

# Sabrina Arcaro

## List of Publications by Year in descending order

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72  
papers

954  
citations

535685

17  
h-index

536525

29  
g-index

75  
all docs

75  
docs citations

75  
times ranked

920  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of tricalcium silicate crystalline phase by differential scanning calorimetry for the development of endodontic calcium silicate-based cements. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 2083-2090.	2.0	4
2	Dissolution, bioactivity behavior, and cytotoxicity of $19\text{Li}_2\text{O}\cdot 11\text{ZrO}_2\cdot 69\text{SiO}_2$ glass-ceramic. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2022, 110, 67-78.	1.6	8
3	The effect of $\text{CaCO}_3$ in the formation of carbon nanotubes via electrolysis of molten $\text{Li}_2\text{CO}_3/\text{CaCO}_3$ mixtures. <i>International Journal of Applied Ceramic Technology</i> , 2022, 19, 451-458.	1.1	4
4	Nanomaterials for Magnetic Hyperthermia. <i>Engineering Materials</i> , 2022, , 165-183.	0.3	1
5	Iron-Based Nanomaterials for Fenton Reaction. <i>Engineering Materials</i> , 2022, , 133-152.	0.3	2
6	Coal mining pyritic waste in Fenton-like processes: Raw and purified catalysts in Reactive Blue 21 dye discoloration. <i>Science of the Total Environment</i> , 2022, 807, 150823.	3.9	7
7	Basalt-Containing Pressed Cement Plates for Construction Systems: Technological and Toxicological Characterization. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .	1.3	0
8	LZS bioactive glass-ceramic scaffolds: Colloidal processing, foam replication technique and mechanical properties to bone tissue engineering. <i>Open Ceramics</i> , 2022, 9, 100219.	1.0	5
9	Single-burn clinkering of endodontic calcium silicate-based cements: Effects of ZnO in the C3S phase formation and hydration rate. <i>Materials Letters</i> , 2022, 311, 131556.	1.3	1
10	Novel approach to ensure the dimensional stability of large-format enameled porcelain stoneware tiles through water absorption control. <i>Open Ceramics</i> , 2022, 9, 100203.	1.0	2
11	Correlation of synthesis parameters to the structural and magnetic properties of spinel cobalt ferrites ( $\text{CoFe}_2\text{O}_4$ ) – an experimental and statistical study. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 550, 169128.	1.0	9
12	Influence of caffeine and citrulline on magnetic properties when used as new fuels in the synthesis of $\text{CoFe}_2\text{O}_4$ nanoparticles by gel combustion. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 560, 169632.	1.0	4
13	Aluminum borophosphate glaze-coated aluminum alloy substrate: Coating properties and coating/substrate coupling. <i>Ceramics International</i> , 2021, 47, 2050-2057.	2.3	3
14	Ballistic ceramics and analysis of their mechanical properties for armour applications: A review. <i>Ceramics International</i> , 2021, 47, 8743-8761.	2.3	40
15	Enhancement of magnetic and dielectric properties of $\text{KNbO}_3\text{-CoFe}_2\text{O}_4$ multiferroic composites via thermal treatment. <i>Ceramics International</i> , 2021, 47, 4874-4883.	2.3	10
16	Processing. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2021, , 97-137.	1.4	0
17	Chemical and Mechanical Properties of Ferrites. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2021, , 49-67.	1.4	1
18	Structure of Ferrites. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2021, , 5-24.	1.4	0

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19	Eggshells as agro-industrial waste substitute for CaCO <sub>3</sub> in glass foams: A study on obtaining lower thermal conductivity. International Journal of Applied Ceramic Technology, 2021, 18, 838-849.	1.1	4
20	Influence of CVD parameters on Co <sub>2</sub> /CNT properties: A route to enhance energy harvesting from sunlight. International Journal of Applied Ceramic Technology, 2021, 18, 1297-1306.	1.1	5
21	Effect of the crystalline layer on the electrical behaviour of 17.7Li <sub>2</sub> O·5.2ZrO <sub>2</sub> ·68.1SiO <sub>2</sub> ·9.0Al <sub>2</sub> O <sub>3</sub> glass ceramic monoliths. Ceramics International, 2021, 47, 21358-21366.	2.3	3
22	NiFe <sub>2</sub> O <sub>4</sub> Powders by Solution-Combustion Synthesis Using 6-Aminohexanoic Acid as a Fuel: Structural and Magnetic Properties. International Journal of Self-Propagating High-Temperature Synthesis, 2021, 30, 111-114.	0.2	1
23	Superparamagnetic MnFe <sub>2</sub> O <sub>4</sub> Ferrite by Gel Combustion Synthesis Using TRIS as a Fuel: Influence of Oxidizer to Fuel Ratio. International Journal of Self-Propagating High-Temperature Synthesis, 2021, 30, 73-80.	0.2	3
24	Thermal evaluation of the use of porous ceramic plates on ventilated façades” part II: Thermal behavior. International Journal of Applied Ceramic Technology, 2021, 18, 1734-1742.	1.1	4
25	Thermal evaluation of the use of porous ceramic plates on ventilated façades” Part I: Effect of composition and firing temperature on porosity and bending strength. International Journal of Applied Ceramic Technology, 2021, 18, 2169-2177.	1.1	2
26	Photocatalytic pathway on the degradation of methylene blue from aqueous solutions using magnetite nanoparticles. Journal of Cleaner Production, 2021, 318, 128556.	4.6	71
27	Nanostructured biological hydroxyapatite from Tilapia bone: A pathway to control crystallite size and crystallinity. Ceramics International, 2021, 47, 27685-27693.	2.3	17
28	Análise de desempenho de placas cerâmicas porosas obtidas com resíduo de vidro e lama de cal para aplicação em fachadas ventiladas. Ceramica, 2021, 67, 388-398.	0.3	2
29	Sintering-dependent mechanical and magnetic properties of spinel cobalt ferrite (CoFe <sub>2</sub> O <sub>4</sub> ) ceramics prepared via sol-gel synthesis. Ceramics International, 2020, 46, 2465-2472.	2.3	37
30	Porous ceramic supported TiO <sub>2</sub> nanoparticles: Enhanced photocatalytic activity for Rhodamine B degradation. Boletín De La Sociedad Espanola De Ceramica Y Vidrio, 2020, 59, 230-238.	0.9	31
31	Novel core-shell nanocomposites based on TiO <sub>2</sub> -covered magnetic Co <sub>3</sub> O <sub>4</sub> for biomedical applications. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 1879-1887.	1.6	16
32	Ecofriendly synthesis of MWCNTs by electric arc in aqueous medium: Comparative study of 6B pencil and mineral graphite. International Journal of Applied Ceramic Technology, 2020, 17, 2357-2367.	1.1	4
33	The influence of precursors and additives on the hydrothermal synthesis of VO <sub>2</sub> : A route for tuning the metal-insulator transition temperature. Ceramics International, 2020, 46, 23560-23566.	2.3	5
34	Densified alumina obtained by two-step sintering: Impact of the microstructure on mechanical properties. Ceramics International, 2020, 46, 12740-12743.	2.3	14
35	Desempenho de concretos preparados com cimentos portland cp iv e cp v utilizando o método de dosagem ipt/epus: um estudo de caso. Tecno-Lógica, 2020, 24, 221-227.	0.1	0
36	Nano Magnetite Based Magnetic Glass-Ceramic Obtained from Wastes. Engineering Materials, 2019, , 171-181.	0.3	0

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37	Electrolytic Conversion of CO <sub>2</sub> to Carbon Nanostructures. <i>Engineering Materials</i> , 2019, , 15-33.	0.3	0
38	Avaliação da influência do glicerol em matriz cerâmica. <i>Revista Materia</i> , 2019, 24, .	0.1	0
39	Microwave-synthesized KNbO <sub>3</sub> perovskites: photocatalytic pathway on the degradation of rhodamine B. <i>Ceramics International</i> , 2019, 45, 24137-24145.	2.3	48
40	The influence of solvent composition in the sol-gel synthesis of cobalt ferrite (CoFe <sub>2</sub> O <sub>4</sub> ): A route to tuning its magnetic and mechanical properties. <i>Journal of the European Ceramic Society</i> , 2019, 39, 3442-3449.	2.8	32
41	Glass foams produced from soda-lime glass waste and rice husk ash applied as partial substitutes for concrete aggregates. <i>Chemical Engineering Research and Design</i> , 2019, 128, 77-84.	2.7	32
42	Innovative thermal and acoustic insulation foam by using recycled ceramic shell and expandable styrofoam (EPS) wastes. <i>Waste Management</i> , 2019, 89, 336-344.	3.7	35
43	Excess of cations in the sol-gel synthesis of cobalt ferrite (CoFe <sub>2</sub> O <sub>4</sub> ): A pathway to switching the inversion degree of spinels. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 482, 1-8.	1.0	57
44	Cobalt-doped titanium oxide nanotubes grown via one-step anodization for water splitting applications. <i>Applied Surface Science</i> , 2019, 464, 351-359.	3.1	31
45	Effect of sludge from wastewater treatment processing of a tobacco agroindustry in ceramics matrix. <i>International Journal of Applied Ceramic Technology</i> , 2019, 16, 1050-1059.	1.1	0
46	Magnetic properties of magnetite-based nano-glass-ceramics obtained from a Fe-rich scale and borosilicate glass wastes. <i>Ceramics International</i> , 2019, 45, 4360-4367.	2.3	21
47	Avaliação da adição de resíduos de vidro sodo-cálcico e erva-mate em matriz cerâmica. <i>Ceramica</i> , 2019, 65, 63-69.	0.3	6
48	Sustainable Glass Foams Produced from Glass Bottles and Tobacco Residue. <i>Materials Research</i> , 2019, 22, .	0.6	7
49	Novel nanoarchitected cobalt-doped TiO <sub>2</sub> and carbon nanotube arrays: Synthesis and photocurrent performance. <i>Ceramics International</i> , 2019, 45, 2439-2445.	2.3	10
50	Vitrocrystalline foams produced with EPS as pore former: Processing and characterization. <i>Chemical Engineering Research and Design</i> , 2019, 121, 12-19.	2.7	9
51	MWCNTs produced by electrolysis of molten carbonate: Characteristics of the cathodic products grown on galvanized steel and nickel chrome electrodes. <i>Applied Surface Science</i> , 2019, 466, 367-374.	3.1	30
52	Li <sub>2</sub> O-ZrO <sub>2</sub> -SiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> nanostructured composites for microelectronics applications. <i>Journal of the European Ceramic Society</i> , 2019, 39, 491-498.	2.8	18
53	Sol-gel synthesis of substoichiometric cobalt ferrite (CoFe <sub>2</sub> O <sub>4</sub> ) spinels: Influence of additives on their stoichiometry and magnetic properties. <i>Ceramics International</i> , 2018, 44, 12381-12388.	2.3	49
54	Natural Amorphous Silica Fibers-Reinforced Silica Matrix Composites. <i>Innovations in Corrosion and Materials Science</i> , 2018, 8, 53-59.	0.2	0

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55	Assessment of environmental compatibility of glass-ceramic materials obtained from galvanic sludge and soda-lime glass residue. <i>Chemical Engineering Research and Design</i> , 2018, 120, 72-78.	2.7	13
56	One-step synthesis of nanoglass-free TiO <sub>2</sub> nanotubes using DTPA-enriched electrolytes. <i>Ceramics International</i> , 2018, 44, 22345-22351.	2.3	17
57	Glass foams produced from glass and yerba mate ( <i>Ilex paraguayensis</i> ) waste. <i>FME Transactions</i> , 2018, 46, 70-79.	0.7	11
58	Synthesis and characterization of Li <sub>2</sub> TiSiO <sub>5</sub> obtained by melting and solid-state reaction. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 127, 463-467.	2.0	3
59	Vitrocrystalline foams produced from glass and oyster shell wastes. <i>Ceramics International</i> , 2017, 43, 6730-6737.	2.3	43
60	Properties of LZS/nanoAl <sub>2</sub> O <sub>3</sub> glass-ceramic composites. <i>Journal of Alloys and Compounds</i> , 2017, 710, 567-574.	2.8	28
61	LZS/Al <sub>2</sub> O <sub>3</sub> nanostructured composites obtained by colloidal processing and spark plasma sintering. <i>Journal of the European Ceramic Society</i> , 2017, 37, 5139-5148.	2.8	5
62	LZS/Al <sub>2</sub> O <sub>3</sub> Glass-Ceramic Composites Sintered by Fast Firing. <i>Materials Research</i> , 2017, 20, 84-91.	0.6	3
63	Produção e caracterização de espumas vitrocrystalinas a partir de resíduos sólidos. <i>Revista Materia</i> , 2017, 22, .	0.1	1
64	Isolantes térmicos produzidos a partir de resíduos sólidos industriais. <i>Ceramica</i> , 2016, 62, 32-37.	0.3	1
65	Thermal Insulating Foams Produced From Glass Waste and Banana Leaves. <i>Materials Research</i> , 2016, 19, 1064-1069.	0.6	39
66	The influence of nano alumina additions on the coefficient of thermal expansion of a LZS glass-ceramic composition. <i>Ceramics International</i> , 2016, 42, 8620-8626.	2.3	14
67	Al <sub>2</sub> O <sub>3</sub> Nanoparticulate LZS Glass-Ceramic Matrix Composites for Production of Multilayered Materials. <i>Journal of the American Ceramic Society</i> , 2016, 99, 3573-3580.	1.9	15
68	Materiais celulares aéreos obtidos via colagem de gel de uma emulsão de óleo vegetal. <i>Revista Materia</i> , 2016, 21, 385-390.	0.1	4
69	TiO <sub>2</sub> nanoparticulated LZSA glass-ceramic matrix composites. <i>Ceramics International</i> , 2014, 40, 9535-9540.	2.3	3
70	Synthesis and characterization of LZS/Al <sub>2</sub> O <sub>3</sub> glass-ceramic composites for applications in the LTCC technology. <i>Ceramics International</i> , 2014, 40, 5269-5274.	2.3	44
71	Reologia de suspensões de precursor vítrocerâmico do sistema LiO <sub>2</sub> -ZrO <sub>2</sub> -SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> . <i>Ceramica</i> , 2014, 60, 149-153.	0.3	1
72	Processing of Silicas Formed by Slip Casting. <i>Materials Science Forum</i> , 0, 775-776, 525-528.	0.3	2