

Claudinei dos Santos

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

140
papers

800
citations

16
h-index

22
g-index

156
ext. papers

946
ext. citations

2.5
avg, IF

3.89
L-index

#	Paper	IF	Citations
140	Experimental analysis and numerical simulations of the mechanical properties of a (Ce,Y)-TZP/AlO/H6A ceramic composite containing coupled toughening mechanisms.. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022 , 129, 105171	4.1	0
139	Reactive Sintering of Al ₂ O ₃ /Al ₅ O ₁₂ Ceramic Composites Obtained by Direct Ink Writing. <i>Ceramics</i> , 2022 , 5, 1-12	1.7	0
138	Physical Properties and Color Stainability by Coffee and Red Wine of Opaque and High Translucency Zirconia Dental Ceramics after Hydrothermal Degradation. <i>International Journal of Biomaterials</i> , 2022 , 2022, 1-11	3.2	0
137	Shear-thinning sacrificial ink for fabrication of Biosilicate osteoconductive scaffolds by material extrusion 3D printing. <i>Materials Chemistry and Physics</i> , 2022 , 287, 126286	4.4	0
136	Effect of preheating and isothermal holding time on the crystallization, densification and properties of a sintered lithium silicate glass-ceramic. <i>Ceramics International</i> , 2021 , 48, 5590-5590	5.1	0
135	Microstructural Evolution and Electrochemical Behavior of Solution Treated, Hot Rolled and Aged MgDyZnZr Alloy. <i>Metals</i> , 2021 , 11, 1855	2.3	0
134	Development and characterization of alumina-toughened zirconia (ATZ) ceramic composites doped with a beneficiated rare-earth oxide extracted from natural ore. <i>Journal of Materials Research and Technology</i> , 2021 , 16, 451-451	5.5	0
133	Flexural strength of 3Y-TZP bioceramics obtained by direct write assembly as function of residual connected-porosity.. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 126, 105035	4.1	1
132	Mechanical properties of ceramic composites based on ZrO co-stabilized by YO-CeO reinforced with AlO platelets for dental implants. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 116, 104372	4.1	5
131	Mechanical properties and translucency of a multi-layered zirconia with color gradient for dental applications. <i>Ceramics International</i> , 2021 , 47, 301-309	5.1	5
130	Effect of the temperature on the mechanical properties and translucency of lithium silicate dental glass-ceramic. <i>Ceramics International</i> , 2021 , 47, 9933-9940	5.1	2
129	Optimizing the microstructure of a new machinable bioactive glass-ceramic. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 122, 104695	4.1	1
128	Mechanical properties of biocompatible Y-TZP/Al ₂ O ₃ composites obtained from mechanically alloyed powders. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020 , 42, 1	2	4
127	Preparation of TiC/TiB ₂ Composite by Sintering Mechanical Alloyed Ti-Si-C Powder Mixtures. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 4580-4586	1.3	2
126	Experimental analysis and finite element modeling of the piston-on-three balls testing of Y-TZP ceramic. <i>Ceramica</i> , 2020 , 66, 30-42	1	3
125	CoCrMo-base Alloys for Dental Applications Obtained by Selective laser melting (SLM) and CAD/CAM Milling. <i>Materials Research</i> , 2020 , 23,	1.5	2
124	Effects of Zn content on surface deformability and corrosion resistance of MgZnMnCa alloys. <i>International Journal of Materials Research</i> , 2020 , 111, 511-518	0.5	2

123	Effect of hydrothermal aging on the properties of zirconia with different levels of translucency. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 109, 103847	4.1	7
122	Effect of surface finishing and thickness on the translucency of zirconia dental ceramics. <i>Ceramics International</i> , 2020 , 46, 7748-7755	5.1	3
121	Development of dense Al ₂ O ₃ -TiO ₂ ceramic composites by the glass-infiltration of porous substrates prepared from mechanical alloyed powders. <i>Ceramics International</i> , 2020 , 46, 2344-2354	5.1	3
120	Influence of the microstructure on the life prediction of hydrothermal degraded 3Y-TZP bioceramics. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 10830-10840	5.5	3
119	Microstructure and corrosion behavior in SBF medium of spark plasma sintered Ti-xZr-20Si-10B (x = 5, 7, 10, 15, 20 at.-%) alloys. <i>Journal of Alloys and Compounds</i> , 2019 , 797, 1157-1162	5.7	5
118	Microstructure and Vickers hardness of mechanically alloyed and spark plasma sintered Ti-2Zn-22Si-11B and Ti-6Zn-22Si-11B alloys. <i>Journal of Alloys and Compounds</i> , 2019 , 794, 615-624	5.7	1
117	Influence of heat-treatment protocols on mechanical behavior of lithium silicate dental ceramics. <i>International Journal of Applied Ceramic Technology</i> , 2019 , 16, 1920-1931	2	9
116	Sintering behaviour of Co-28%Cr-6%Mo compacted blocks for dental prosthesis. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 2052-2062	5.5	3
115	Influence of CAD-CAM milling on the flexural strength of Y-TZP dental ceramics. <i>Ceramics International</i> , 2019 , 45, 10250-10259	5.1	2
114	Modeling of the Influence of Chemical Composition, Sintering Temperature, Density, and Thickness in the Light Transmittance of Four Zirconia Dental Prostheses. <i>Materials</i> , 2019 , 12,	3.5	6
113	Mechanical properties of lithium metasilicate after short-term thermal treatments. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 98, 179-186	4.1	9
112	State of the art in the use of bioceramics to elaborate 3D structures using robocasting 2019 , 2, 55		3
111	Roughness and its effects on flexural strength of dental yttria-stabilized zirconia ceramics. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 739, 149-157	5.3	16
110	HPHT sintering of binderless Si ₃ N ₄ : structure, microstructure, mechanical properties and machining behavior. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018 , 40, 1	2	2
109	Al ₂ O ₃ /Y-TZP ceramic composite with unidirectional functional gradient. <i>International Journal of Refractory Metals and Hard Materials</i> , 2018 , 75, 147-152	4.1	7
108	Characterization of Al ₂ O ₃ -Al ₂ TiO ₂ Ceramic Composites: Effects of Sintering Parameters on the Properties. <i>Materials Science Forum</i> , 2018 , 912, 118-123	0.4	2
107	Development and Characterization of Al ₂ O ₃ -ZrO ₂ Composites Using ZrO ₂ (Y ₂ O ₃)-Recycled as Raw Material. <i>Materials Science Forum</i> , 2018 , 912, 124-129	0.4	
106	Properties of Pre-Sintered ZrO ₂ (Y ₂ O ₃) Blocks Consolidated by Cold Isostatic Pressing. <i>Materials Science Forum</i> , 2018 , 912, 159-164	0.4	

105	Ceramics and Glass-Ceramics Dental Materials: Chemical Solubility, Cytotoxicity and Mechanical Properties. <i>Materials Science Forum</i> , 2018 , 912, 170-174	0.4	1
104	Bending strength and reliability of porcelains used in all-ceramic dental restorations. <i>Ceramica</i> , 2018 , 64, 491-497	1	1
103	Mechanical Alloying and Hot Pressing of Ti-Zr-Si-B Powder Mixtures. <i>Metals</i> , 2018 , 8, 82	2.3	1
102	ZrO ₂ Pre-Sintered Blocks (3%mol-Y ₂ O ₃) with Color Gradient for Dental Prostheses. <i>Materials Science Forum</i> , 2018 , 930, 57-62	0.4	
101	Effect of the Cooling Rate on the Properties of Veneer Porcelain for Zirconia Dental Prosthesis. <i>Materials Research</i> , 2017 , 20, 1418-1424	1.5	2
100	Use of Composite SiO ₂ (62-68)-MgO + CaO (29-39) in Ceramic Protection Mass Injection Machines in the Iron Notch and Liquid Slag Hole in Blast Furnaces. <i>Materials Science Forum</i> , 2016 , 881, 295-299	0.4	
99	Preparation and Characterization of Composites Obtained of Polymeric Waste Coming from Boards Electronic Equipment. <i>Materials Science Forum</i> , 2016 , 869, 338-341	0.4	
98	Densification and grain growth of nano- and micro-sized Y-TZP powders. <i>Ceramics International</i> , 2016 , 42, 2662-2669	5.1	7
97	Recovery of Tetragonal Phase from Previously Transformed Y-TZP. <i>Materials Research</i> , 2016 , 19, 829-833	1.5	4
96	Development of Al ₂ O ₃ Ceramics for Bottom of Sintering Impeller Furnace. <i>Materials Science Forum</i> , 2016 , 881, 91-96	0.4	
95	MgAl ₂ O ₄ -ZrO ₂ (Y ₂ O ₃) Ceramic Composite: Sintering and Characterization. <i>Materials Science Forum</i> , 2016 , 881, 323-328	0.4	
94	Properties of ZrO ₂ (Y ₂ O ₃) Used as Metal-Free Dental Restorations. <i>Materials Science Forum</i> , 2016 , 881, 181-186	0.4	
93	Infiltrated Spinel-Based Ceramic (MgAl ₂ O ₄) for Dental Application. <i>Materials Science Forum</i> , 2016 , 881, 176-180	0.4	
92	Mechanical Properties of Natural Fibers Reinforced Polymer Composites: Palm/Low Density Polyethylene. <i>Materials Science Forum</i> , 2016 , 869, 326-330	0.4	2
91	Biocide glass based on Nb ₂ O ₅ -SiO ₂ -CaO-Na ₂ O system. <i>Materials Letters</i> , 2016 , 183, 277-280	3.3	2
90	Effect of porosity on hardness of Al ₂ O ₃ -3Al ₅ O ₁₂ ceramic composite. <i>International Journal of Refractory Metals and Hard Materials</i> , 2015 , 48, 365-368	4.1	35
89	Mechanical Properties Evaluation of Al ₂ O ₃ -YAG Ceramic Composites. <i>Materials Science Forum</i> , 2015 , 820, 239-243	0.4	2
88	Propriedades de ZrO ₂ (Y ₂ O ₃) reciclado proveniente da confecção de próteses dentárias. <i>Revista Materia</i> , 2015 , 20, 975-981	0.8	

87	Sintering of alumina ceramics reinforced with a bioactive glass of 3CaO.P2O5-SiO2-MgO system. <i>Ceramica</i> , 2015 , 61, 160-167	1	2
86	Effect of air-abrasion regimens and fine diamond bur grinding on flexural strength, Weibull modulus and phase transformation of zirconium dioxide. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2015 , 13, e266-73	1.8	9
85	Oxidation behavior of LPS-SiC ceramics sintered with AlN/Y2O3 as additive. <i>International Journal of Refractory Metals and Hard Materials</i> , 2014 , 42, 246-254	4.1	6
84	Microstructural evidence of beryllium in commercial dental Ni-Cr alloys. <i>Materials Research</i> , 2014 , 17, 627-631	1.5	3
83	Effect of Particle Size of ZrO2(Y2O3) Powders on the Shrinkage of the Sintered Substrate with Coloring Gradient. <i>Advances in Science and Technology</i> , 2014 , 87, 162-168	0.1	2
82	Residual Thermal Stress of Spinell Based-Ceramic Infiltrated with Glass Rich in Lanthanum. <i>Advances in Science and Technology</i> , 2014 , 96, 67-72	0.1	
81	Reuse of ZrO2(Y2O3) Arising from Making Dental Implant - Characterization of Materials. <i>Materials Science Forum</i> , 2014 , 798-799, 632-637	0.4	0
80	Sintering of Al2O3-TiO2 Mixtures Obtained by High-Energy Ball Milling. <i>Advances in Science and Technology</i> , 2014 , 87, 157-161	0.1	2
79	Degradation and Mechanical Properties of Zirconia 3-Unit Fixed Dental Prostheses Machined on a CAD/CAM System. <i>International Journal of Applied Ceramic Technology</i> , 2014 , 11, 513-523	2	2
78	Characterization of Commercial Co-Cr-Alloy Powder Used in Selective Laser Sintering. <i>Materials Science Forum</i> , 2014 , 802, 329-333	0.4	
77	Effect of Ball-Powder Ratio in the High-Energy Milling of 66%Co-28%Cr-6%Mo Dental Alloy. <i>Materials Science Forum</i> , 2014 , 802, 56-60	0.4	0
76	Compaction of ZrO2(Y2O3) Powders with Different Particle Sizes and Effects on the Sintering. <i>Materials Science Forum</i> , 2014 , 798-799, 719-724	0.4	2
75	Microstructural Characterization of 66%Co-28%Cr-6%Mo Dental Alloy Powder Obtained by High-Energy Ball Milling. <i>Materials Science Forum</i> , 2014 , 802, 51-55	0.4	1
74	Selective Laser Sintering of Different Powders of Co-Cr-Mo. <i>Materials Science Forum</i> , 2014 , 802, 338-342	0.4	
73	Fatigue behavior of 3%Y2O3-doped ZrO2 ceramics. <i>Journal of Materials Research and Technology</i> , 2014 , 3, 48-54	5.5	12
72	Characterization of rare earth oxide-rich glass applied to the glass-infiltration of a ceramic system. <i>Ceramics International</i> , 2014 , 40, 1619-1625	5.1	3
71	Bioactivity and cytotoxicity of glass and glass-ceramics based on the 3CaO.P2O5-SiO2-MgO system. <i>Journal of Materials Science: Materials in Medicine</i> , 2013 , 24, 2171-80	4.5	14
70	Effects of extreme cooling methods on mechanical properties and shear bond strength of bilayered porcelain/3Y-TZP specimens. <i>Journal of Dentistry</i> , 2013 , 41, 356-62	4.8	13

69	Fatigue and subcritical crack growth in ZrO ₂ -Bioglass ceramics. <i>Ceramics International</i> , 2013 , 39, 2405-2414	3.3	5
68	Synthesis of a mixed-rare-earth aluminum garnet solid solution. <i>Materials Letters</i> , 2013 , 91, 283-286	3.3	5
67	Development and characterization of 3CaO·P ₂ O ₅ -SiO ₂ -MgO glass-ceramics with different crystallization degree. <i>Journal of Advanced Ceramics</i> , 2013 , 2, 378-388	10.7	3
66	Evaluation of the micro-hardness and fracture toughness of amorphous and partially crystallized 3CaO·P ₂ O ₅ -SiO ₂ -MgO bioglasses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 533, 26-32	5.3	13
65	Evaluation of Mechanical Properties of Dental Feldspathic Porcelains for Metal and Zirconia Core. <i>Materials Science Forum</i> , 2012 , 727-728, 1104-1107	0.4	
64	Effect of partial crystallization on the mechanical properties and cytotoxicity of bioactive glass from the 3CaO.P(2)O(5)-SiO(2)-MgO system. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2012 , 14, 78-88	4.1	24
63	Influence of CAD/CAM Grinding in the Performance of Sintered Dental Zirconia Framework. <i>Materials Science Forum</i> , 2012 , 727-728, 1081-1084	0.4	
62	Effect of Glassy Phase Additions to Zirconia on its Sintering Behavior and Microstructure. <i>Materials Science Forum</i> , 2012 , 727-728, 935-939	0.4	
61	Lithium Disilicate Bioceramic Obtained from Alternative Silica Source, the Rice Husk. <i>Materials Science Forum</i> , 2012 , 727-728, 1158-1163	0.4	
60	Degradation of Y ₂ O ₃ -Stabilized ZrO ₂ Ceramics in Artificial Saliva: ICP Analysis of Dissolved Y ³⁺ and Zr ⁴⁺ Ions. <i>Materials Science Forum</i> , 2012 , 727-728, 1136-1141	0.4	5
59	Evaluation of the Influence of the Silane Drying Temperature on the Feldspar and Zirconia-Based Ceramics Surfaces. <i>Materials Science Forum</i> , 2012 , 727-728, 826-830	0.4	1
58	Effect of Surface Treatment of Yttria Stabilized Zirconia for Dental Prostheses. <i>Materials Science Forum</i> , 2012 , 727-728, 831-836	0.4	
57	Efficiency Evaluation of ZrB ₂ Incorporation in the MgB ₂ Matrix Phase Using High-Energy Milling. <i>Materials Science Forum</i> , 2010 , 660-661, 82-87	0.4	3
56	Mechanical Behaviour of ZrO ₂ -Bioglass Dental Ceramics under Cyclic Fatigue Loading. <i>Materials Science Forum</i> , 2010 , 636-637, 47-53	0.4	2
55	Influence of the Sintering Conditions on the Mechanical Properties of Nanosized TZP Ceramics. <i>Materials Science Forum</i> , 2010 , 660-661, 826-831	0.4	3
54	Improvement of the Mechanical Properties of Glasses Based on the 3CaO.P ₂ O ₅ -SiO ₂ -MgO System after Heat-Treatment. <i>Materials Science Forum</i> , 2010 , 636-637, 41-46	0.4	2
53	Lithium Disilicate Glass-Ceramic Obtained from Rice Husk-Based Silica. <i>Advances in Science and Technology</i> , 2010 , 63, 414-419	0.1	2
52	102213 Use of High Energy Ball Milling on the Sintering Optimization of Alumina Ceramics. <i>Materials Science Forum</i> , 2010 , 660-661, 701-706	0.4	

51	Obtaining and stability verification of superconducting phases of the Nb δ Al and Nb δ N systems by mechanical alloying and low-temperature heat treatments. <i>Journal of Alloys and Compounds</i> , 2010 , 491, 187-191	5.7	7
50	Effect of pH and Fluoride on Behavior of Dental ZrO ₂ Ceramics in Artificial Saliva. <i>Materials Science Forum</i> , 2010 , 660-661, 879-884	0.4	3
49	Strength improvement of LPS δ SiC ceramics by oxidation treatment. <i>International Journal of Refractory Metals and Hard Materials</i> , 2010 , 28, 484-488	4.1	11
48	Creep of heat treated silicon nitride with neodymium and yttrium oxides additions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 6893-6898	5.3	4
47	Properties of Y-TZP/Al ₂ O ₃ ceramic nanocomposites obtained by high-energy ball milling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 502, 6-12	5.3	33
46	Crystallographic characterization of silicon nitride ceramics sintered with Y ₂ O ₃ δ Al ₂ O ₃ or E ₂ O ₃ δ Al ₂ O ₃ additions. <i>Ceramics International</i> , 2009 , 35, 289-293	5.1	6
45	Mechanical properties and cytotoxicity of 3Y-TZP bioceramics reinforced with Al ₂ O ₃ particles. <i>Ceramics International</i> , 2009 , 35, 709-718	5.1	30
44	Mechanical properties of hot-pressed ZrO ₂ δ NbC ceramic composites. <i>International Journal of Refractory Metals and Hard Materials</i> , 2008 , 26, 14-18	4.1	23
43	Characterization of ZrO ₂ and Al ₂ O ₃ Bioceramics Obtained by Gelcasting. <i>Materials Science Forum</i> , 2008 , 591-593, 482-486	0.4	
42	Fatigue of Zirconia - Bioglass Dental Ceramics. <i>Materials Science Forum</i> , 2008 , 591-593, 628-633	0.4	2
41	Evaluation of Silicon Nitride Ceramic Cutting Tools with Diamond Coatings. <i>Materials Science Forum</i> , 2008 , 591-593, 537-542	0.4	0
40	High and Room Temperature Mechanical Evaluation of SiC Ceramics with Alumina and Rare Earth Oxides Additions. <i>Materials Science Forum</i> , 2008 , 591-593, 593-597	0.4	1
39	High Temperature Properties of Silicon Nitride with Neodymium Oxide Additions. <i>Materials Science Forum</i> , 2008 , 591-593, 560-564	0.4	0
38	Oxidation of Silicon Carbide Ceramics Obtained by Liquid Phase Sintering. <i>Materials Science Forum</i> , 2008 , 591-593, 616-619	0.4	
37	Properties of Nanostructured 3Y-TZP Blocks Used for CAD/CAM Dental Restoration. <i>Key Engineering Materials</i> , 2008 , 396-398, 603-606	0.4	1
36	Silicon Carbide Whiskers Interference on Silicon Nitride Based Composite. <i>Materials Science Forum</i> , 2008 , 591-593, 543-547	0.4	
35	Microstructural Evaluation of the Zirconia Plasma Sprayed Coating on Ti-6Al-4V Alloy after Creep Test. <i>Materials Science Forum</i> , 2008 , 591-593, 839-844	0.4	
34	Performance of 3Y-TZP bioceramics under cyclic fatigue loading. <i>Materials Research</i> , 2008 , 11, 89-92	1.5	12

33	Estudo da oxidaçã de cerâmicas base de carvão de silício sinterizado via fase líquida utilizando nitreto de alumínio e óxido de zircônio como aditivos. <i>Ceramica</i> , 2008 , 54, 198-202	1	
32	Silicon nitride compressive creep behavior in argon atmosphere. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 485, 422-427	5.3	1
31	Mechanical properties of Y-TPZ ceramics obtained by liquid phase sintering using bioglass as additive. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 478, 257-263	5.3	22
30	Toughened ZrO ₂ ceramics sintered with a La ₂ O ₃ -rich glass as additive. <i>Journal of Materials Processing Technology</i> , 2008 , 200, 126-132	5.3	14
29	Characterization of ceramic powders used in the inCeram systems to fixed dental Prosthesis. <i>Materials Research</i> , 2007 , 10, 47-51	1.5	4
28	Highly dense Si ₃ N ₄ crucibles used for Al casting: An investigation of the aluminum-ceramic interface at high temperatures. <i>Journal of Materials Processing Technology</i> , 2007 , 184, 108-114	5.3	8
27	SiALON-SiC composites obtained by gas-pressure sintering and hot-pressing. <i>Journal of Materials Processing Technology</i> , 2007 , 189, 138-142	5.3	18
26	Development of SiALON-SiC ceramic composites by liquid phase sintering. <i>International Journal of Refractory Metals and Hard Materials</i> , 2007 , 25, 77-81	4.1	21
25	Properties of ZrO ₂ -Al ₂ O ₃ composite as a function of isothermal holding time. <i>International Journal of Refractory Metals and Hard Materials</i> , 2007 , 25, 374-379	4.1	42
24	Development and cytotoxicity evaluation of SiALONs ceramics. <i>Materials Science and Engineering C</i> , 2007 , 27, 148-153	8.3	20
23	Sinterizaçã e propriedades mecânicas do compósito Y-TZP/Al ₂ O ₃ . <i>Ceramica</i> , 2007 , 53, 227-233	1	2
22	Effect of Isothermal Sintering Time on the Properties of the Ceramic Composite ZrO ₂ -Al ₂ O ₃ . <i>Materials Science Forum</i> , 2006 , 530-531, 526-531	0.4	1
21	Effect of Al ₂ O ₃ Addition on the Mechanical Properties of Biocompatible ZrO ₂ -Al ₂ O ₃ Composites. <i>Materials Science Forum</i> , 2006 , 530-531, 575-580	0.4	3
20	Microstructural Variations in SiC Ceramics Sintered with AlN-Y ₂ O ₃ . <i>Materials Science Forum</i> , 2006 , 530-531, 532-537	0.4	2
19	A contribution of X ray diffraction analysis in the determination of creep of Si ₃ N ₄ ceramics. <i>Materials Research</i> , 2006 , 9, 1-8	1.5	7
18	Development and characterization by HRTEM of hot-pressed Si ₃ N ₄ -SiC(w) composites. <i>Journal of Materials Processing Technology</i> , 2005 , 169, 445-451	5.3	15
17	Compressive creep behavior of hot-pressed Si ₃ N ₄ ceramics using alumina and a rare earth solid solution as additives. <i>International Journal of Refractory Metals and Hard Materials</i> , 2005 , 23, 183-192	4.1	3
16	Stabilization of SiALONs using a rare-earth mixed oxide (RE ₂ O ₃) as sintering additive. <i>Materials Research Bulletin</i> , 2005 , 40, 1094-1103	5.1	28

15	Anisotropia no comportamento flutuante de cerâmicas base de Si ₃ N ₄ prensadas quente. <i>Ceramica</i> , 2005 , 51, 96-101	1	1
14	Estudo do nitreto de alumínio para aplicações termo-mecânicas. <i>Ceramica</i> , 2005 , 51, 349-353	1	1
13	Oxidation Behavior of Hot-Pressed Si ₃ N ₄ Ceramics Using CRE ₂ O ₃ -AlN and CRE ₂ O ₃ -Al ₂ O ₃ as Sintering Additives. <i>Materials Science Forum</i> , 2005 , 498-499, 569-574	0.4	2
12	Compressive Creep of Hot-Pressed Si ₃ N ₄ Ceramics Using CRE ₂ O ₃ -Al ₂ O ₃ or CRE ₂ O ₃ -AlN Additive Mixtures. <i>Materials Science Forum</i> , 2005 , 498-499, 104-110	0.4	
11	Creep Behavior of Multi-Cation SiALON Partially Stabilized Produced with an Yttrium-Rare Earth Oxide Mixture(CRE ₂ O ₃). <i>Materials Science Forum</i> , 2005 , 498-499, 575-580	0.4	
10	Caracterização estrutural por difração de raios X de alta resolução de SiALONs sinterizados com diferentes aditivos. <i>Ceramica</i> , 2005 , 51, 313-317	1	1
9	Compressive creep behavior of hot-pressed Si ₃ N ₄ -CRE ₂ O ₃ -Al ₂ O ₃ ceramics. <i>Materials Research Bulletin</i> , 2004 , 39, 1279-1289	5.1	5
8	Properties of hot-pressed, partially stabilized CRE-SiALONs as a function of the additive content. <i>International Journal of Refractory Metals and Hard Materials</i> , 2004 , 22, 79-85	4.1	7
7	Ceramics composites Si ₃ N ₄ -SiC(w) containing rare earth concentrate (CRE) as sintering aids. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 367, 312-316	5.3	16
6	Influence of additive content on the anisotropy in hot-pressed Si ₃ N ₄ ceramics using grain orientation measurements. <i>Ceramics International</i> , 2004 , 30, 653-659	5.1	17
5	SiALON ceramics with elongated grain morphology using an alternative sintering additive. <i>Materials Letters</i> , 2004 , 58, 1792-1796	3.3	28
4	Evaluation of the reliability of Si ₃ N ₄ -Al ₂ O ₃ -CRE ₂ O ₃ ceramics through Weibull analysis. <i>Materials Research</i> , 2003 , 6, 463-467	1.5	12
3	Mechanical properties evaluation of hot-pressed Si ₃ N ₄ -SiC(w) composites. <i>International Journal of Refractory Metals and Hard Materials</i> , 2003 , 21, 233-239	4.1	16
2	Mechanical properties improvement related to the isothermal holding time in Si ₃ N ₄ ceramics sintered with an alternative additive. <i>International Journal of Refractory Metals and Hard Materials</i> , 2003 , 21, 245-250	4.1	18
1	Substitution of pure Y ₂ O ₃ by a mixed concentrate of rare earth oxides (CRE ₂ O ₃) as sintering additive of Si ₃ N ₄ : a comparative study of the mechanical properties. <i>Journal of Materials Processing Technology</i> , 2003 , 142, 697-701	5.3	19