

Vania Sousa

List of Publications by Year in descending order

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45
papers

693
citations

567281

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all docs

45
docs citations

45
times ranked

788
citing authors

#	ARTICLE	IF	CITATIONS
1	Combustion synthesized ZnO powders for varistor ceramics. <i>Solid State Sciences</i> , 1999, 1, 235-241.	0.7	98
2	Characterization of Silica Produced from Rice Husk Ash: Comparison of Purification and Processing Methods. <i>Materials Research</i> , 2017, 20, 512-518.	1.3	81
3	Recent research developments in SnO ₂ -based varistors. <i>Materials Chemistry and Physics</i> , 2005, 90, 1-9.	4.0	75
4	Magnetic and Mössbauer behavior of the nanostructured MgFe ₂ O ₄ spinel obtained at low temperature. <i>Powder Technology</i> , 2011, 210, 103-108.	4.2	63
5	The effect of Ta ₂ O ₅ and Cr ₂ O ₃ on the electrical properties of TiO ₂ varistors. <i>Journal of the European Ceramic Society</i> , 2002, 22, 1277-1283.	5.7	39
6	Combustion process in the synthesis of ZnO-Bi ₂ O ₃ . <i>Ceramics International</i> , 2000, 26, 561-564.	4.8	34
7	Physical, chemical and electric characterization of thermally treated rice husk ash and its potential application as ceramic raw material. <i>Advanced Powder Technology</i> , 2017, 28, 1228-1236.	4.1	32
8	Influence of fuel on morphology of LSM powders obtained by solution combustion synthesis. <i>Powder Technology</i> , 2015, 269, 481-487.	4.2	29
9	Eco-friendly and cost-effective synthesis of ZnO nanopowders by Tapioca-assisted sol-gel route. <i>Ceramics International</i> , 2020, 46, 10835-10842.	4.8	24
10	Electrical Properties of La _{0.6} Sr _{0.4} Co _{1-y} Fe _y O ₃ (y = 0.2-1.0) Fibers Obtained by Electrospinning. <i>Journal of Physical Chemistry C</i> , 2016, 120, 64-69.	3.1	20
11	Study of structural and optical properties of ZnO nanoparticles synthesized by an eco-friendly tapioca-assisted route. <i>Materials Chemistry and Physics</i> , 2021, 258, 123926.	4.0	20
12	Novel method for the obtainment of nanostructured calcium phosphate cements: Synthesis, mechanical strength and cytotoxicity. <i>Powder Technology</i> , 2013, 235, 599-605.	4.2	17
13	Electrochemical characteristics of La _{0.6} Sr _{0.4} Co _{1-y} Fe _y O ₃ (y=0.2-1.0) fiber cathodes. <i>Ceramics International</i> , 2017, 43, 8715-8720.	4.8	17
14	Nonlinear behavior of TiO ₂ -Ta ₂ O ₅ -MnO ₂ material doped with BaO and Bi ₂ O ₃ . <i>Materials Chemistry and Physics</i> , 2004, 85, 96-103.	4.0	16
15	Magnetic and Structural Characterization of Nanostructured MgFe ₂ O ₄ Synthesized by Combustion Reaction. <i>Particulate Science and Technology</i> , 2009, 27, 519-527.	2.1	16
16	2-(Dimethylamino)ethyl Methacrylate/(2-Hydroxyethyl) Methacrylate/Tricalcium Phosphate Cryogels for Bone Repair, Preparation and Evaluation of the Biological Response of Human Trabecular Bone-Derived Cells and Mesenchymal Stem Cells. <i>Polymers</i> , 2014, 6, 2510-2525.	4.5	14
17	Effect of atmosphere on the electrical properties of TiO ₂ -SnO ₂ varistor systems. <i>Journal of Materials Science: Materials in Electronics</i> , 2004, 15, 665-669.	2.2	12
18	Microstructure and electrical properties of (Ta, Co, Pr) doped TiO ₂ based electroceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2010, 21, 246-251.	2.2	11

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19	Deposition of nanostructured LSM perovskite thin film on dense YSZ substrate by airbrushed solution combustion (ASC) for application in SOFC cathodes. International Journal of Hydrogen Energy, 2020, 45, 11749-11760.	7.1	10
20	Electrical properties of ZnO-based varistors prepared by combustion synthesis. Journal of Materials Science: Materials in Electronics, 2002, 13, 319-325.	2.2	9
21	Chemical synthesis of materials based on calcium zirconate for solid oxide fuel cells (SOFC). Environmental Progress and Sustainable Energy, 2019, 38, e13243.	2.3	7
22	(Ta, Cr)-doped TiO_2 electroceramic systems. Journal of Materials Science: Materials in Electronics, 2006, 17, 79-84.	2.2	5
23	Perovskites Used in Fuel Cells. , 0, , .		5
24	Effect of SrO on the electrical barrier formation and microstructure of TiO_2 varistors. Materials Chemistry and Physics, 2016, 184, 91-100.	4.0	5
25	Monitoring of the interaction of calcium phosphate cement and lidocaine hydrochloride by electrochemical impedance spectroscopy during the drug release process. Journal of Applied Electrochemistry, 2021, 51, 463-471.	2.9	5
26	In situ drug release measuring in β -TCP cement by electrochemical impedance spectroscopy. Journal of Materials Science: Materials in Medicine, 2021, 32, 38.	3.6	5
27	Electrical and microstructural properties of microwave sintered SnO_2 -based varistors. Ceramica, 2012, 58, 151-157.	0.8	4
28	Synthesis of $\text{SrBi}_2\text{Ta}_2\text{O}_9$ by solution combustion and its characterization. Powder Technology, 2012, 225, 239-243.	4.2	3
29	Elaboration of Yttria-Stabilized Zirconia Films on Porous Substrates. Materials Science Forum, 2010, 660-661, 707-711.	0.3	2
30	Electrical Properties of a TiO_2 - SrO Varistor System. Advanced Materials Research, 0, 975, 168-172.	0.3	2
31	Chemical Synthesis and Sintering Behaviour of $\text{Ca}_3\text{Al}_2\text{O}_6$ Obtained by Polymeric Precursor Method. Materials Science Forum, 0, 820, 143-148.	0.3	2
32	Electrochemical Impedance Spectroscopy: Evaluation of Drug Delivery System of Alpha-Tricalcium Phosphate Cement. Materials Science Forum, 2015, 820, 293-296.	0.3	2
33	Study of the Evolution of Phase Calcium Aluminate through the Method for Polymeric Precursors $\text{Ca}_{12}\text{Al}_7$. Materials Science Forum, 0, 820, 137-142.	0.3	2
34	Mixed Electrical Conduction of Calcium Aluminates Synthesized by Polymeric Precursors. Materials Research, 2019, 22, .	1.3	2
35	Influence of compaction manufacturing process on the physical and electrical characteristics of high-voltage varistor. Journal of Materials Science: Materials in Electronics, 2007, 18, 957-962.	2.2	1
36	Ceramic Coating Based on La, Sr and Co on Ferritic Stainless Steel for ITSOFC Interconnects. Materials Science Forum, 0, 727-728, 522-527.	0.3	1

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37	Combustion Synthesis of LSM Powders from a Precursor Solution with Mixed Fuels. Materials Science Forum, 0, 727-728, 1329-1333.	0.3	1
38	Influence of Substrate Temperature in the Morphology and Microstructure of YSZ Films Obtained on LSM Porous Substrate via Spray Pyrolysis. Materials Science Forum, 2012, 727-728, 691-696.	0.3	1
39	Influence of biomass waste from agro-industries on obtaining energetic gases assisted by chronoamperometric process. International Journal of Hydrogen Energy, 2022, 47, 735-746.	7.1	1
40	Brazilian Raw Materials Doped TiO_2 Based Electroceramics. Materials Science Forum, 2006, 530-531, 444-448.	0.3	0
41	Electrical and Microstructural Properties of Varistors Based on Nanostructured Tetra-Needle Like Zinc Oxide Powders. Materials Science Forum, 2012, 727-728, 533-538.	0.3	0
42	Caracteriza�o el�trica de blocos varistores � base de SnO_2 . Ceramica, 2012, 58, 349-356.	0.8	0
43	Microstructure and Thermal Conductivity of Porous $Al_2O_3-ZrO_2$ Ceramics. Materials Science Forum, 2015, 820, 268-273.	0.3	0
44	Sintering and characterization of $SrBi_2Ta_2O_9$ obtained by high-pressure processing at low temperatures. Journal of Solid State Chemistry, 2016, 233, 259-268.	2.9	0
45	Optoelectronic and Ferroelectric Applications. , 2011, , 41-55.		0