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	Chromium in lead metasilicate glass: Solubility, valence, and local environment via multiple spectroscopy. Ceramics International, 2022, 48, 173-178.	4.8	1
2	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
3	Improved 4-nitrophenol removal at Ti/RuO2â€“Sb2O4â€“TiO2 laser-made anodes. Environmental Science and Pollution Research, 2021, 28, 23634-23646.	5.3	10
4	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
5	Sustainable preparation of ixora flower-like shaped luminescent powder by recycling crab shell biowaste. Optik, 2021, 235, 166636.	2.9	3
6	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
7	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
8	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
9	Toward a new PTCR material based on the Na2Ti6O13/Na2Ti3O7 system. Materials Research Bulletin, 2021, 140, 111311.	5.2	3
10	Investigation of structural and optical properties of Pb1-xCoxS nanocrystals embedded in chalcogenide glass. Materials Chemistry and Physics, 2021, 269, 124766.	4.0	7
11	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
12	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
13	Optical, structural and magnetic characterization of Bi2â^'xCrxTe3 nanocrystals in oxide glass. Materials Chemistry and Physics, 2020, 241, 122323.	4.0	8
14	Laser sintering and optical characterization of SrAl2-xBxO4:Eu,Dy ceramics. Optik, 2020, 221, 165338.	2.9	5
15	Synthesis and thermoluminescence properties of MgAl2O4:Ca laser-sintered ceramics. Optical Materials, 2020, 108, 110181.	3.6	8
16	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
17	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
18	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

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19	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
20	Investigations of structural and optical properties of Bi2â˜'xCrxS3 nanocrystals embedded in host glass. Materials Letters, 2020, 265, 127430.	2.6	12
21	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
22	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
23	Synthesis of PbOÂ·SiO2 glass by CO2 laser melting method. Journal of Non-Crystalline Solids, 2019, 522, 119572.	3.1	13
24	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
25	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
26	Non-stoichiometric Ce-doped LiAl5O8 phosphors: Synthesis, structural and optical properties. Ceramics International, 2019, 45, 18994-19001.	4.8	12
27	Effect of the amounts of Li+ additive on the luminescence properties of LiBaPO4:Eu phosphor. Optical Materials, 2019, 89, 329-333.	3.6	11
28	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
29	Structural, microstructural, and luminescent properties of laser-sintered Eu-doped YAG ceramics. Optical Materials, 2019, 89, 334-339.	3.6	13
30	Laser sintering and photoluminescence study of Tb-doped yttrium aluminum garnet ceramics. Ceramics International, 2019, 45, 3797-3802.	4.8	13
31	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
32	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
33	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
34	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
35	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
36	Fabrication and characterization of a composite dosimeter based on natural alexandrite. Optical Materials, 2018, 85, 281-286.	3.6	8

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37	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
38	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
39	Weak ferromagnetism in Mn2+ doped Bi2Te3 nanocrystals grown in glass matrix. Journal of Alloys and Compounds, 2017, 708, 619-622.	5.5	9
40	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
41	Radioluminescence study of calcium tungstate crystalline powders and ceramics. International Journal of Applied Ceramic Technology, 2017, 14, 820-824.	2.1	5
42	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
43	Laser sintering of persistent luminescent CaAl2O4:Eu2+Dy3+ ceramics. Optical Materials, 2017, 68, 2-6.	3.6	27
44	Synthesis and Study of Fe-Doped Bi2S3 Semimagnetic Nanocrystals Embedded in a Glass Matrix. Molecules, 2017, 22, 1142.	3.8	27
45	Electric field-assisted flash sintering of CaCu3Ti4O12: Microstructure characteristics and dielectric properties. Journal of Alloys and Compounds, 2016, 682, 753-758.	5.5	26
46	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
47	Consequences of Ca multisite occupation for the conducting properties of BaTiO3. Journal of Solid State Chemistry, 2016, 243, 77-82.	2.9	8
48	Multifuncional translucent ferroelectric Ba1â^'xCaxTiO3 ceramics produced by laser sintering. Journal of the European Ceramic Society, 2016, 36, 4023-4030.	5.7	25
49	Electric field-assisted ultrafast synthesis of nanopowders: a novel and cost-efficient approach. RSC Advances, 2016, 6, 107208-107213.	3.6	17
50	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
51	Translucent and persistent luminescent SrAl2O4:Eu2+Dy3+ ceramics. Ceramics International, 2016, 42, 4306-4312.	4.8	35
52	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
53	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
54	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

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55	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
56	Synthesis of phosphorescent ceramic pigment BaAl1.7B0.3O4 doped with Eu2+ and Dy3+. Ceramics International, 2015, 41, 5005-5009.	4.8	2
57	Synthesis of diluted magnetic semiconductor Bi2â^'xMnxTe3 nanocrystals in a host glass matrix. Journal of Alloys and Compounds, 2015, 648, 778-782.	5.5	11
58	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
59	Radioluminescence emission of YAG:RE laser-sintered ceramics. Materials Letters, 2015, 160, 456-458.	2.6	16
60	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
61	Laser sintering and radioluminescence emission of pure and doped Y 2 O 3 ceramics. Ceramics International, 2014, 40, 16209-16212.	4.8	30
62	Influence of synthesis conditions on the properties of electrochemically synthesized BaTiO3 nanoparticles. Ceramics International, 2014, 40, 3603-3609.	4.8	10
63	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
64	Crucibleless crystal growth and Radioluminescence study of calcium tungstate single crystal fiber. Optical Materials, 2014, 37, 51-54.	3.6	6
65	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
66	Luminescence in semimagnetic Pb1â^'Mn Se quantum dots grown in a glass host: Radiative and nonradiative emission processes. Chemical Physics Letters, 2013, 567, 23-26.	2.6	14
67	Electrophoretic deposition of BaTi0.85Zr0.15O3 nanopowders. Materials Research, 2013, 16, 1344-1349.	1.3	0
68	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
69	Fabrication and Electrical Characterization of Translucent Bi12TiO20Ceramics. Advances in Condensed Matter Physics, 2013, 2013, 1-7.	1.1	3
70	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
71	The migration of Mn2+ ions in Cd1â^'Mn S nanocrystals: Thermal annealing control. Solid State Communications, 2012, 152, 337-340.	1.9	9
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	Al2O3-based pigments synthesized by a new proteic solâ€“gel method. Journal of Thermal Analysis and Calorimetry, 2011, 103, 587-590.	3.6	9
74	Thermally stimulated luminescence of polycrystalline CdWO4 at low temperatures. Journal of Luminescence, 2011, 131, 1283-1287.	3.1	10
75	Synthesis of Bi4Ge3O12 ceramic scintillators by the polymeric precursor method. Journal of Thermal Analysis and Calorimetry, 2010, 100, 537-541.	3.6	16
76	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
77	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
78	Electrophoretic deposition of Ba0.77Ca0.23TiO3 nanopowders. Journal of Materials Processing Technology, 2008, 203, 526-531.	6.3	8
79	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
80	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
81	Optical properties of IVâ€“VI quantum dots embedded in glass: Size-effects. Journal of Non-Crystalline Solids, 2006, 352, 3525-3529.	3.1	33
82	Optical properties of PbSe quantum dots embedded in oxide glass. Journal of Non-Crystalline Solids, 2006, 352, 3522-3524.	3.1	19
83	Thermoluminescence kinetic parameters of Bi4Ge3O12 single crystals. Nuclear Instruments & Methods in Physics Research B, 2006, 250, 390-395.	1.4	14
84	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
85	Laserâ€Sintered Bismuth Germanate Ceramics as Scintillator Devices. Journal of the American Ceramic Society, 2004, 87, 1076-1081.	3.8	41
86	Radiation detectors based on laser sintered Bi4Ge3O12 ceramics. Nuclear Instruments & Methods in Physics Research B, 2004, 218, 153-157.	1.4	28
87	Energy transfer in PbS quantum dots assemblies measured by means of spatially resolved photoluminescence. Applied Surface Science, 2004, 238, 209-212.	6.1	8
88	Doped Semiconductor Nanocrystals: Development and Applications. , 0, , .		0