Marcello Rubens Barsi Andreeta

List of Publications by Year
in descending order

65 papers	674 citations	623734 14 h-index	713466 21 g-index
65 all docs	65 docs citations	65 times ranked	736 citing authors

#	Article	IF	Citations
1	Bubble generation in refractory porous plugs: The role of the ceramic surface composition. International Journal of Ceramic Engineering & Science, 2022, 4, 199-210.	1.2	3
2	Oriented Crystal Growth of La_{0.557}Li_{0.330}TiO₃ in Bulk Ceramics Induced by LaAlO₃ Single-Crystal Fibers. Crystal Growth and Design, 2021, 21, 2093-2100.	3.0	3
3	Viscosity and liquidusâ€based predictor of glassâ€forming ability of oxide glasses. Journal of the American Ceramic Society, 2020, 103, 921-932.	3.8	29
4	Characterization of lithium diborate, sodium diborate and commercial soda-lime glass exposed to gamma radiation via linearity analyses. Radiation Physics and Chemistry, 2019, 155, 133-137.	2.8	4
5	Innovative Design for the Enhancement of Lithium Lanthanum Titanate Electrolytes. Crystal Growth and Design, 2019, 19, 4897-4901.	3.0	8
6	Laser-heated crystallization of eutectic composition glass. CrystEngComm, 2019, 21, 3915-3918.	2.6	2
7	CO2 laser for dental alumina ceramic framework welding. Brazilian Dental Science, 2019, 22, 520-527.	0.4	1
8	YSZ/Al2O3 multilayer thick films deposited by spin coating using ceramic suspensions on Al2O3 polycrystalline substrate. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2018, 228, 60-66.	3.5	10
9	Lithium diborate glass for high-dose dosimetry using the UV-Vis and FTIR spectrophotometry techniques. Radiation Measurements, 2017, 106, 225-228.	1.4	4
10	Influence of curing protocol and ceramic composition on the degree of conversion of resin cement. Journal of Applied Oral Science, 2017, 25, 700-707.	1.8	14
11	Microstructural, structural and optical properties of nanoparticles of PbO-CrO3 pigment synthesized by a soft route. Ceramica, 2015, 61, 118-125.	0.8	4
12	Dynamics of the incorporation of Co into the wurtzite ZnO matrix and its magnetic properties. Journal of Alloys and Compounds, 2015, 637, 407-417.	5.5	16
13	Surface treatment of dental porcelain: CO2 laser as an alternative to oven glaze. Lasers in Medical Science, 2015, 30, 661-667.	2.1	3
14	Optical phonon characteristics of an orthorhombic-transformed polymorph of CaTa₂O₆single crystal fibre. Materials Research Express, 2014, 1, 016304.	1.6	3
15	Resonance Raman spectroscopy of NdAlO3 single-crystal fibers grown by the laser-heated pedestal growth technique. Vibrational Spectroscopy, 2014, 73, 144-149.	2.2	9
16	Polymorphic-Induced Transformations in CaTa₂O₆ Single-Crystal Fibers Obtained by Laser-Heated Pedestal Growth. Crystal Growth and Design, 2013, 13, 5289-5294.	3.0	4
17	Sintering dental porcelain with CO2 laser: porosity and mechanical characterization. CiÃªncia OdontolÃ³gica Brasileira, 2013, 16, .	0.0	2
18	Superficial treatment of porcelain with laser: Diffractometry and mechanical characterization. Dental Materials, 2012, 28, e35-e36.	3.5	0

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19	Bidimensional codes recorded on an oxide glass surface using a continuous wave CO2laser. Journal of Micromechanics and Microengineering, 2011, 21, 025004.	2.6	12
20	Micro Far-Infrared Reflectivity of CaNb₂O₆ Single Crystal Fibers Grown by the Laser-Heated Pedestal Growth Technique. Crystal Growth and Design, 2011, 11, 3472-3478.	3.0	16
21	Raman and Infrared Phonon Features in a Designed Cubic Polymorph of CaTa₂O₆. Crystal Growth and Design, 2011, 11, 5567-5573.	3.0	14
22	Growth and magnetic properties of bulk electron doped La_{0.7}Ce_{0.3}MnO₃ manganites. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 1704-1707.	1.8	5
23	Effect of Eu2O3 doping on Ta2O5 crystal growth by the laser-heated pedestal technique. Journal of Crystal Growth, 2010, 313, 62-67.	1.5	7
24	Bismuth germanate films prepared by Pechini method. Optical Materials, 2010, 32, 1286-1290.	3.6	13
25	The role of quantum confinement and crystalline structure on excitonic lifetimes in silicon nanoclusters. Journal of Applied Physics, 2010, 108, 013105.	2.5	15
26	Polarized Micro-Raman Scattering of CaNb₂O₆ Single Crystal Fibers Obtained by Laser Heated Pedestal Growth. Crystal Growth and Design, 2010, 10, 1569-1573.	3.0	25
27	Influence of ceria addition on thermal properties and local structure of bismuth germanate glasses. Journal of Non-Crystalline Solids, 2010, 356, 2942-2946.	3.1	32
28	Laser-Heated Pedestal Growth of Oxide Fibers. , 2010, , 393-432.		13
29	Structural and optical properties on thulium-doped LHPG-grown Ta2O5 fibres. Microelectronics Journal, 2009, 40, 309-312.	2.0	10
30	Simple optical apparatus for trepanning and percussion microdrilling using pulsed green Nd:YAG laser. Laser Physics, 2009, 19, 2045-2049.	1.2	5
31	Brittle and ductile removal modes observed during diamond turning of carbon nanotube composites. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2009, 223, 1-8.	2.4	3
32	Thermal analysis and structural investigation of different dental composite resins. Journal of Thermal Analysis and Calorimetry, 2008, 94, 791-796.	3.6	27
33	Microwave dielectric permittivity and photoluminescence of Eu2O3 doped laser heated pedestal growth Ta2O5 fibers. Applied Physics Letters, 2008, 92, 252904.	3.3	6
34	Surface modification and crystallization of the BaOâ€“B2O3â€“SiO2 glassy system using CO2 laser irradiation. Journal of Non-Crystalline Solids, 2008, 354, 279-283.	3.1	7
35	Anisotropy on SrTiO3 templated textured PMNâ€“PT monolithic ceramics. Journal of the European Ceramic Society, 2007, 27, 2463-2469.	5.7	21
36	Laser induced modification on 40BaOâ€“45B2O3â€“15TiO2 glass composition. Journal of Non-Crystalline Solids, 2006, 352, 3398-3403.	3.1	11

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37	Transparent and inclusion-free RE1â^'xLaxVO4 (RE=Gd, Y) single crystal fibers grown by LHPG technique. Journal of Crystal Growth, 2006, 291, 117-122.	1.5	10
38	1.8Î¼m emission and excited state absorption in LHPG grown Gd0.8La0.2VO4:Tm3+ single crystal fibers for miniature lasers. Optical Materials, 2006, 28, 551-555.	3.6	10
39	Laser-heated pedestal growth of colorless single crystal fiber. Journal of Crystal Growth, 2005, 275, e757-e761.	1.5	10
40	Microwave dielectric relaxation process in doped-incipient ferroelectrics. Journal of the European Ceramic Society, 2005, 25, 2563-2566.	5.7	9
41	Polarized Micro-Raman Spectroscopy of Ba(Mg1/3Nb2/3)O3 Single Crystal Fibers. Crystal Growth and Design, 2005, 5, 1457-1462.	3.0	24
42	Current-induced Conductance Jumps in Mechanically Controllable Junctions of La0.7Sr0.3MnO3 Manganites. European Physical Journal D, 2004, 54, 39-42.	0.4	1
43	Growth and characterization of Nd-doped SBN single crystal fibers. Applied Physics A: Materials Science and Processing, 2004, 78, 1037-1042.	2.3	7
44	Multiwavelength laser action of Nd3+:YAlO3 single crystals grown by the laser heated pedestal growth method. Optical Materials, 2004, 24, 643-650.	3.6	20
45	Physical properties of single-crystalline fibers of the colossal-magnetoresistance manganite La0.7Ca0.3MnO3. Applied Physics Letters, 2003, 83, 3135-3137.	3.3	8
46	Automatic diameter control system applied to the laser heated pedestal growth technique. Materials Research, 2003, 6, 107-110.	1.3	11
47	Near-infrared and upconversion properties of neodymium-doped RE0.8La0.2VO4(RE Â Y, Gd) single-crystal fibres grown by the laser-heated pedestal growth technique. Journal of Physics Condensed Matter, 2002, 14, 13889-13897.	1.8	6
48	SolidificaÃ§Ã£o direcional do eutÃ©tico Al2O3/GdAlO3 por fusÃ£o a laser. Ceramica, 2002, 48, 29-33.	0.8	3
49	Thermal gradient control at the solidâ€"liquid interface in the laser-heated pedestal growth technique. Journal of Crystal Growth, 2002, 234, 759-761.	1.5	12
50	Laser heated pedestal growth of Al2O3/GdAlO3 eutectic fibers. Journal of Crystal Growth, 2002, 234, 782-785.	1.5	46
51	Periodic doping in single crystal fibers grown by laser-heated pedestal growth technique. Journal of Crystal Growth, 2002, 242, 395-399.	1.5	3
52	Photoluminescence spectrum of rare earth doped zirconia fibre and power excitation dependence. Radiation Effects and Defects in Solids, 1999, 149, 153-157.	1.2	7
53	Laser heated pedestal growth of orthorhombic SrHfO3 single crystal fiber. Journal of Crystal Growth, 1999, 200, 621-624.	1.5	19
54	Optical activity measurements in the photorefractive Bi12TiO20 single crystal fibers. Optical Materials, 1998, 10, 201-205.	3.6	14

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55	On the upconversion emission of rare earth doped zirconia fiber. Radiation Effects and Defects in Solids, 1998, 147, 77-81.	1.2	4
56	Single-crystal SrTiO3 fiber grown by laser heated pedestal growth method: influence of ceramic feed rod preparation in fiber quality. Materials Research, 1998, 1, 11-17.	1.3	11
57	Electron spin resonance study of Fe3+ in LiNbO3 single crystals: Bulk and fibres. Solid State Communications, 1997, 103, 61-64.	1.9	6
58	Laser heated pedestal growth of Sr2RuO4 single-crystal fibers from SrRuO3. Journal of Crystal Growth, 1997, 177, 52-56.	1.5	9
59	SrTiO3 single crystal fibers grown by laser-heated pedestal growth (LHPG). Ferroelectrics, 1996, 186, 141-144.	0.6	2
60	Single-crystal growth of Sr2RuO4by laser-heated pedestal growth (LHPG). Acta Crystallographica Section A: Foundations and Advances, 1996, 52, C512-C512.	0.3	0
61	The relation between temperature gradients and structural perfection of single-crystal Bi12SiO20 and Bi12TiO20 fibers grown by the LHPG method. Optical Materials, 1995, 4, 433-436.	3.6	2
62	The influence of temperature gradients on structural perfection of single-crystal sillenite fibers grown by the LHPG method. Optical Materials, 1995, 4, 521-527.	3.6	9
63	Microstructure of single-crystal sillenite fibers. Radiation Effects and Defects in Solids, 1995, 134, 209-211.	1.2	1
64	Growth of single-crystal photorefractive fibers of Bi12SiO20 and Bi12TiO20 by the laser-heated pedestal growth method. Journal of Crystal Growth, 1994, 137, 528-534.	1.5	32
65	Two-wave mixing in photorefractive Bi_12SiO_20 fibers. Optics Letters, 1993, 18, 690.	3.3	17