Saulo Roca BraganÃ§a

List of Publications by Year
in descending order

46 papers	612 citations	687363 13 h-index	610901 24 g-index
46 all docs	46 docs citations	46 times ranked	610 citing authors

#	Article	IF	Citations
1	A view of whitewares mechanical strength and microstructure. Ceramics International, 2003, 29, 801-806.	4.8	62
2	Traditional and glass powder porcelain: Technical and microstructure analysis. Journal of the European Ceramic Society, 2004, 24, 2383-2388.	5.7	55
3	Extraction and characterization of humic acid from coal for the application as dispersant of ceramic powders. Journal of Materials Research and Technology, 2018, 7, 254-260.	5.8	52
4	Effect of quartz particle size on the strength of triaxial porcelain. Journal of the European Ceramic Society, 2006, 26, 3761-3768.	5.7	51
5	Synthesis of carbon nanostructures by the pyrolysis of wood sawdust in a tubular reactor. Journal of Materials Research and Technology, 2017, 6, 171-177.	5.8	51
6	Sintering-dependent mechanical and magnetic properties of spinel cobalt ferrite (CoFe2O4) ceramics prepared via sol-gel synthesis. Ceramics International, 2020, 46, 2465-2472.	4.8	37
7	Recycling of iron foundry sand and glass waste as raw material for production of whiteware. Waste Management and Research, 2006, 24, 60-66.	3.9	33
8	Heat Transfer in Steelmaking Ladle. Journal of Iron and Steel Research International, 2008, 15, 11-14.	2.8	28
9	Waste glass in porcelain. Materials Research, 2005, 8, 39-44.	1.3	24
10	Sucrose as a sol-gel synthesis additive for tuning spinel inversion and improving the magnetic properties of CoFe2O4 nanoparticles. Ceramics International, 2020, 46, 12759-12766.	4.8	22
11	Thermogravimetric analysis of limestones with different contents of MgO and microstructural characterization in oxy-combustion. Thermochimica Acta, 2013, 561, 19-25.	2.7	21
12	A review of waste glass as a raw material for whitewares. Journal of Environmental Management, 2019, 244, 161-171.	7.8	21
13	Bone china formulated with waste glass. Advances in Applied Ceramics, 2013, 112, 169-175.	1.1	15
14	FBC desulfurization process using coal with low sulfur content, high oxidizing conditions and metamorphic limestones. Brazilian Journal of Chemical Engineering, 2009, 26, 375-383.	1.3	13
15	Use of mineral coal ashes in insulating refractory brick. Refractories and Industrial Ceramics, 2008, 49, 320-323.	0.6	9
16	Corrosion of refractory alumina plates used in the sliding gate system of steelmaking ladle: Chemical experiment. Ceramics International, 2017, 43, 3298-3305.	4.8	9
17	Desulfurization kinetics of coal combustion gases. Brazilian Journal of Chemical Engineering, 2003, 20, 161-169.	1.3	9
18	Correlation of synthesis parameters to the structural and magnetic properties of spinel cobalt ferrites (CoFe2O4) â€“ an experimental and statistical study. Journal of Magnetism and Magnetic Materials, 2022, 550, 169128.	2.3	9

#	Article	IF	Citations
19	Investigation of spodumene-bearing rock as a flux for bone china production. Materials Research, 2013, 16, 1398-1404.	1.3	8
20	Evaluation of the protective C2S layer in the corrosion process of doloma-C refractories. Ceramics International, 2015, 41, 4775-4781.	4.8	8
21	Free Opening Performance of Steel Ladle as a Function of Filler Sand Properties. Materials Research, 2016, 19, 408-412.	1.3	8
22	Preparation of Ba0.5Sr0.5Co0.8Fe0.2O3â^'Î´ (BSCF) feedstocks with different thermoplastic binders and their use in the production of thin tubular membranes by extrusion. Ceramics International, 2014, 40, 7531-7538.	4.8	7
23	Coal Ash Transportation as Paste-Like, Highly Loaded Pulps in Brazil: Characterization and Main Features. International Journal of Coal Preparation and Utilization, 2009, 29, 203-215.	2.1	6
24	Porcelain Casting Slips Formulated with Waste Glass. International Journal of Applied Ceramic Technology, 2009, 6, 264-269.	2.1	6
25	Spodumene-bearing rock as flux for triaxial ceramic bodies. Advances in Applied Ceramics, 2011, 110, 293-300.	1.1	6
26	Wollastonite as a Flux for Ceramics Bodies. Materials Science Forum, 0, 727-728, 1016-1021.	0.3	6
27	Humic Acid as Dispersant of an Alumina Suspension and its Rheological Behaviour. Materials Research, 2018, 21, .	1.3	5
28	The behavior of heavy metals in the process of desulfurization of Brazilian coal combustion gases by the addition of limestone. Brazilian Journal of Chemical Engineering, 2001, 18, 139-147.	1.3	5
29	Hydrogen Potential Sources in Refractory Materials during Steel Casting. Steel Research International, 2006, 77, 400-403.	1.8	4
30	Rheological behavior of fresh latex polymeric mortar by squeeze-flow technique. Construction and Building Materials, 2021, 267, 121175.	7.2	4
31	An evaluation of the increased expansion of clay aggregates fired at 1300 Â°C to maximize lightness for non-structural concrete. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2023, 62, 56-65.	1.9	4
32	Optimizing Coal Feed in a Brazilian Thermal Power Plant: A Case Study. Coal Preparation, 2004, 24, 69-83.	0.5	3
33	Method for the characterization of electrophoretic properties of clay slips. Applied Clay Science, 2013, 86, 11-17.	5.2	3
34	Influence of ladle slag composition in the dissolution process of the dicalcium silicate (C2S) layer on doloma-C refractories. Ceramics International, 2017, 43, 15360-15369.	4.8	3
35	Effect of Quartz of Fine Particle Size on Porcelain Properties. Materials Science Forum, 2006, 530-531, 493-498.	0.3	2
36	EVALUATION OF LIMESTONE IMPURITIES IN THE DESULFURIZATION PROCESS OF COAL COMBUSTION GAS. Brazilian Journal of Chemical Engineering, 2017, 34, 263-272.	1.3	1

#	Article	IF	Citations
37	Placas de refratÃ¡rios aluminosos do sistema de vÃ¡lvula gaveta de panelas de aciaria: anÃ¡lise post mortem da degradaÃ§Ã£o quÃmica. Ceramica, 2018, 64, 41-48.	0.8	1
38	Evaluation of oxidation resistance of MgOâ€C bricks in oxyâ€combustion and airâ€combustion. International Journal of Applied Ceramic Technology, 2021, 18, 1392-1403.	2.1	1
39	Hardness and Toughness of Aluminum Porcelains Measured by the Indentation Test. Materials Science Forum, 2006, 530-531, 562-567.	0.3	0
40	Influence of the Type of Dispersant on the Properties of Casting Slips of Porcelains with Soda-Lime Glass. Materials Science Forum, 2006, 530-531, 449-455.	0.3	0
41	AvaliaÃ§Ã£o de revestimentos para proteÃ§Ã£o contra a descarbonetaÃ§Ã£o de tijolos refratÃ¡rios MgO-C durante o aquecimento de panelas de aciaria. Revista Materia, 2008, 13, 488-494.	0.2	0
42	IdentificaÃ§Ã£o e avaliaÃ§Ã£o dos mecanismos de ataque da escÃ³ria SiO2-CaO-Al2O3-MgO em tijolos refratÃ¡rios de MgO-C. Revista Materia, 2008, 13, 56-64.	0.2	0
43	Waste catalyst as raw material in aluminaâ€“silica refractories. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2012, 226, 286-292.	1.1	0
44	Characterization method through the electrophoretic behaviour of clays in an aqueous medium. Clay Minerals, 2013, 48, 491-497.	0.6	0
45	Uma revisÃ£o sobre a terminologia e classificaÃ§Ã£o das cerÃ¢micas brancas. Ceramica, 2019, 65, 485-497.	0.8	0
46	Maximization of the use of casting sand residue in the production of fired ceramic bricks. REM: International Engineering Journal, 2020, 73, 337-343.	0.4	0