

# Catia Fredericci

## List of Publications by Year in descending order

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30  
papers

572  
citations

759233

12  
h-index

642732

23  
g-index

32  
all docs

32  
docs citations

32  
times ranked

625  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystallization mechanism and properties of a blast furnace slag glass. <i>Journal of Non-Crystalline Solids</i> , 2000, 273, 64-75.	3.1	152
2	A test of the Hrubá parameter to estimate glass-forming ability. <i>Journal of Non-Crystalline Solids</i> , 1997, 219, 182-186.	3.1	77
3	Isothermal sintering with concurrent crystallization of polydispersed soda-lime-silica glass beads. <i>Journal of Non-Crystalline Solids</i> , 2003, 331, 145-156.	3.1	39
4	Non-isothermal sintering with concurrent crystallization of polydispersed soda-lime-silica glass beads. <i>Journal of Non-Crystalline Solids</i> , 2003, 331, 157-167.	3.1	35
5	Mechanical properties and porosity of dental glass-ceramics hot-pressed at different temperatures. <i>Materials Research</i> , 2008, 11, 301-306.	1.3	33
6	Effect of ion exchange on strength and slow crack growth of a dental porcelain. <i>Dental Materials</i> , 2009, 25, 736-743.	3.5	33
7	Effect of TiO <sub>2</sub> addition on the chemical durability of Bi <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> -ZnO-B <sub>2</sub> O <sub>3</sub> glass system. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 4777-4785.	3.1	31
8	Sintering polydispersed spherical glass particles. <i>Journal of Materials Research</i> , 2003, 18, 1347-1354.	2.6	23
9	Effect of temperature and heating rate on the sintering of leucite-based dental porcelains. <i>Ceramics International</i> , 2011, 37, 1073-1078.	4.8	21
10	Preparação de LiNbO <sub>3</sub> e LiNbO <sub>3</sub> :Eu <sup>3+</sup> pelo método dos precursores poliméricos. <i>Quimica Nova</i> , 2002, 25, 1067-1073.	0.3	15
11	Modification of Molten Steelmaking Slag for Cement Application. <i>Journal of Sustainable Metallurgy</i> , 2016, 2, 13-27.	2.3	15
12	Binding Mechanism in Green Iron Ore Pellets with an Organic Binder. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2020, 41, 247-254.	5.0	15
13	Nd-enriched particles prepared from NdFeB magnets: A potential separation route. <i>Journal of Alloys and Compounds</i> , 2014, 615, 410-414.	5.5	13
14	Impedance spectroscopy of a soda-lime glass during sintering. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 352, 232-239.	5.6	11
15	Crystallization of blast furnace slag glass melted in SnO <sub>2</sub> crucible. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 4062-4065.	3.1	10
16	Effect of fiber addition on slow crack growth of a dental porcelain. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 44, 85-95.	3.1	10
17	Corrosion of AZS and AZ crucibles in contact with a blast-furnace slag-based glass. <i>Materials Research Bulletin</i> , 2000, 35, 2503-2514.	5.2	7
18	Effect of ion-exchange temperature on mechanical properties of a dental porcelain. <i>Ceramics International</i> , 2010, 36, 1977-1981.	4.8	7

#	ARTICLE	IF	CITATIONS
19	An analysis of Brazilian sugarcane bagasse ash behavior under thermal gasification. Chemical and Biological Technologies in Agriculture, 2014, 1, .	4.6	6
20	Modification of Basic Oxygen Furnace Slag for Cement Manufacturing. Journal of Sustainable Metallurgy, 2017, 3, 720-728.	2.3	6
21	Evaluation of glass viscosity of dental bioceramics by the SciGlass information system. Ceramics International, 2015, 41, 10000-10009.	4.8	4
22	Modification of BOF Slag for Cement Manufacturing. , 2016, , 847-854.		3
23	Effect of niobia as an additive in phosphate-bonded alumina. Materials Research Bulletin, 1996, 31, 235-244.	5.2	2
24	Development of Y-TZP Pre-Sintered Blocks for CAD-CAM Machining of Dental Prostheses. Materials Science Forum, 2008, 591-593, 712-716.	0.3	1
25	Sintering of Commercial Leucite-Based Dental Porcelains. Materials Science Forum, 0, 591-593, 692-696.	0.3	1
26	Synthesis of Potassium Titanate Fibers for Friction Materials. Materials Science Forum, 0, 591-593, 755-759.	0.3	1
27	Production and Characterization of Porous Titanium Applied in Biomaterial. Materials Science Forum, 0, 899, 179-184.	0.3	1
28	Characterization of the Non-Polymeric Fraction of Post-Consumer LCD Monitor Housings. Materials Science Forum, 2018, 912, 218-223.	0.3	0
29	Treatment of Molten Steel Slag for Cement Application. , 2016, , 157-164.		0
30	Effect of Particle Geometry and Nb <sub>2</sub> O <sub>5</sub> Addition in the Sintering of Partially Stabilized Zirconia with Y <sub>2</sub> O <sub>3</sub> . Revista Ipt Tecnologia E Inovação, 0, 4, .	0.0	0