

# Vania Sousa

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7494824/publications.pdf>

Version: 2024-02-01

45  
papers

693  
citations

566801

15  
h-index

552369

26  
g-index

45  
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.	0.8	98
2	Characterization of Silica Produced from Rice Husk Ash: Comparison of Purification and Processing Methods. <i>Materials Research</i> , 2017, 20, 512-518.	0.6	81
3	Recent research developments in SnO <sub>2</sub> -based varistors. <i>Materials Chemistry and Physics</i> , 2005, 90, 1-9.	2.0	75
4	Magnetic and Mössbauer behavior of the nanostructured MgFe <sub>2</sub> O <sub>4</sub> spinel obtained at low temperature. <i>Powder Technology</i> , 2011, 210, 103-108.	2.1	63
5	The effect of Ta <sub>2</sub> O <sub>5</sub> and Cr <sub>2</sub> O <sub>3</sub> on the electrical properties of TiO <sub>2</sub> varistors. <i>Journal of the European Ceramic Society</i> , 2002, 22, 1277-1283.	2.8	39
6	Combustion process in the synthesis of ZnO-Bi <sub>2</sub> O <sub>3</sub> . <i>Ceramics International</i> , 2000, 26, 561-564.	2.3	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.	2.0	32
8	Influence of fuel on morphology of LSM powders obtained by solution combustion synthesis. <i>Powder Technology</i> , 2015, 269, 481-487.	2.1	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.	2.3	24
10	Electrical Properties of La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>1-y</sub> Fe <sub>y</sub> O <sub>3</sub> (y = 0.2-1.0) Fibers Obtained by Electrospinning. <i>Journal of Physical Chemistry C</i> , 2016, 120, 64-69.	1.5	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.	2.0	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.	2.1	17
13	Electrochemical characteristics of La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>1-y</sub> Fe <sub>y</sub> O <sub>3</sub> (y=0.2-1.0) fiber cathodes. <i>Ceramics International</i> , 2017, 43, 8715-8720.	2.3	17
14	Nonlinear behavior of TiO <sub>2</sub> -Ta <sub>2</sub> O <sub>5</sub> -MnO <sub>2</sub> material doped with BaO and Bi <sub>2</sub> O <sub>3</sub> . <i>Materials Chemistry and Physics</i> , 2004, 85, 96-103.	2.0	16
15	Magnetic and Structural Characterization of Nanostructured MgFe <sub>2</sub> O <sub>4</sub> Synthesized by Combustion Reaction. <i>Particulate Science and Technology</i> , 2009, 27, 519-527.	1.1	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.	2.0	14
17	Effect of atmosphere on the electrical properties of TiO <sub>2</sub> -SnO <sub>2</sub> varistor systems. <i>Journal of Materials Science: Materials in Electronics</i> , 2004, 15, 665-669.	1.1	12
18	Microstructure and electrical properties of (Ta, Co, Pr) doped TiO <sub>2</sub> based electroceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2010, 21, 246-251.	1.1	11

#	ARTICLE	IF	CITATIONS
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.	3.8	10
20	Electrical properties of ZnO-based varistors prepared by combustion synthesis. Journal of Materials Science: Materials in Electronics, 2002, 13, 319-325.	1.1	9
21	Chemical synthesis of materials based on calcium zirconate for solid oxide fuel cells (SOFC). Environmental Progress and Sustainable Energy, 2019, 38, e13243.	1.3	7
22	(Ta, Cr)-doped $\text{TiO}_2$ electroceramic systems. Journal of Materials Science: Materials in Electronics, 2006, 17, 79-84.	1.1	5
23	Perovskites Used in Fuel Cells. , 0, , .		5
24	Effect of SrO on the electrical barrier formation and microstructure of $\text{TiO}_2$ varistors. Materials Chemistry and Physics, 2016, 184, 91-100.	2.0	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.	1.5	5
26	In situ drug release measuring in $\beta$ -TCP cement by electrochemical impedance spectroscopy. Journal of Materials Science: Materials in Medicine, 2021, 32, 38.	1.7	5
27	Electrical and microstructural properties of microwave sintered $\text{SnO}_2$ -based varistors. Ceramica, 2012, 58, 151-157.	0.3	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.	2.1	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 $\text{TiO}_2$ - $\text{SrO}$ 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, .	0.6	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.	1.1	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

#	ARTICLE	IF	CITATIONS
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.	3.8	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.	0.3	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.	1.4	0
45	Optoelectronic and Ferroelectric Applications. , 2011, , 41-55.		0