. Journal of Sol-Gel Science and Technology, 2007, 42, 173-179.	2.4	43
2	Enhanced stability and electrocatalytic properties of Ti/Ru Ir1â˜'O2 anodes produced by a new laser process. Chemical Engineering Journal, 2019, 355, 439-447.	12.7	43
3	Laserâ€Sintered Bismuth Germanate Ceramics as Scintillator Devices. Journal of the American Ceramic Society, 2004, 87, 1076-1081.	3.8	41
4	Development of Ti/(RuO2)0.8(MO2)0.2 (M=Ce, Sn or Ir) anodes for atrazine electro-oxidation. Influence of the synthesis method. Materials Letters, 2015, 146, 4-8.	2.6	37
5	Translucent and persistent luminescent SrAl2O4:Eu2+Dy3+ ceramics. Ceramics International, 2016, 42, 4306-4312.	4.8	35
6	Polymeric synthesis and conventional versus laser sintering of CaCu3Ti4O12 electroceramics: (micro)structures, phase development and dielectric properties. Journal of Alloys and Compounds, 2016, 654, 482-490.	5.5	35
7	Reactive flash sintering of the complex oxide Li0.5La0.5TiO3 starting from an amorphous precursor powder. Scripta Materialia, 2020, 176, 78-82.	5.2	35
8	Color-control of the persistent luminescence of cadmium silicate doped with transition metals. Journal of Solid State Chemistry, 2013, 200, 54-59.	2.9	34
9	Optical properties of IVâ€“VI quantum dots embedded in glass: Size-effects. Journal of Non-Crystalline Solids, 2006, 352, 3525-3529.	3.1	33
10	Effect of the Ce3+ concentration on laser-sintered YAG ceramics for white LEDs applications. Journal of the European Ceramic Society, 2020, 40, 3673-3678.	5.7	33
11	Laser sintering and radioluminescence emission of pure and doped Y 2 O 3 ceramics. Ceramics International, 2014, 40, 16209-16212.	4.8	30
12	Influence of the synthesis method on the preparation of barium titanate nanoparticles. Chemical Engineering and Processing: Process Intensification, 2016, 103, 12-20.	3.6	30
13	The influence of the synthesis method of Ti/RuO2 electrodes on their stability and catalytic activity for electrochemical oxidation of the pesticide carbaryl. Materials Chemistry and Physics, 2014, 148, 39-47.	4.0	29
14	Radiation detectors based on laser sintered Bi4Ge3O12 ceramics. Nuclear Instruments & Methods in Physics Research B, 2004, 218, 153-157.	1.4	28
15	Unexpected Enhancement of Electrocatalytic Nature of Ti/(RuO₂)_xâ€“(Sb₂O₅)_y Anodes Prepared by the Ionic Liquid-Thermal Decomposition Method. Industrial & Engineering Chemistry Research, 2016, 55, 3182-3187.	3.7	28
16	Laser sintering of persistent luminescent CaAl2O4:Eu2+Dy3+ ceramics. Optical Materials, 2017, 68, 2-6.	3.6	27
17	Synthesis and Study of Fe-Doped Bi2S3 Semimagnetic Nanocrystals Embedded in a Glass Matrix. Molecules, 2017, 22, 1142.	3.8	27
18	Electric field-assisted flash sintering of CaCu3Ti4O12: Microstructure characteristics and dielectric properties. Journal of Alloys and Compounds, 2016, 682, 753-758.	5.5	26

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19	Multifuncional translucent ferroelectric Ba1â^'xCaxTiO3 ceramics produced by laser sintering. Journal of the European Ceramic Society, 2016, 36, 4023-4030.	5.7	25
20	Time and calcination temperature influence on the electrocatalytic efficiency of Ti/SnO2:Sb(5%),Gd(2%) electrodes towards the electrochemical oxidation of naphthalene. Journal of Electroanalytical Chemistry, 2018, 816, 232-241.	3.8	24
21	Growth kinetic on the optical properties of the Pb1â^'xMnxSe nanocrystals embedded in a glass matrix: thermal annealing and Mn2+ concentration. Physical Chemistry Chemical Physics, 2012, 14, 11040.	2.8	23
22	Influence of the annealing temperature and metal salt precursor on the structural characteristics and anti-corrosion barrier effect of CeO2 solâ€“gel protective coatings of carbon steel. Ceramics International, 2014, 40, 13437-13446.	4.8	22
23	Conductive atomic force microscopy characterization of PTCR-BaTiO 3 laser-sintered ceramics. Journal of the European Ceramic Society, 2016, 36, 1385-1389.	5.7	22
24	Concentration effect on the optical and magnetic properties of Co2+-doped Bi2S3 semimagnetic nanocrystals growth in glass matrix. Journal of Alloys and Compounds, 2018, 740, 974-979.	5.5	22
25	Ultrafast synthesis and sintering of materials in a single running experiment approach by using electric fields. Journal of Advanced Ceramics, 2019, 8, 265-277.	17.4	22
26	Optical properties of PbSe quantum dots embedded in oxide glass. Journal of Non-Crystalline Solids, 2006, 352, 3522-3524.	3.1	19
27	Structural and Optical Properties of Co²⁺-Doped PbSe Nanocrystals in Chalcogeneide Glass Matrix. Journal of Physical Chemistry C, 2015, 119, 13277-13282.	3.1	18
28	Encapsulation of neem (Azadirachta indica) seed oil in poly(3-hydroxybutyrate-co-3-hydroxyvalerate) by SFEE technique. Journal of Supercritical Fluids, 2019, 152, 104556.	3.2	18
29	Tunable dual emission in visible and near-infrared spectra using Co²⁺-doped PbSe nanocrystals embedded in a chalcogenide glass matrix. Physical Chemistry Chemical Physics, 2016, 18, 23036-23043.	2.8	17
30	Electric field-assisted ultrafast synthesis of nanopowders: a novel and cost-efficient approach. RSC Advances, 2016, 6, 107208-107213.	3.6	17
31	Ternary dimensionally stable anodes composed of RuO2 and IrO2 with CeO2, SnO2, or Sb2O3 for efficient naphthalene and benzene electrochemical removal. Journal of Applied Electrochemistry, 2017, 47, 547-561.	2.9	17
32	Persistent luminescence properties of SrB X Al 2â^'X O 4 :Eu,Dy laser-sintered ceramics. Optical Materials, 2017, 70, 63-68.	3.6	17
33	Effect of pH on the production of dispersed Bi4Ge3O12 nanoparticles by combustion synthesis. Journal of the European Ceramic Society, 2009, 29, 125-130.	5.7	16
34	Synthesis of Bi4Ge3O12 ceramic scintillators by the polymeric precursor method. Journal of Thermal Analysis and Calorimetry, 2010, 100, 537-541.	3.6	16
35	Radioluminescence emission of YAG:RE laser-sintered ceramics. Materials Letters, 2015, 160, 456-458.	2.6	16
36	Effect of conventional and laser sintering on the (micro)structural and dielectric properties of Bi2/3Cu3Ti4O12 synthesized through a polymeric precursor route. Journal of Alloys and Compounds, 2018, 735, 2384-2394.	5.5	16

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37	Influence of the RuO2 layer thickness on the physical and electrochemical properties of anodes synthesized by the ionic liquid method. Electrochimica Acta, 2020, 354, 136625.	5.2	16
38	Electrical characterization of BaTiO3 and Ba0.77Ca0.23TiO3 ceramics synthesized by the proteic solâ€“gel method. Ceramics International, 2018, 44, 15526-15530.	4.8	15
39	Thermoluminescence kinetic parameters of Bi4Ge3O12 single crystals. Nuclear Instruments & Methods in Physics Research B, 2006, 250, 390-395.	1.4	14
40	Luminescence in semimagnetic Pb1âˆ’Mn Se quantum dots grown in a glass host: Radiative and nonradiative emission processes. Chemical Physics Letters, 2013, 567, 23-26.	2.6	14
41	Electric field-assisted flash sintering of Bi2/3Cu3Ti4O12 starting from a multi-phase precursor powder. Journal of the European Ceramic Society, 2020, 40, 4004-4009.	5.7	14
42	The archaeometry study of the chemical and mineral composition of pottery from Brazilâ€™s Northeast. Journal of Radioanalytical and Nuclear Chemistry, 2009, 281, 189-192.	1.5	13
43	X-ray excited optical luminescence changes induced by excess/deficiency lithium ions in rare earth doped LiAl5O8. Journal of Luminescence, 2018, 199, 298-301.	3.1	13
44	Synthesis of PbOÂ·SiO2 glass by CO2 laser melting method. Journal of Non-Crystalline Solids, 2019, 522, 119572.	3.1	13
45	Structural, microstructural, and luminescent properties of laser-sintered Eu-doped YAG ceramics. Optical Materials, 2019, 89, 334-339.	3.6	13
46	Laser sintering and photoluminescence study of Tb-doped yttrium aluminum garnet ceramics. Ceramics International, 2019, 45, 3797-3802.	4.8	13
47	Effects of X-ray irradiation on the luminescent properties of Eu-doped LiSrPO4 phosphors produced using the sol-gel method with glucose. Journal of Physics and Chemistry of Solids, 2018, 113, 26-30.	4.0	13
48	Non-stoichiometric Ce-doped LiAl5O8 phosphors: Synthesis, structural and optical properties. Ceramics International, 2019, 45, 18994-19001.	4.8	12
49	Investigations of structural and optical properties of Bi2âˆ’xCrxS3 nanocrystals embedded in host glass. Materials Letters, 2020, 265, 127430.	2.6	12
50	Synthesis of diluted magnetic semiconductor Bi2âˆ’xMnxTe3 nanocrystals in a host glass matrix. Journal of Alloys and Compounds, 2015, 648, 778-782.	5.5	11
51	Effect of the amounts of Li+ additive on the luminescence properties of LiBaPO4:Eu phosphor. Optical Materials, 2019, 89, 329-333.	3.6	11
52	Study of the ionic conductivity of Li0.5La0.5TiO3 laser-sintered ceramics. Journal of the European Ceramic Society, 2020, 40, 5619-5625.	5.7	11
53	Thermally stimulated luminescence of polycrystalline CdWO4 at low temperatures. Journal of Luminescence, 2011, 131, 1283-1287.	3.1	10
54	Influence of synthesis conditions on the properties of electrochemically synthesized BaTiO3 nanoparticles. Ceramics International, 2014, 40, 3603-3609.	4.8	10

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55	Improved 4-nitrophenol removal at Ti/RuO2â€“Sb2O4â€“TiO2 laser-made anodes. Environmental Science and Pollution Research, 2021, 28, 23634-23646.	5.3	10
56	Al2O3-based pigments synthesized by a new proteic solâ€“gel method. Journal of Thermal Analysis and Calorimetry, 2011, 103, 587-590.	3.6	9
57	The migration of Mn2+ ions in Cd1â^'Mn S nanocrystals: Thermal annealing control. Solid State Communications, 2012, 152, 337-340.	1.9	9
58	Weak ferromagnetism in Mn2+ doped Bi2Te3 nanocrystals grown in glass matrix. Journal of Alloys and Compounds, 2017, 708, 619-622.	5.5	9
59	Laser sintering and influence of the Dy concentration on BaAl2O4:Eu2+, Dy3+ persistent luminescence ceramics. Journal of the European Ceramic Society, 2021, 41, 3629-3634.	5.7	9
60	Ultra-fast synthesis of Ti/Ru0.3Ti0.7O2 anodes with superior electrochemical properties using an ionic liquid and laser calcination. Chemical Engineering Journal, 2021, 416, 129011.	12.7	9
61	Energy transfer in PbS quantum dots assemblies measured by means of spatially resolved photoluminescence. Applied Surface Science, 2004, 238, 209-212.	6.1	8
62	Ba(Ti1 - xZrx)O3(x = 0,05 and 0,08) Ceramics Obtained from Nanometric Powders: Ferroelectric and Dielectric Properties. Ferroelectrics, 2006, 334, 75-82.	0.6	8
63	Electrophoretic deposition of Ba0.77Ca0.23TiO3 nanopowders. Journal of Materials Processing Technology, 2008, 203, 526-531.	6.3	8
64	Consequences of Ca multisite occupation for the conducting properties of BaTiO3. Journal of Solid State Chemistry, 2016, 243, 77-82.	2.9	8
65	Fabrication and characterization of a composite dosimeter based on natural alexandrite. Optical Materials, 2018, 85, 281-286.	3.6	8
66	Optical, structural and magnetic characterization of Bi2â^'xCrxTe3 nanocrystals in oxide glass. Materials Chemistry and Physics, 2020, 241, 122323.	4.0	8
67	Synthesis and thermoluminescence properties of MgAl2O4:Ca laser-sintered ceramics. Optical Materials, 2020, 108, 110181.	3.6	8
68	La_{0.59}Li_{0.24}TiO₃ ceramics obtained by spark plasma sintering: electric behavior analysis. Materials Research Express, 2019, 6, 015504.	1.6	7
69	Investigation of structural and optical properties of Pb1-xCoxS nanocrystals embedded in chalcogenide glass. Materials Chemistry and Physics, 2021, 269, 124766.	4.0	7
70	Crucibleless crystal growth and Radioluminescence study of calcium tungstate single crystal fiber. Optical Materials, 2014, 37, 51-54.	3.6	6
71	Design and characterization study of LaFeO3 and CaTiO3 composites at microwave frequencies and their applications as dielectric resonator antennas. Ceramics International, 2021, 47, 33232-33241.	4.8	6
72	Effect of pH-induced nanopowder deagglomeration on sintering, microstructure and dielectric properties of Ba0.77Ca0.23TiO3 ceramics. Materials Research, 2012, 15, 522-529.	1.3	6

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73	Radioluminescence study of calcium tungstate crystalline powders and ceramics. International Journal of Applied Ceramic Technology, 2017, 14, 820-824.	2.1	5
74	Laser sintering and optical characterization of SrAl2-xBxO4:Eu,Dy ceramics. Optik, 2020, 221, 165338.	2.9	5
75	Effects of Li addition on the luminescent properties of LiSrPO4:Eu3+ excited with X-ray and ultraviolet radiation. Journal of Alloys and Compounds, 2020, 836, 155388.	5.5	5
76	High thermal stability of the YNbO4 â^' CaYTiNbO7 composites for radio frequency and microwave applications. Materials Chemistry and Physics, 2021, 271, 124956.	4.0	5
77	Influence of the addition of CaTiO3 on the microwave dielectric properties of the BaMoO4 matrix. Materials Chemistry and Physics, 2022, 289, 126478.	4.0	4
78	Fabrication and Electrical Characterization of Translucent Bi12TiO20Ceramics. Advances in Condensed Matter Physics, 2013, 2013, 1-7.	1.1	3
79	Sustainable preparation of ixora flower-like shaped luminescent powder by recycling crab shell biowaste. Optik, 2021, 235, 166636.	2.9	3
80	Toward a new PTCR material based on the Na2Ti6O13/Na2Ti3O7 system. Materials Research Bulletin, 2021, 140, 111311.	5.2	3
81	Photoelectrocatalytic Degradation of Indanthrene Blue Dye using Ti/Ru-Based Electrodes Prepared by a Modified Pechini Method. Journal of the Brazilian Chemical Society, 2013, , .	0.6	2
82	Synthesis of phosphorescent ceramic pigment BaAl1.7B0.3O4 doped with Eu2+ and Dy3+. Ceramics International, 2015, 41, 5005-5009.	4.8	2
83	Structural and photoluminescence properties of Eu3+-doped (Y2.99-xGdx)Al5O12 phosphors under vacuum ultraviolet and ultraviolet excitation. Materials Chemistry and Physics, 2019, 228, 9-14.	4.0	2
84	Investigation of temperature-induced phase transitions in (Ba,Ca)(Zr,Ti)O3 ceramics. Journal of Thermal Analysis and Calorimetry, 2021, 146, 2411-2415.	3.6	2
85	SÃntese de pÃ³s nanomÃ©tricos e sinterizaÃ§Ã£o de cerÃ¢micas de Ba1-xCa xTiO3 a baixas temperaturas. Ceramica, 2006, 52, 168-173.	0.8	2
86	Chromium in lead metasilicate glass: Solubility, valence, and local environment via multiple spectroscopy. Ceramics International, 2022, 48, 173-178.	4.8	1
87	Electrophoretic deposition of BaTi0.85Zr0.15O3 nanopowders. Materials Research, 2013, 16, 1344-1349.	1.3	0
88	Doped Semiconductor Nanocrystals: Development and Applications. , 0, , .		0