JosÃ© Mf Ferreira

List of Publications by Year
in descending order

489 papers	18,700 citations	10956 71 h-index	32761 100 g-index
500 all docs	500 docs citations	500 times ranked	14753 citing authors

#	Article	IF	Citations
1	Processing of porous ceramics by â€˜starch consolidationâ€™. Journal of the European Ceramic Society, 1998, 18, 131-140.	2.8	445
2	An in vitro biological and anti-bacterial study on a solâ€“gel derived silver-incorporated bioglass system. Dental Materials, 2008, 24, 1343-1351.	1.6	231
3	Development and in vitro characterization of solâ€“gel derived CaOâ€“P2O5â€“SiO2â€“ZnO bioglass. Acta Biomaterialia, 2007, 3, 255-262.	4.1	207
4	Bioactive Glasses and Glass-Ceramics for Healthcare Applications in Bone Regeneration and Tissue Engineering. Materials, 2018, 11, 2530.	1.3	196
5	Preparation and characterization of foams from sheet glass and fly ash using carbonates as foaming agents. Ceramics International, 2009, 35, 229-235.	2.3	188
6	Scaffolds for bone restoration from cuttlefish. Bone, 2005, 37, 850-857.	1.4	186
7	Cationic Substitutions in Hydroxyapatite: Current Status of the Derived Biofunctional Effects and Their In Vitro Interrogation Methods. Materials, 2018, 11, 2081.	1.3	179
8	Influence of particle size distribution on rheology and particle packing of silica-based suspensions. Powder Technology, 2004, 139, 69-75.	2.1	173
9	Structural analysis and devitrification of glasses based on the CaOâ€“MgOâ€“SiO2 system with B2O3, Na2O, CaF2 and P2O5 additives. Journal of Non-Crystalline Solids, 2006, 352, 322-328.	1.5	166
10	Hydrothermal Synthesis of Nanosized Titania Powders: Influence of Peptization and Peptizing Agents on the Crystalline Phases and Phase Transitions. Journal of the American Ceramic Society, 2000, 83, 1361-1368.	1.9	161
11	Formation of hydroxyapatite onto glasses of the CaOâ€“MgOâ€“SiO2 system with B2O3, Na2O, CaF2 and P2O5 additives. Biomaterials, 2006, 27, 1832-1840.	5.7	155
12	Corrosion aspects of metallic implants â€” An overview. Materials and Corrosion - Werkstoffe Und Korrosion, 2008, 59, 855-869.	0.8	154
13	Physicochemical Mechanism for the Continuous Reaction of ?-Al2O3-Modified Aluminum Powder with Water. Journal of the American Ceramic Society, 2007, 90, 1521-1526.	1.9	147
14	Thermal conductivity of highly porous mullite material. Acta Materialia, 2005, 53, 3313-3318.	3.8	145
15	Combustion synthesis of ternary carbide Ti3AlC2 in Tiâ€“Alâ€“C system. Journal of the European Ceramic Society, 2003, 23, 567-574.	2.8	143
16	Effects of rare-earth (Er, La and Yb) doping on morphology and structure properties of ZnO nanostructures prepared by wet chemical method. Ceramics International, 2014, 40, 523-529.	2.3	143
17	Robocasting of 45S5 bioactive glass scaffolds for bone tissue engineering. Journal of the European Ceramic Society, 2014, 34, 107-118.	2.8	136
18	Wood-cement composites: a review. European Journal of Wood and Wood Products, 2004, 62, 370-377.	1.3	135

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19	Synthesis and characterization of magnesium substituted biphasic mixtures of controlled hydroxyapatite/Î²-tricalcium phosphate ratios. Journal of Solid State Chemistry, 2005, 178, 3190-3196.	1.4	133
20	Hydrogenâ€Generation Materials for Portable Applications. Journal of the American Ceramic Society, 2008, 91, 3825-3834.	1.9	132
21	Incorporation of wastes from granite rock cutting and polishing industries to produce roof tiles. Journal of the European Ceramic Society, 2009, 29, 23-30.	2.8	130
22	Ionic Substitutions in Biphasic Hydroxyapatite and Î²â€Tricalcium Phosphate Mixtures: Structural Analysis by Rietveld Refinement. Journal of the American Ceramic Society, 2008, 91, 1-12.	1.9	129
23	Synthesis and structural characterization of strontium- and magnesium-co-substituted Î²-tricalcium phosphate. Acta Biomaterialia, 2010, 6, 571-576.	4.1	123
24	Incorporation of granite cutting sludge in industrial porcelain tile formulations. Journal of the European Ceramic Society, 2004, 24, 3177-3185.	2.8	121
25	Hydrothermal synthesis of TiO2 nanopowders from tetraalkylammonium hydroxide peptized sols. Materials Science and Engineering C, 2001, 15, 183-185.	3.8	117
26	Hydroxyapatite nano-powders produced hydrothermally from nacreous material. Journal of the European Ceramic Society, 2006, 26, 3639-3646.	2.8	117
27	Synthesis of glassâ€“ceramics in the CaOâ€“MgOâ€“SiO2 system with B2O3, P2O5, Na2O and CaF2 additives. Journal of the European Ceramic Society, 2006, 26, 1463-1471.	2.8	116
28	Non-isothermal crystallization kinetic studies on MgOâ€“Al2O3â€“SiO2â€“TiO2 glass. Journal of Non-Crystalline Solids, 2007, 353, 2383-2391.	1.5	114
29	Modification of Surface Charge Properties during Kaolinite to Halloysite-7Ã... Transformation. Journal of Colloid and Interface Science, 1999, 210, 360-366.	5.0	108
30	Er doped ZnO nanoplates: Synthesis, optical and dielectric properties. Ceramics International, 2014, 40, 1635-1639.	2.3	108
31	Suitability evaluation of solâ€“gel derived Si-substituted hydroxyapatite for dental and maxillofacial applications through in vitro osteoblasts response. Dental Materials, 2008, 24, 1374-1380.	1.6	105
32	Composite and Nanocomposite Metal Foams. Materials, 2016, 9, 79.	1.3	102
33	Processing of porous cordierite bodies by starch consolidation. Materials Research Bulletin, 1998, 33, 1439-1448.	2.7	98
34	Sol gel derived SiO2-CaO-MgO-P2O5 bioglass systemâ”Preparation andin vitro characterization. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2007, 83B, 546-553.	1.6	98
35	Influence of strontium on structure, sintering and biodegradation behaviour of CaOâ€“MgOâ€“SrOâ€“SiO2â€“P2O5â€“CaF2 glasses. Acta Biomaterialia, 2011, 7, 4071-4080.	4.1	98
36	Synthesis and Mechanical Performance of Biological-like Hydroxyapatites. Chemistry of Materials, 2006, 18, 2181-2186.	3.2	97

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37	Manufacturing and bending behaviour of in situ foam-filled aluminium alloy tubes. Materials & Design, 2015, 66, 532-544.	5.1	97
38	Alkali-free bioactive glasses for bone tissue engineering: A preliminary investigation. Acta Biomaterialia, 2012, 8, 361-372.	4.1	96
39	Synthesis and Thermal Stability of Hydroxyapatiteâ^Î²-Tricalcium Phosphate Composites with Cosubstituted Sodium, Magnesium, and Fluorine. Chemistry of Materials, 2006, 18, 198-203.	3.2	95
40	Hydrothermal Synthesis of Nanosized Titania Powders: Influence of Tetraalkyl Ammonium Hydroxides on Particle Characteristics. Journal of the American Ceramic Society, 2001, 84, 1696-1702.	1.9	94
41	Mechanically stable antimicrobial chitosanâ€“PVAâ€“silver nanocomposite coatings deposited on titanium implants. Carbohydrate Polymers, 2015, 121, 37-48.	5.1	94
42	Nucleation and crystal growth in commercial LAS compositions. Journal of the European Ceramic Society, 2001, 21, 1187-1194.	2.8	93
43	A simple recipe for direct writing complex 45S5 BioglassÂ® 3D scaffolds. Materials Letters, 2013, 93, 68-71.	1.3	93
44	Porous bioactive calcium carbonate implants processed by starch consolidation. Materials Science and Engineering C, 2000, 11, 35-40.	3.8	92
45	Impedance analysis of 0.5Ba(Zr0.2Ti0.8)O3â€“0.5(Ba0.7Ca0.3)TiO3 ceramics consolidated from micro-granules. Ceramics International, 2014, 40, 10593-10600.	2.3	92
46	Influence of the stabilising mechanism and solid loading on slip casting of alumina. Journal of the European Ceramic Society, 1998, 18, 479-486.	2.8	91
47	Dielectrical Properties of CeO2 Nanoparticles at Different Temperatures. PLoS ONE, 2015, 10, e0122989.	1.1	91
48	Fluorine-substituted hydroxyapatite scaffolds hydrothermally grown from aragonitic cuttlefish bones. Acta Biomaterialia, 2007, 3, 243-249.	4.1	90
49	Aluminosilicate-based sealants for SOFCs and other electrochemical applicationsÂâ^' A brief review. Journal of Power Sources, 2013, 242, 486-502.	4.0	90
50	Structural and dielectric properties of Al-doped ZnO nanostructures. Ceramics International, 2014, 40, 6031-6036.	2.3	88
51	Fabrication of hydroxyapatite bodies by uniaxial pressing from a precipitated powder. Biomaterials, 2001, 22, 583-588.	5.7	87
52	Synthesis, mechanical and biological characterization of ionic doped carbonated hydroxyapatite/Î²-tricalcium phosphate mixtures. Acta Biomaterialia, 2011, 7, 1835-1843.	4.1	87
53	The structural and optical constants of Ag2S semiconductor nanostructure in the Far-Infrared. Chemistry Central Journal, 2015, 9, 28.	2.6	87
54	On the Titania Phase Transition by Zirconia Additive in a Sol-Gel-Derived Powder. Materials Research Bulletin, 1998, 33, 389-394.	2.7	86

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55	Hydroxyapatite ceramic bodies with tailored mechanical properties for different applications. Journal of Biomedical Materials Research Part B, 2002, 60, 159-166.	3.0	86
56	Fabrication of Highly Porous Mullite Materials. Journal of the American Ceramic Society, 2005, 88, 777-779.	1.9	83
57	Synthesis and thermal stability of potassium substituted hydroxyapatites and hydroxyapatite/Î²-tricalciumphosphate mixtures. Ceramics International, 2007, 33, 1489-1494.	2.3	82
58	Influence of particle size distribution on colloidal processing of alumina. Journal of the European Ceramic Society, 1998, 18, 249-253.	2.8	80
59	The effect of Cr2O3 addition on crystallization and properties of La2O3-containing diopside glass-ceramics. Acta Materialia, 2008, 56, 3065-3076.	3.8	80
60	Effect of sintering temperature on mechanical and microstructural properties of bovine hydroxyapatite (BHA). Journal of Sol-Gel Science and Technology, 2006, 37, 111-115.	1.1	79
61	Newly developed Sr-substituted Î±-TCP bone cements. Acta Biomaterialia, 2010, 6, 928-935.	4.1	79
62	Hydroxyapatite scaffolds hydrothermally grown from aragonitic cuttlefish bones. Journal of Materials Chemistry, 2005, 15, 5007.	6.7	78
63	Biological responses of brushite-forming Zn- and ZnSr- substituted beta-tricalcium phosphate bone cements. , 2010, 20, 162-177.		78
64	Preparation and characterization of high compressive strength foams from sheet glass. Journal of Porous Materials, 2006, 13, 133-139.	1.3	76
65	Stable glass-ceramic sealants for solid oxide fuel cells: Influence of Bi2O3 doping. International Journal of Hydrogen Energy, 2010, 35, 6911-6923.	3.8	76
66	Bioresorbable Plates and Screws for Clinical Applications: A Review. Journal of Healthcare Engineering, 2012, 3, 243-260.	1.1	76
67	Controlling hydrolysis and dispersion of AlN powders in aqueous media. Journal of Colloid and Interface Science, 2003, 261, 456-463.	5.0	75
68	Effect of Al2O3 and K2O content on structure, properties and devitrification of glasses in the Li2Oâ€“SiO2 system. Journal of the European Ceramic Society, 2010, 30, 2017-2030.	2.8	75
69	Effects of Mn-doping on the structure and biological properties of Î²-tricalcium phosphate. Journal of Inorganic Biochemistry, 2014, 136, 57-66.	1.5	75
70	Preparation of size-controlled nanoparticles of magnetite. Journal of Magnetism and Magnetic Materials, 2012, 324, 1753-1757.	1.0	74
71	Inhibitory effect of the Al2O3â€“SiO2 mixed additives on the anataseâ€“rutile phase transformation. Materials Letters, 1998, 36, 320-324.	1.3	73
72	Biphasic calcium phosphate scaffolds fabricated by direct write assembly: Mechanical, anti-microbial and osteoblastic properties. Journal of the European Ceramic Society, 2017, 37, 359-368.	2.8	72

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73	Formation of Strontium-Stabilized ?-Tricalcium Phosphate from Calcium-Deficient Apatite. Journal of the American Ceramic Society, 2006, 89, 3277-3280.	1.9	71
74	Synthesis and mechanical behaviour of chlorapatite and chlorapatite/Î²-TCP composites. Journal of the European Ceramic Society, 2007, 27, 2287-2294.	2.8	70
75	Effect of sodium addition on the preparation of hydroxyapatites and biphasic ceramics. Ceramics International, 2008, 34, 7-13.	2.3	70
76	The use of egg shells to produce Cathode Ray Tube (CRT) glass foams. Ceramics International, 2013, 39, 9071-9078.	2.3	70
77	Fabrication of porous hydroxyapatite bodies by a new direct consolidation method: starch consolidation. Journal of Biomedical Materials Research Part B, 2002, 60, 232-240.	3.0	69
78	Layered growth of Ti2AlC and Ti3AlC2 in combustion synthesis. Materials Letters, 2007, 61, 779-784.	1.3	69
79	Development of ceramic floor tile compositions based on quartzite and granite sludges. Journal of the European Ceramic Society, 2007, 27, 4649-4655.	2.8	68
80	Structural and Femtosecond Third-Order Nonlinear Optical Properties of Sodium Borate Oxide Glasses: Effect of Antimony. Journal of Physical Chemistry C, 2019, 123, 5591-5602.	1.5	68
81	Colloidal processing of hydroxyapatite. Biomaterials, 2001, 22, 1847-1852.	5.7	67
82	Hydrothermal growth of hydroxyapatite scaffolds from aragonitic cuttlefish bones. Journal of Biomedical Materials Research - Part A, 2006, 77A, 160-168.	2.1	67
83	Synergy of polysaccharide mixtures in gelcasting of alumina. Journal of the European Ceramic Society, 2000, 20, 423-429.	2.8	66
84	Low temperature synthesis of anorthite based glass-ceramics via sintering and crystallization of glass-powder compacts. Journal of the European Ceramic Society, 2006, 26, 2503-2510.	2.8	66
85	Bioglass implant-coating interactions in synthetic physiological fluids with varying degrees of biomimicry. International Journal of Nanomedicine, 2017, Volume 12, 683-707.	3.3	66
86	Processing of aqueous tape-casting of alumina with acrylic emulsion binders. Journal of the European Ceramic Society, 1998, 18, 311-321.	2.8	65
87	Aqueous precipitation method for the formation of Mg-stabilized Î²-tricalcium phosphate: An X-ray diffraction study. Ceramics International, 2007, 33, 637-641.	2.3	65
88	The role of P2O5, TiO2 and ZrO2 as nucleating agents on microstructure and crystallization behaviour of lithium disilicate-based glass. Journal of Materials Science, 2013, 48, 765-773.	1.7	65
89	Far-infrared optical constants of ZnO and ZnO/Ag nanostructures. RSC Advances, 2014, 4, 20902-20908.	1.7	65
90	Microstructure and thermal conductivity of porous ZrO2 ceramics. Acta Materialia, 2007, 55, 3663-3669.	3.8	64

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91	Role of glass structure in defining the chemical dissolution behavior, bioactivity and antioxidant properties of zinc and strontium co-doped alkali-free phosphosilicate glasses. Acta Biomaterialia, 2014, 10, 3264-3278.	4.1	64
92	Environmental friendly management of CRT glass by foaming with waste egg shells, calcite or dolomite. Ceramics International, 2014, 40, 13371-13379.	2.3	64
93	Development of porous ceramic bodies for applications in tissue engineering and drug delivery systems. Materials Research Bulletin, 2004, 39, 83-91.	2.7	62
94	Optimization of La2O3-containing diopside based glass-ceramic sealants for fuel cell applications. Journal of Power Sources, 2009, 189, 1032-1043.	4.0	62
95	Development of porous HAp and Î²-TCP scaffolds by starch consolidation with foaming method and drug-chitosan bilayered scaffold based drug delivery system. Journal of Materials Science: Materials in Medicine, 2010, 21, 2955-2969.	1.7	62
96	Synthesis and Structure Refinement of Zincâ€Doped Î²â€Tricalcium Phosphate Powders. Journal of the American Ceramic Society, 2009, 92, 1592-1595.	1.9	61
97	Electrochemical and structural evaluation of functionally graded bioglass-apatite composites electrophoretically deposited onto Ti6Al4V alloy. Electrochimica Acta, 2009, 54, 1192-1198.	2.6	61
98	Influence of the annealing temperatures on the photoluminescence of KCaBO3:Eu3+ phosphor. RSC Advances, 2012, 2, 8768.	1.7	61
99	Biocompatibility and antimicrobial activity of biphasic calcium phosphate powders doped with metal ions for regenerative medicine. Ceramics International, 2017, 43, 15719-15728.	2.3	61
100	Influence of setting liquid composition and liquid-to-powder ratio on properties of a Mg-substituted calcium phosphate cement. Acta Biomaterialia, 2009, 5, 1233-1240.	4.1	60
101	Structural analysis and thermal behavior of diopsideâ€“fluorapatiteâ€“wollastonite-based glasses and glassâ€“ceramics. Acta Biomaterialia, 2010, 6, 4380-4388.	4.1	59
102	Influence of Mg-doping, calcium pyrophosphate impurities and cooling rate on the allotropic Î± â†” Î²-tricalcium phosphate phase transformations. Journal of the European Ceramic Society, 2016, 36, 817-827.	2.8	59
103	Novel route for rapid sol-gel synthesis of hydroxyapatite, avoiding ageing and using fast drying with a 50-fold to 200-fold reduction in process time. Materials Science and Engineering C, 2017, 70, 796-804.	3.8	59
104	Influence of processing route on microstructure and mechanical properties of MgAl2O4 spinel. Ceramics International, 2010, 36, 473-482.	2.3	58
105	Aqueous Colloidal Processing of ZTA Composites. Journal of the American Ceramic Society, 2009, 92, 9-16.	1.9	57
106	A facile electrodeposition of hydroxyapatite onto borate passivated surgical grade stainless steel. Corrosion Science, 2011, 53, 2328-2334.	3.0	56
107	A novel approach to prepare aluminium-alloy foams reinforced by carbon-nanotubes. Materials Letters, 2015, 160, 162-166.	1.3	56
108	Synthetic and Marine-Derived Porous Scaffolds for Bone Tissue Engineering. Materials, 2018, 11, 1702.	1.3	55

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109	Effect of sodium hexametaphosphate and ageing on the rheological behaviour of kaolin dispersions. Applied Clay Science, 2006, 31, 56-64.	2.6	54
110	Synthesis of hydroxy-chlorapatites solid solutions. Materials Letters, 2006, 60, 864-868.	1.3	54
111	Structural role of zinc in biodegradation of alkali-free bioactive glasses. Journal of Materials Chemistry B, 2013, 1, 3073.	2.9	54
112	Novel synthesis and structural characterization of fluorine and chlorine co-substituted hydroxyapatites. Journal of Inorganic Biochemistry, 2006, 100, 1692-1697.	1.5	53
113	Production and characterisation of glass ceramic foams from recycled raw materials. Advances in Applied Ceramics, 2009, 108, 9-13.	0.6	53
114	KCa4(BO3)3:Ln3+ (Ln = Dy, Eu, Tb) phosphors for near UV excited whiteâ€“lightâ€“emitting diodes. AIP Advances, 2013, 3, .	0.6	53
115	An effective approach to reinforced closed-cell Al-alloy foams with multiwalled carbon nanotubes. Carbon, 2015, 95, 589-600.	5.4	53
116	Synthesis of hydroxyapatite/fluoroapatite solid solution by a solâ€“gel method. Materials Letters, 2001, 51, 37-41.	1.3	52
117	Porous glass reinforced hydroxyapatite materials produced with different organic additives. Journal of Non-Crystalline Solids, 2002, 304, 286-292.	1.5	52
118	Effect of Ca/P ratio of precursors on the formation of different calcium apatitic ceramicsâ€”An X-ray diffraction study. Scripta Materialia, 2005, 53, 1259-1262.	2.6	52
119	Synthesis and thermal stability of sodium, magnesium co-substituted hydroxyapatites. Journal of Materials Chemistry, 2006, 16, 286-291.	6.7	52
120	Brushite-Forming Mg-, Zn- and Sr-Substituted Bone Cements for Clinical Applications. Materials, 2010, 3, 519-535.	1.3	52
121	Solâ€“gel derived fluoridated hydroxyapatite films. Materials Research Bulletin, 2003, 38, 89-97.	2.7	51
122	Effect of Solids Loading on Slipâ€Casting Performance of Silicon Carbide Slurries. Journal of the American Ceramic Society, 1999, 82, 1993-2000.	1.9	51
123	Synthesis and properties of lithium disilicate glass-ceramics in the system SiO2â€“Al2O3â€“K2Oâ€“Li2O. Ceramics International, 2009, 35, 3013-3019.	2.3	51
124	A study on the aqueous dispersion mechanism of CuO powders using Tiron. Journal of Colloid and Interface Science, 2009, 330, 119-124.	5.0	51
125	Electrophoretic bilayer deposition of zirconia and reinforced bioglass system on Ti6Al4V for implant applications: An in vitro investigation. Materials Science and Engineering C, 2013, 33, 4160-4166.	3.8	51
126	3D printing vertically: Direct ink writing free-standing pillar arrays. Materials Today, 2020, 35, 16-24.	8.3	50

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127	Mechanical and lamination properties of alumina green tapes obtained by aqueous tape-casting. Journal of the European Ceramic Society, 1999, 19, 2867-2873.	2.8	48
128	3D chitosanâ€“gelatinâ€“chondroitin porous scaffold improves osteogenic differentiation of mesenchymal stem cells. Biomedical Materials (Bristol), 2007, 2, 124-131.	1.7	48
129	Study of calciumâ€“magnesiumâ€“aluminumâ€“silicate (CMAS) glass and glass-ceramic sealant for solid oxide fuel cells. Journal of Power Sources, 2013, 231, 203-212.	4.0	47
130	Permeability of diatomite layers processed by different colloidal techniques. Journal of the European Ceramic Society, 2000, 20, 201-207.	2.8	46
131	Single step synthesis of nanosized CeO2â€“MxOy mixed oxides (MxOyÂ=ÂSiO2, TiO2, ZrO2, and Al2O3) by microwave induced solution combustion synthesis: characterization and CO oxidation. Journal of Materials Science, 2009, 44, 2743-2751.	1.7	45
132	MoSi2/Al2O3 FGM: elaboration by tape casting and SHS. Journal of the European Ceramic Society, 2001, 21, 2353-2360.	2.8	44
133	In Situ Formation and Characterization of Flourine-Substituted Biphasic Calcium Phosphate Ceramics of Varied F-HAP/Î²-TCP Ratios. Chemistry of Materials, 2005, 17, 3065-3068.	3.2	44
134	Crystallization behaviour of Li2OZnOSiO2 glassâ€“ceramics system. Ceramics International, 2007, 33, 863-867.	2.3	44
135	Influence of raw material type and of the overall chemical composition on phase formation and sintered microstructure of mullite aggregates. Ceramics International, 2009, 35, 2007-2015.	2.3	44
136	Synthesis, bioactivity and preliminary biocompatibility studies of glasses in the system CaOâ€“MgOâ€“SiO2â€“Na2Oâ€“P2O5â€“CaF2. Journal of Materials Science: Materials in Medicine, 2011, 22, 217-227.	1.7	44
137	Electrical properties of Ag-doped ZnO nano-plates synthesized via wet chemical precipitation method. Ceramics International, 2014, 40, 4471-4477.	2.3	44
138	In Situ Impregnation of Silver Nanoclusters in Microporous Chitosan-PEG Membranes as an Antibacterial and Drug Delivery Percutaneous Device. Langmuir, 2016, 32, 10305-10316.	1.6	44
139	Diopsideâ€“Ba disilicate glassâ€“ceramic sealants for SOFCs: Enhanced adhesion and thermal stability by Sr for Ca substitution. International Journal of Hydrogen Energy, 2013, 38, 3073-3086.	3.8	43
140	Effect of dispersant on the rheological properties and slip casting of concentrated sialon precursor suspensions. Journal of the European Ceramic Society, 2003, 23, 1525-1530.	2.8	42
141	Sol-gel preparation andin vitro test of fluorapatite/hydroxyapatite films. Journal of Biomedical Materials Research Part B, 2004, 69B, 33-37.	3.0	42
142	Fast Shape Evolution of TiN Microcrystals in Combustion Synthesis. Crystal Growth and Design, 2006, 6, 2404-2411.	1.4	42
143	Surface Passivation of MgAl₂O₄Spinel Powder by Chemisorbing H₃PO₄for Easy Aqueous Processing. Langmuir, 2008, 24, 9525-9530.	1.6	42
144	Strong bonding between sputtered bioglassâ€“ceramic films and Ti-substrate implants induced by atomic inter-diffusion post-deposition heat-treatments. Applied Surface Science, 2013, 280, 530-538.	3.1	42

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145	Influence of Mg doping on dielectric and optical properties of ZnO nano-plates prepared by wet chemical method. Solid State Communications, 2014, 195, 74-79.	0.9	42
146	Structure and Crystallization of Alkaline-Earth Aluminosilicate Glasses: Prevention of the Alumina-Avoidance Principle. Journal of Physical Chemistry B, 2018, 122, 4737-4747.	1.2	42
147	Influence of magnesia on colloidal processing of alumina. Journal of the European Ceramic Society, 1997, 17, 1341-1350.	2.8	41
148	Morphological and chemical characterisation of biomimetic bone like apatite formation on alkali treated Ti6Al4V titanium alloy. Materials Science and Engineering C, 2009, 29, 1252-1257.	3.8	41
149	Diopside (CaOÂ·MgOÂ·2SiO2)â€“fluorapatite (9CaOÂ·3P2O5Â·CaF2) glass-ceramics: potential materials for bone tissue engineering. Journal of Materials Chemistry, 2011, 21, 16247.	6.7	41
150	Structure, surface reactivity and physico-chemical degradation of fluoride containing phospho-silicate glasses. Journal of Materials Chemistry, 2011, 21, 8074.	6.7	41
151	Sintering behavior of lanthanide-containing glass-ceramic sealants for solid oxide fuel cells. Journal of Materials Chemistry, 2012, 22, 10042.	6.7	41
152	A Thermo-Chemical Surface Treatment of AlN Powder for the Aqueous Processing of AlN Ceramics. Journal of Materials Research, 2004, 19, 746-751.	1.2	40
153	Highly adherent bioactive glass thin films synthetized by magnetron sputtering at low temperature. Journal of Materials Science: Materials in Medicine, 2011, 22, 2693-2710.	1.7	40
154	Synthesis, processing and characterization of a bioactive glass composition for bone regeneration. Ceramics International, 2013, 39, 2519-2526.	2.3	40
155	Role of the clogging effect in the slip casting process. Journal of the European Ceramic Society, 1998, 18, 1161-1169.	2.8	39
156	In situ preparation of weakly flocculated aqueous anatase suspensions by a hydrothermal technique. Journal of Colloid and Interface Science, 2003, 260, 82-88.	5.0	39
157	Hydrolysis-induced aqueous gelcasting for near-net shape forming of ZTA ceramic composites. Journal of the European Ceramic Society, 2009, 29, 1393-1401.	2.8	39
158	Fabrication of rutile rod-like particle by hydrothermal method: an insight into HNO3 peptization. Journal of Colloid and Interface Science, 2005, 283, 102-106.	5.0	38
159	Injectability of brushite-forming Mg-substituted and Sr-substituted Î±-TCP bone cements. Journal of Materials Science: Materials in Medicine, 2010, 21, 431-438.	1.7	38
160	The role of K2O on sintering and crystallization of glass powder compacts in the Li2Oâ€“K2Oâ€“Al2O3â€“SiO2 system. Journal of the European Ceramic Society, 2012, 32, 2283-2292.	2.8	38
161	Thermo-mechanical and high-temperature dielectric properties of cordierite-mullite-alumina ceramics. Ceramics International, 2016, 42, 16897-16905.	2.3	38
162	Combustion synthesis of AlNâ€“SiC solid solution particles. Journal of the European Ceramic Society, 2000, 20, 2601-2606.	2.8	37

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163	Effect of K2O on structureâ€“property relationships and phase transformations in Li2Oâ€“SiO2 glasses. Journal of the European Ceramic Society, 2012, 32, 291-298.	2.8	37
164	The roles of P2O5 and SiO2/Li2O ratio on the network structure and crystallization kinetics of non-stoichiometric lithium disilicate based glasses. Journal of Non-Crystalline Solids, 2018, 481, 512-521.	1.5	37
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