

Sonia Rh Mello-Castanho

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

692

citations

16

h-index

23

g-index

64

ext. papers

782

ext. citations

3.6

avg, IF

3.68

L-index

#	Paper	IF	Citations
62	In vitro bioactivity and antibacterial capacity of 45S5 Bioglass® -based compositions containing alumina and strontium. <i>Journal of Materials Research and Technology</i> , 2021 , 13, 154-161	5.5	1
61	Structural and thermal behavior of 45S5 Bioglass® -based compositions containing alumina and strontium. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 3620-3630	3.8	6
60	Tribological and mechanical behaviour of 45S5 Bioglass® -based compositions containing alumina and strontium. <i>Ceramics International</i> , 2020 , 46, 24347-24354	5.1	3
59	Use of waste water glass as silica supplier in synthesis of pure and Mg-doped lanthanum silicate powders for IT-SOFC application. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 3416-3420	6	1
58	Micrograded ceramic-metal composites. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 3484-3490	6	3
57	Low-temperature densification of ceramics and cermets by the intermediary stage activated sintering method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 131, 249-258	4.1	8
56	Processing, microstructure and thermoluminescence response of biomorphic yttrium oxide ceramics. <i>Ceramics International</i> , 2016 , 42, 13291-13295	5.1	11
55	Bio-prototyping and thermoluminescence response of cellular rare earth ceramics. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 791-796	6	9
54	Glass ceramic sealants belonging to BAS (BaO-Al ₂ O ₃ -SiO ₂) ternary system modified with B ₂ O ₃ addition: A different approach to access the SOFC seal issue. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 631-644	6	43
53	Processing and thermoluminescent response of porous biomorphic dysprosium doped yttrium disilicate burner. <i>Materials Chemistry and Physics</i> , 2016 , 177, 505-511	4.4	9
52	Biocide glass based on Nb ₂ O ₅ -SiO ₂ -CaO-Na ₂ O system. <i>Materials Letters</i> , 2016 , 183, 277-280	3.3	2
51	Strontium and cobalt doped-lanthanum chromite: Characterisation of synthesised powders and sintered materials. <i>Ceramics International</i> , 2015 , 41, 1177-1187	5.1	9
50	Cromito de lantânio: material para interconectores de células a combustível de óxido sólido - uma revisão. <i>Ceramica</i> , 2015 , 61, 60-70	1	
49	TG/DTA-MS evaluation of methane cracking and coking on doped nickel-zirconia based cermets. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 118, 75-81	4.1	5
48	High barium content lead and alkaline-free glasses. <i>Materials Letters</i> , 2014 , 136, 345-348	3.3	3
47	Yttria Nettings by Replica Processing. <i>Materials Science Forum</i> , 2014 , 798-799, 687-690	0.4	1
46	Yttria nettings by colloidal processing. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 2509-2517	6	15

45	Kinetics of dissolution of a biocide soda-lime glass powder containing silver nanoparticles. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	4
44	A viscoelastic approach from Al_2O_3 suspensions with high solids content. <i>Journal of the European Ceramic Society</i> , 2013 , 33, 3211-3219	6	9
43	Facile preparation of apatite-type lanthanum silicate by a new water-based sol-gel process. <i>Materials Research Bulletin</i> , 2013 , 48, 2227-2231	5.1	12
42	Influência da atmosfera na sinterização do cromito de lantânio dopado. <i>Cerâmica</i> , 2013 , 59, 366-371	1	
41	Mechanism of calcium lixiviation in soda-lime glasses with a strong biocide activity. <i>Materials Letters</i> , 2012 , 70, 113-115	3.3	10
40	Mechanical performance of LaCrO_3 doped with strontium and cobalt for SOFC interconnect. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 550, 76-79	5.3	10
39	Transition Metals in Glass Formation. <i>Materials Science Forum</i> , 2012 , 727-728, 1496-1501	0.4	
38	Rheological Analysis of Ceramics Suspensions with High Solids Loading. <i>Materials Science Forum</i> , 2012 , 727-728, 646-651	0.4	7
37	Fabrication of Sr- and Co-doped lanthanum chromite interconnectors for SOFC. <i>Materials Research Bulletin</i> , 2011 , 46, 983-986	5.1	12
36	Glass Powders with a High Content of Calcium Oxide: A Step Towards a "Green" Universal Biocide. <i>Advanced Engineering Materials</i> , 2011 , 13, B256-B260	3.5	27
35	Assessment of reuse potential of high alumina industrial waste as devitrification aid in common alumina-silica glasses. <i>Advances in Applied Ceramics</i> , 2011 , 110, 426-432	2.3	4
34	New Integrated Cermet Powder Preparation and Consolidation Method—Ni-ZrO ₂ Case. <i>Materials Science Forum</i> , 2010 , 660-661, 370-376	0.4	1
33	Advanced Multi-Metallic SOFC Anode Development by Mechanical Alloying Route. <i>Materials Science Forum</i> , 2010 , 636-637, 865-873	0.4	
32	Green Stoneware Containing Waste Metals. <i>Materials Science Forum</i> , 2010 , 660-661, 730-736	0.4	1
31	Cu-Ni-YSZ anodes for solid oxide fuel cell by mechanical alloying processing. <i>International Journal of Materials Research</i> , 2010 , 101, 128-132	0.5	8
30	Determining the Lanthanum Chromite Zeta Potential in Aqueous Media. <i>Materials Science Forum</i> , 2010 , 660-661, 1145-1150	0.4	3
29	Synthesis Characterization and Sintering of Cobalt-Doped Lanthanum Chromite Powders for Use in SOFCs. <i>Materials Science Forum</i> , 2010 , 660-661, 971-976	0.4	5
28	Rheological Study of Yttrium Oxide Aqueous Suspensions. <i>Materials Science Forum</i> , 2010 , 660-661, 712-717	0.4	1

27	Microstructure design by mechanical alloying. <i>Journal of the European Ceramic Society</i> , 2010 , 30, 2991-2996	1
26	High chemical stability of stoneware tiles containing waste metals. <i>Journal of the European Ceramic Society</i> , 2010 , 30, 2997-3004	6 18
25	Tape casting of strontium and cobalt doped lanthanum chromite suspensions. <i>Journal of the European Ceramic Society</i> , 2010 , 30, 2897-2903	6 19
24	Sintering studies on Ni _{0.4} Zr _{0.6} SOFC anode cermet processed by mechanical alloying. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009 , 97, 775-780	4.1 9
23	PhysicoChemical Characterization of Strontium- and Cobalt-Doped Lanthanum Chromite Powders Produced by Combustion Synthesis. <i>International Journal of Applied Ceramic Technology</i> , 2009 , 6, 626-635	12
22	Surface behaviour and stability of strontium and cobalt doped-lanthanum chromite powders in water. <i>Solid State Ionics</i> , 2009 , 180, 71-75	3.3 9
21	Crystal structure refinement of Co-doped lanthanum chromites. <i>Powder Diffraction</i> , 2008 , 23, S18-S22	1.8 25
20	YZrO ₂ -Ni Cermet Processing by High Energy Milling. <i>Materials Science Forum</i> , 2008 , 591-593, 514-520	0.4 7
19	Second-Generation Aluminium Extraction Residue Used as Devitrification Aid for Glass-Ceramics. <i>Materials Science Forum</i> , 2008 , 587-588, 773-777	0.4
18	Nickel-Zirconia cermet processing by mechanical alloying for solid oxide fuel cell anodes. <i>Journal of Power Sources</i> , 2008 , 185, 1262-1266	8.9 18
17	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	3.8 20
16	Vitrified galvanic waste chemical stability. <i>Journal of the European Ceramic Society</i> , 2007 , 27, 565-570	6 16
15	Sintering of Cobalt and Strontium Doped Lanthanum Chromite Obtained by Combustion Synthesis. <i>Materials Science Forum</i> , 2006 , 530-531, 671-676	0.4 7
14	Vidrios de silicato a partir de residuos galvnicos con alto contenido en Cr y Ni. <i>Boletín De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2006 , 45, 52-57	1.9 3
13	Synthesis, Thermal Evolution, and Luminescence Properties of Yttrium Disilicate Host Matrix. <i>Chemistry of Materials</i> , 2005 , 17, 1774-1782	9.6 61
12	Solid Galvanic Wastes Incorporation in Glass Matrices. <i>Materials Science Forum</i> , 2005 , 498-499, 500-505	0.4 1
11	Inertization of Galvanic Waste in a Silicate Glass. <i>Key Engineering Materials</i> , 2004 , 264-268, 2445-2448	0.4 1
10	Silicate glasses obtained from fine silica powder modified with galvanic waste addition. <i>Journal of Non-Crystalline Solids</i> , 2004 , 348, 211-217	3.9 16

9	Synthesis of nanocrystalline yttrium disilicate powder by a sol-gel method. <i>Journal of Non-Crystalline Solids</i> , 2001 , 289, 151-154	3.9	38
8	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	6	19
7	Formation of nanocrystalline yttrium disilicate powder by an oxalate gel method. <i>Journal of the European Ceramic Society</i> , 1998 , 18, 1381-1384	6	18
6	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	6	50
5	Influence of process conditions on the surface oxidation of silicon nitride green compacts. <i>Journal of Materials Science</i> , 1997 , 32, 157-162	4.3	47
4	Pressure filtration of Si ₃ N ₄ . <i>Journal of the European Ceramic Society</i> , 1997 , 17, 267-271	6	13
3	Surface oxidation of Si ₃ N ₄ green compacts: Effect of sintering aids. <i>Journal of the European Ceramic Society</i> , 1997 , 17, 383-391	6	17
2	Si ₃ N ₄ /Al ₂ O ₃ /Si ₃ N ₄ /Y ₂ O ₃ couple diffusion system. <i>Acta Materialia</i> , 1996 , 44, 1001-1010	8.4	4
1	Synthesis and Sintering Behavior of Lanthanum Chromite Doped with Strontium and Cobalt for SOFC Interconnect Applications 237-254		0