

Sonia Rh Mello-Castanho

List of Publications by Year in descending order

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64
papers

879
citations

516215

16
h-index

552369

26
g-index

65
all docs

65
docs citations

65
times ranked

884
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, Thermal Evolution, and Luminescence Properties of Yttrium Disilicate Host Matrix. <i>Chemistry of Materials</i> , 2005, 17, 1774-1782.	3.2	76
2	Glass ceramic sealants belonging to BAS ($BaO \cdot Al_2O_3 \cdot SiO_2$) ternary system modified with B_2O_3 addition: A different approach to access the SOFC seal issue. <i>Journal of the European Ceramic Society</i> , 2016, 36, 631-644.	2.8	64
3	Colloidal filtration of silicon nitride aqueous slips. Part I: optimization of the slip parameters. <i>Journal of the European Ceramic Society</i> , 1998, 18, 405-416.	2.8	56
4	Influence of process conditions on the surface oxidation of silicon nitride green compacts. <i>Journal of Materials Science</i> , 1997, 32, 157-162.	1.7	55
5	Synthesis of nanocrystalline yttrium disilicate powder by a sol-gel method. <i>Journal of Non-Crystalline Solids</i> , 2001, 289, 151-154.	1.5	40
6	Glass Powders with a High Content of Calcium Oxide: A Step Towards a "Green" Universal Biocide. <i>Advanced Engineering Materials</i> , 2011, 13, B256.	1.6	35
7	Crystal structure refinement of Co-doped lanthanum chromites. <i>Powder Diffraction</i> , 2008, 23, S18-S22.	0.4	25
8	A viscoelastic approach from $\hat{\epsilon}$ - Al_2O_3 suspensions with high solids content. <i>Journal of the European Ceramic Society</i> , 2013, 33, 3211-3219.	2.8	24
9	Incorporation of Galvanic Waste (Cr, Ni, Cu, Zn, Pb) in a Soda-Lime-Borosilicate Glass. <i>Journal of the American Ceramic Society</i> , 2008, 91, 1300-1305.	1.9	23
10	High chemical stability of stoneware tiles containing waste metals. <i>Journal of the European Ceramic Society</i> , 2010, 30, 2997-3004.	2.8	23
11	Colloidal Filtration of Silicon Nitride Aqueous Slips, Part II: Slip Casting and Pressure Casting Performance. <i>Journal of the European Ceramic Society</i> , 1999, 19, 49-59.	2.8	22
12	Surface oxidation of Si_3N_4 green compacts: Effect of sintering aids. <i>Journal of the European Ceramic Society</i> , 1997, 17, 383-391.	2.8	21
13	Vitrified galvanic waste chemical stability. <i>Journal of the European Ceramic Society</i> , 2007, 27, 565-570.	2.8	21
14	Formation of nanocrystalline yttrium disilicate powder by an oxalate gel method. <i>Journal of the European Ceramic Society</i> , 1998, 18, 1381-1384.	2.8	20
15	Tape casting of strontium and cobalt doped lanthanum chromite suspensions. <i>Journal of the European Ceramic Society</i> , 2010, 30, 2897-2903.	2.8	20
16	Silicate glasses obtained from fine silica powder modified with galvanic waste addition. <i>Journal of Non-Crystalline Solids</i> , 2004, 348, 211-217.	1.5	19
17	Nickel-Zirconia cermet processing by mechanical alloying for solid oxide fuel cell anodes. <i>Journal of Power Sources</i> , 2008, 185, 1262-1266.	4.0	19
18	Yttria nettings by colloidal processing. <i>Journal of the European Ceramic Society</i> , 2014, 34, 2509-2517.	2.8	16

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19	InÂvitro bioactivity and antibacterial capacity of 45S5 Bioglass [®] -based compositions containing alumina and strontium. Journal of Materials Research and Technology, 2021, 13, 154-161.	2.6	16
20	Mechanism of calcium lixiviation in soda-lime glasses with a strong biocide activity. Materials Letters, 2012, 70, 113-115.	1.3	15
21	Pressure filtration of Si ₃ N ₄ . Journal of the European Ceramic Society, 1997, 17, 267-271.	2.8	14
22	Fabrication of Sr- and Co-doped lanthanum chromite interconnectors for SOFC. Materials Research Bulletin, 2011, 46, 983-986.	2.7	14
23	Facile preparation of apatite-type lanthanum silicate by a new water-based sol-gel process. Materials Research Bulletin, 2013, 48, 2227-2231.	2.7	14
24	Structural and thermal behavior of 45S5 Bioglass [®] -based compositions containing alumina and strontium. Journal of the American Ceramic Society, 2020, 103, 3620-3630.	1.9	14
25	Rheological Analysis of Ceramics Suspensions with High Solids Loading. Materials Science Forum, 0, 727-728, 646-651.	0.3	13
26	Mechanical performance of LaCrO ₃ doped with strontium and cobalt for SOFC interconnect. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 550, 76-79.	2.6	13
27	Strontium and cobalt doped-lanthanum chromite: Characterisation of synthesised powders and sintered materials. Ceramics International, 2015, 41, 1177-1187.	2.3	13
28	Tribological and mechanical behaviour of 45S5 Bioglass [®] -based compositions containing alumina and strontium. Ceramics International, 2020, 46, 24347-24354.	2.3	13
29	PhysicoChemical Characterization of Strontium and Cobalt Doped Lanthanum Chromite Powders Produced by Combustion Synthesis. International Journal of Applied Ceramic Technology, 2009, 6, 626-635.	1.1	12
30	Cu-Ni-YSZ anodes for solid oxide fuel cell by mechanical alloying processing. International Journal of Materials Research, 2010, 101, 128-132.	0.1	12
31	Processing, microstructure and thermoluminescence response of biomorphic yttrium oxide ceramics. Ceramics International, 2016, 42, 13291-13295.	2.3	11
32	Sintering studies on Ni-Cu-YSZ SOFC anode cermet processed by mechanical alloying. Journal of Thermal Analysis and Calorimetry, 2009, 97, 775-780.	2.0	10
33	Bio-prototyping and thermoluminescence response of cellular rare earth ceramics. Journal of the European Ceramic Society, 2016, 36, 791-796.	2.8	10
34	Surface behaviour and stability of strontium and cobalt doped-lanthanum chromite powders in water. Solid State Ionics, 2009, 180, 71-75.	1.3	9
35	Processing and thermoluminescent response of porous biomorphic dysprosium doped yttrium disilicate burner. Materials Chemistry and Physics, 2016, 177, 505-511.	2.0	9
36	Low-temperature densification of ceramics and cermets by the intermediary stage activated sintering method. Journal of Thermal Analysis and Calorimetry, 2018, 131, 249-258.	2.0	9

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37	Sintering of Cobalt and Strontium Doped Lanthanum Chromite Obtained by Combustion Synthesis. Materials Science Forum, 2006, 530-531, 671-676.	0.3	7
38	YZrO ₂ -Ni Cermet Processing by High Energy Milling. Materials Science Forum, 0, 591-593, 514-520.	0.3	7
39	TG/DTA-MS evaluation of methane cracking and coking on doped nickel-zirconia based cermets. Journal of Thermal Analysis and Calorimetry, 2014, 118, 75-81.	2.0	6
40	Synthesis Characterization and Sintering of Cobalt-Doped Lanthanum Chromite Powders for Use in SOFCs. Materials Science Forum, 0, 660-661, 971-976.	0.3	5
41	Kinetics of dissolution of a biocide soda-lime glass powder containing silver nanoparticles. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	5
42	High barium content lead and alkaline-free glasses. Materials Letters, 2014, 136, 345-348.	1.3	5
43	Micrograded ceramic-metal composites. Journal of the European Ceramic Society, 2019, 39, 3484-3490.	2.8	5
44	Si ₃ N ₄ -Al ₂ O ₃ /Si ₃ N ₄ -Y ₂ O ₃ couple diffusion system. Acta Materialia, 1996, 44, 1001-1010.	3.8	4
45	Determining the Lanthanum Chromite Zeta Potential in Aqueous Media. Materials Science Forum, 2010, 660-661, 1145-1150.	0.3	4
46	Assessment of reuse potential of high alumina industrial waste as devitrification aid in common alumina-lime-silica glasses. Advances in Applied Ceramics, 2011, 110, 426-432.	0.6	4
47	Vidrios de silicato a partir de residuos galvnicos con alto contenido en Cr y Ni. Boletín De La Sociedad Espanola De Ceramica Y Vidrio, 2006, 45, 52-57.	0.9	4
48	Green Stoneware Containing Waste Metals. Materials Science Forum, 0, 660-661, 730-736.	0.3	3
49	Rheological Study of Yttrium Oxide Aqueous Suspensions. Materials Science Forum, 2010, 660-661, 712-717.	0.3	3
50	Biocide glass based on Nb ₂ O ₅ -SiO ₂ -CaO-Na ₂ O system. Materials Letters, 2016, 183, 277-280.	1.3	3
51	Transition Metals in Glass Formation. Materials Science Forum, 0, 727-728, 1496-1501.	0.3	2
52	Use of waste water glass as silica supplier in synthesis of pure and Mg-doped lanthanum silicate powders for IT-SOFC application. Journal of the European Ceramic Society, 2019, 39, 3416-3420.	2.8	2
53	Inertization of Galvanic Waste in a Silicate Glass. Key Engineering Materials, 2004, 264-268, 2445-2448.	0.4	1
54	Solid Galvanic Wastes Incorporation in Glass Matrices. Materials Science Forum, 2005, 498-499, 500-505.	0.3	1

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55	Microstructure design by mechanical alloying. Journal of the European Ceramic Society, 2010, 30, 2991-2996.	2.8	1
56	New Integrated Cermet Powder Preparation and Consolidation Methodâ€“Ni-ZrO ₂ Case. Materials Science Forum, 2010, 660-661, 370-376.	0.3	1
57	Advanced Multi-Metallic SOFC Anode Development by Mechanical Alloying Route. Materials Science Forum, 0, 636-637, 865-873.	0.3	1
58	Yttria Nettings by Replica Processing. Materials Science Forum, 2014, 798-799, 687-690.	0.3	1
59	Cromito de lantÃ¢nio: material para interconectores de cÃ©lulas a combustÃvel de Ã³xido sÃ³lido - uma revisÃ£o. Ceramica, 2015, 61, 60-70.	0.3	1
60	Synthesis and Sintering Behavior of Lanthanum Chromite Doped with Strontium and Cobalt for SOFC Interconnect Applications. , 0, , 237-254.		1
61	Second-Generation Aluminium Extraction Residue Used as Devitrification Aid for Glass-Ceramics. Materials Science Forum, 2008, 587-588, 773-777.	0.3	0
62	InfluÃªncia da atmosfera na sinterizaÃ§Ã£o do cromito de lantÃ¢nio dopado. Ceramica, 2013, 59, 366-371.	0.3	0
63	Special issue on green and energy efficient processing. Journal of the European Ceramic Society, 2019, 39, 3391.	2.8	0
64	Public management overview of the construction and demolition waste from the municipality of SÃ£o Paulo: challenges for the development of urban sustainability. WIT Transactions on Ecology and the Environment, 2007, , .	0.0	0