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	Robocasting and surface functionalization with highly bioactive glass of ZrO₂ scaffolds for load bearing applications. Journal of the American Ceramic Society, 2022, 105, 1753-1764.	1.9	8
2	Use of colemanite and borax penta-hydrate in soda lime silicate glass melting - A strategy to reduce energy consumption and improve glass properties. Ceramics International, 2022, 48, 1181-1190.	2.3	2
3	Independent and complementary bio-functional effects of CuO and Ga2O3 incorporated as therapeutic agents in silica- and phosphate-based bioactive glasses. Journal of Materiomics, 2022, 8, 893-905.	2.8	3
4	Tunable femtosecond nonlinear absorption and optical limiting thresholds of La2O3â€'B2O3 glasses by controlling the borate structural units. Scripta Materialia, 2022, 211, 114530.	2.6	24
5	Robocasting of 3D printed and sintered ceria scaffold structures with hierarchical porosity for solar thermochemical fuel production from the splitting of CO₂. Nanoscale, 2022, 14, 4994-5001.	2.8	10
6	New and Efficient Bioactive Glass Compositions for Controlling Endodontic Pathogens. Nanomaterials, 2022, 12, 1577.	1.9	4
7	Phosphate bioglass thin-films: Cross-area uniformity, structure and biological performance tailored by the simple modification of magnetron sputtering gas pressure. Applied Surface Science, 2021, 541, 148640.	3.1	9
8	Role of vanadium oxide on the lithium silicate glass structure and properties. Journal of the American Ceramic Society, 2021, 104, 2495-2505.	1.9	10
9	Development of microfibers for bone regeneration based on alkaliâ€free bioactive glasses doped with boron oxide. Journal of the American Ceramic Society, 2021, 104, 4492-4504.	1.9	4
10	Threeâ€dimensional printing of zirconia scaffolds for load bearing applications: Study of the optimal fabrication conditions. Journal of the American Ceramic Society, 2021, 104, 4368-4380.	1.9	18
11	Effect of Vanadium Oxide on the Structure and Li-Ion Conductivity of Lithium Silicate Glasses. Journal of Physical Chemistry C, 2021, 125, 16843-16857.	1.5	5
12	Solâ€"Gel Synthesis and Characterization of a Quaternary Bioglass for Bone Regeneration and Tissue Engineering. Materials, 2021, 14, 4515.	1.3	10
13	Preparation of hybrid nanocomposite particles for medical practices. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 624, 126706.	2.3	4
14	3D Printing of Macro Porous Sol-Gel Derived Bioactive Glass Scaffolds and Assessment of Biological Response. Materials, 2021, 14, 5946.	1.3	8
15	Highly Porous Composite Scaffolds Endowed with Antibacterial Activity for Multifunctional Grafts in Bone Repair. Polymers, 2021, 13, 4378.	2.0	9
16	The role of calcium (source & content) on the in vitro behaviour of solâ€"gel quaternary glass series. Ceramics International, 2020, 46, 1065-1075.	2.3	4
17	Design and synthesis of foam glasses from recycled materials. International Journal of Applied Ceramic Technology, 2020, 17, 64-74.	1.1	8
18	The Beneficial Mechanical and Biological Outcomes of Thin Copper-Gallium Doped Silica-Rich Bio-Active Glass Implant-Type Coatings. Coatings, 2020, 10, 1119.	1.2	23

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19	Combined Occupancy of Gadolinium at the Lattice Sites of Î²â€Ca₃(PO₄)₂ and tâ€ZrO₂ Crystal Structures. European Journal of Inorganic Chemistry, 2020, 2020, 1163-1171.	1.0	4
20	Remembering Joanna McKittrick. Journal of the American Ceramic Society, 2020, 103, 2277-2277.	1.9	0
21	3D printing vertically: Direct ink writing free-standing pillar arrays. Materials Today, 2020, 35, 16-24.	8.3	50
22	Direct Ink Writing Glass: A Preliminary Step for Optical Application. Materials, 2020, 13, 1636.	1.3	16
23	Robocasting: Prediction of ink printability in solgel bioactive glass. Journal of the American Ceramic Society, 2019, 102, 1608-1618.	1.9	13
24	Cytotoxicity and bioactivity assessments for Cu²⁺ and La³⁺ doped highâ€silica solâ€gel derived bioglasses: The complex interplay between additive ions revealed. Journal of Biomedical Materials Research - Part A, 2019, 107, 2680-2693.	2.1	7
25	Structure and Stability of High CaO- and P2O5-Containing Silicate and Borosilicate Bioactive Glasses. Journal of Physical Chemistry B, 2019, 123, 7558-7569.	1.2	14
26	Surface functionalization of cuttlefish bone-derived biphasic calcium phosphate scaffolds with polymeric coatings. Materials Science and Engineering C, 2019, 105, 110014.	3.8	22
27	Cuttlefish Bone-Derived Biphasic Calcium Phosphate Scaffolds Coated with Sol-Gel Derived Bioactive Glass. Materials, 2019, 12, 2711.	1.3	5
28	Impact of transition metal ions on the structure and bioactivity of alkali-free bioactive glasses. Journal of Non-Crystalline Solids, 2019, 506, 98-108.	1.5	19
29	Robocasting of Cu2+ & La3+ doped solâ€“gel glass scaffolds with greatly enhanced mechanical properties: Compressive strength up to 14â€¯MPa. Acta Biomaterialia, 2019, 87, 265-272.	4.1	18
30	Dielectric and optical properties of Ni- and Fe-doped CeO2 Nanoparticles. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	18
31	Unveiling the Effects of Rare-Earth Substitutions on the Structure, Mechanical, Optical, and Imaging Features of ZrO₂ for Biomedical Applications. ACS Biomaterials Science and Engineering, 2019, 5, 1725-1743.	2.6	29
32	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
33	The effects of Cu2+ and La3+ doping on the sintering ability of sol-gel derived high silica bioglasses. Ceramics International, 2019, 45, 10269-10278.	2.3	6
34	Elucidating the formation of Alâ€“NBO bonds, Alâ€“Oâ€“Al linkages and clusters in alkaline-earth aluminosilicate glasses based on molecular dynamics simulations. Physical Chemistry Chemical Physics, 2019, 21, 23966-23977.	1.3	20
35	The structural role of lanthanum oxide in silicate glasses. Journal of Non-Crystalline Solids, 2019, 505, 18-27.	1.5	24
36	Robocasting of ceramic glass scaffolds: Solâ€“gel glass, new horizons. Journal of the European Ceramic Society, 2019, 39, 1625-1634.	2.8	28

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37	Antibacterial efficiency of alkali-free bio-glasses incorporating ZnO and/or SrO as therapeutic agents. Ceramics International, 2019, 45, 4368-4380.	2.3	27
38	Chitosan and polyethylene glycol based membranes with antibacterial properties for tissue regeneration. Materials Science and Engineering C, 2019, 96, 606-615.	3.8	31
39	Direct ink writing of macroporous leadâ€free piezoelectric Ba_{0.85}Ca_{0.15}Zr_{0.1}Ti_{0.9}O₃. Journal of the American Ceramic Society, 2019, 102, 3191-3203.	1.9	29
40	Doping Î²-TCP as a Strategy for Enhancing the Regenerative Potential of Composite Î²-TCPâ€"Alkali-Free Bioactive Glass Bone Grafts. Experimental Study in Rats. Materials, 2019, 12, 4.	1.3	17
41	Novel sintering-free scaffolds obtained by additive manufacturing for concurrent bone regeneration and drug delivery: Proof of concept. Materials Science and Engineering C, 2019, 94, 426-436.	3.8	35
42	The influence of processing parameters on morphology and granulometry of a wet-milled sol-gel glass powder. Ceramics International, 2018, 44, 12754-12762.	2.3	7
43	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
44	Influence of the Ca/P ratio and cooling rate on the allotropic Î±â†"Î²-tricalcium phosphate phase transformations. Ceramics International, 2018, 44, 8249-8256.	2.3	25
45	Effects of catalysts on polymerization and microstructure of solâ€gel derived bioglasses. Journal of the American Ceramic Society, 2018, 101, 2831-2839.	1.9	10
46	Can the regenerative potential of an alkali-free bioactive glass composition be enhanced when mixed with resorbable Î²-TCP?. Ceramics International, 2018, 44, 5025-5031.	2.3	5
47	Structural and impedance spectroscopy characteristics of BaCO₃/BaSnO₃/SnO₂ nanocomposite: observation of a non-monotonic relaxation behavior. RSC Advances, 2018, 8, 2100-2108.	1.7	18
48	Enhanced bioactivity of a rapidly-dried sol-gel derived quaternary bioglass. Materials Science and Engineering C, 2018, 91, 36-43.	3.8	18
49	Development and rheological characterisation of an industrial liquid fuel consisting of charcoal dispersed in water. Journal of the Energy Institute, 2018, 91, 519-526.	2.7	8
50	Dispersion and flow properties of charcoal oil slurries (ChOS) as potential renewable industrial liquid fuels. Journal of the Energy Institute, 2018, 91, 978-983.	2.7	23
51	Synthesis and bioactivity assessment of high silica content quaternary glasses with <scp>C</scp>a:<scp>P</scp> ratios of 1.5 and 1.67, made by a rapid solâ€gel process. Journal of Biomedical Materials Research - Part A, 2018, 106, 510-520.	2.1	13
52	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
53	Bioactive Glasses and Glass-Ceramics for Healthcare Applications in Bone Regeneration and Tissue Engineering. Materials, 2018, 11, 2530.	1.3	196
54	Cationic Substitutions in Hydroxyapatite: Current Status of the Derived Biofunctional Effects and Their In Vitro Interrogation Methods. Materials, 2018, 11, 2081.	1.3	179

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55	Synthetic and Marine-Derived Porous Scaffolds for Bone Tissue Engineering. Materials, 2018, 11, 1702.	1.3	55
56	The in vivo performance of an alkaliâ€free bioactive glass for bone grafting, <scp>F</scp>ast<scp>O</scp>s^{Â®}<scp>BG</scp>, assessed with an ovine model. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 30-38.	1.6	25
57	Dependence of Eu3+ photoluminescence properties on structural transformations in diopside-based glass-ceramics. Journal of Alloys and Compounds, 2017, 699, 856-865.	2.8	7
58	Formation Mechanisms in Î²-Ca3(PO4)2â€“ZnO Composites: Structural Repercussions of Composition and Heat Treatments. Inorganic Chemistry, 2017, 56, 1289-1299.	1.9	19
59	Optical and magnetic properties of ZnO/ZnFe 2 O 4 nanocomposite. Materials Chemistry and Physics, 2017, 192, 330-338.	2.0	34
60	Comparison of the cadmium removal efficiency by two calcium phosphate powders. Journal of Environmental Chemical Engineering, 2017, 5, 1475-1483.	3.3	4
61	3D multiscale controlled micropatterning of lead-free piezoelectric electroceramics via Epoxy Gel Casting and lift-off. Journal of the European Ceramic Society, 2017, 37, 3079-3087.	2.8	4
62	Phase transition mechanisms involved in the formation of structurally stable Î² -Ca 3 (PO 4) 2 -Î±-Al 2 O 3 composites. Journal of the European Ceramic Society, 2017, 37, 2953-2963.	2.8	17
63	Injectable MnSr-doped brushite bone cements with improved biological performance. Journal of Materials Chemistry B, 2017, 5, 2775-2787.	2.9	23
64	A hundred times faster: Novel, rapid solâ€gel synthesis of bioâ€glass nanopowders (Siâ€Naâ€Caâ€P system, Ca:P =) Tj ETQq0 0 0 rgBT /	1.0	22
65	Enhanced local piezoelectric response in the erbium-doped ZnO nanostructures prepared by wet chemical synthesis. Journal of Asian Ceramic Societies, 2017, 5, 1-6.	1.0	3
66	Understanding the Formation of CaAl₂Si₂O₈ in Melilite-Based Glass-Ceramics: Combined Diffraction and Spectroscopic Studies. ACS Omega, 2017, 2, 6233-6243.	1.6	26
67	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
68	Structure and thermal relaxation of network units and crystallization of lithium silicate based glasses doped with oxides of Al and B. Physical Chemistry Chemical Physics, 2017, 19, 26034-26046.	1.3	9
69	Additive manufacturing of 3D porous alkali-free bioactive glass scaffolds for healthcare applications. Journal of Materials Science, 2017, 52, 12079-12088.	1.7	21
70	Nanocrystalline ZnOâ€“SnO2 mixed metal oxide powder: microstructural study, optical properties, and photocatalytic activity. Journal of Sol-Gel Science and Technology, 2017, 84, 274-282.	1.1	16
71	Preparation of dense spherical AlN fillers by aqueous granulation and post-sintering process. Ceramics International, 2017, 43, 2027-2032.	2.3	11
72	Osteogenic capacity of alkaliâ€free bioactive glasses. In vitro studies. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 2360-2365.	1.6	26

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73	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
74	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
75	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
76	The key Features expected from a Perfect Bioactive Glass â€“How Far we still are from an Ideal Composition?. Biomedical Journal of Scientific & Technical Research, 2017, 1, .	0.0	5
77	Composite and Nanocomposite Metal Foams. Materials, 2016, 9, 79.	1.3	102
78	Fabrication of ceramic microneedles â€“ The role of specific interactions between processing additives and the surface of oxide particles in Epoxy Gel Casting. Journal of the European Ceramic Society, 2016, 36, 4131-4140.	2.8	18
79	Statistics of silicate units in binary glasses. Journal of Chemical Physics, 2016, 145, 124505.	1.2	7
80	Ba-doped ZnO nanostructure: X-ray line analysis and optical properties in visible and low frequency infrared. Ceramics International, 2016, 42, 12860-12867.	2.3	24
81	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
82	Corrigendum to â€˜Ba-doped ZnO nanostructure: X-ray line analysis and optical properties in visible and low frequency infraredâ€™ [Ceram. Int. (2016) 12860â€“12867]. Ceramics International, 2016, 42, 16436.	2.3	0
83	Thermo-mechanical and high-temperature dielectric properties of cordierite-mullite-alumina ceramics. Ceramics International, 2016, 42, 16897-16905.	2.3	38
84	Two different techniques used in the production of foam structures: 3D printing and glass foaming. CiÃªncia & Tecnologia Dos Materiais, 2016, 28, 29-33.	0.5	0
85	A new class of closed-cell aluminium foams reinforced with carbon nanotubes. CiÃªncia & Tecnologia Dos Materiais, 2016, 28, 5-8.	0.5	5
86	The Influence of Cu²⁺ and Mn²⁺ Ions on the Structure and Crystallization of Diopsideâ€“Calcium Pyrophosphate Bioglasses. International Journal of Applied Glass Science, 2016, 7, 345-354.	1.0	5
87	Influence of Al₂O₃ and B₂O₃ on Sintering and Crystallization of Lithium Silicate Glass System. Journal of the American Ceramic Society, 2016, 99, 833-840.	1.9	12
88	Insights on the properties of levofloxacin-adsorbed Sr- and Mg-doped calcium phosphate powders. Journal of Materials Science: Materials in Medicine, 2016, 27, 123.	1.7	9
89	The effect of functional ions (Y3+, Fâˆ’, Ti4+) on the structure, sintering and crystallization of diopside-calcium pyrophosphate bioglasses. Journal of Non-Crystalline Solids, 2016, 443, 162-171.	1.5	12
90	Alkali-free bioactive diopsideâ€“tricalcium phosphate glass-ceramics for scaffold fabrication: Sintering and crystallization behaviours. Journal of Non-Crystalline Solids, 2016, 432, 81-89.	1.5	26

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91	Carbothermal synthesis of micro-scale spherical AlN granules with CaF2 additive. Journal of Alloys and Compounds, 2016, 663, 823-828.	2.8	26
92	Antibiotic-loaded Sr-doped porous calcium phosphate granules as multifunctional bone grafts. Ceramics International, 2016, 42, 2706-2716.	2.3	26
93	Deposition, structure, physical and invitro characteristics of Ag-doped Î²-Ca3(PO4)2/chitosan hybrid composite coatings on Titanium metal. Materials Science and Engineering C, 2016, 62, 692-701.	3.8	30
94	Submicrometer Hollow Bioglass Cones Deposited by Radio Frequency Magnetron Sputtering: Formation Mechanism, Properties, and Prospective Biomedical Applications. ACS Applied Materials & Interfaces, 2016, 8, 4357-4367.	4.0	24
95	Tailoring the viscoelastic properties of injectable biocomposites: A spectroscopic assessment of the interactions between organic carriers and bioactive glass particles. Materials and Design, 2016, 97, 45-50.	3.3	5
96	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
97	Novel doped calcium phosphate-PMMA bone cement composites as levofloxacin delivery systems. International Journal of Pharmaceutics, 2015, 490, 200-208.	2.6	24
98	Mechanically stable antimicrobial chitosanâ€“PVAâ€“silver nanocomposite coatings deposited on titanium implants. Carbohydrate Polymers, 2015, 121, 37-48.	5.1	94
99	Understanding the compositionâ€“structureâ€“bioactivity relationships in diopside (CaOÂ·MgOÂ·2SiO2)â€“tricalcium phosphate (3CaOÂ·P2O5) glass system. Acta Biomaterialia, 2015, 15, 210-226.	4.1	34
100	Dielectrical Properties of CeO2 Nanoparticles at Different Temperatures. PLoS ONE, 2015, 10, e0122989.	1.1	91
101	A novel approach to prepare aluminium-alloy foams reinforced by carbon-nanotubes. Materials Letters, 2015, 160, 162-166.	1.3	56
102	Development of bilayer glass-ceramic SOFC sealants via optimizing the chemical composition of glassesâ€”a review. Journal of Solid State Electrochemistry, 2015, 19, 2899-2916.	1.2	24
103	Influence of ZnO/MgO substitution on sintering, crystallisation, and bio-activity of alkali-free glass-ceramics. Materials Science and Engineering C, 2015, 53, 252-261.	3.8	27
104	Preventing hydrolysis of BaTiO3 powders during aqueous processing and of bulk ceramics after sintering. Journal of the European Ceramic Society, 2015, 35, 2471-2478.	2.8	4
105	Injectability of calcium phosphate pastes: Effects of particle size and state of aggregation of Î²-tricalcium phosphate powders. Acta Biomaterialia, 2015, 21, 204-216.	4.1	32
106	Effect of Ni doping on structural and optical properties of Zn1â^'Ni O nanopowder synthesized via low cost sono-chemical method. Materials Research Bulletin, 2015, 70, 430-435.	2.7	14
107	Influence of Strontium Oxide on Structural Transformations in Diopside-Based Glass-Ceramics Assessed by Diverse Structural Tools. Journal of Physical Chemistry C, 2015, 119, 11482-11492.	1.5	15
108	Glass structure and crystallization of Al and B containing glasses belonging to the Li₂Oâ€“SiO₂system. RSC Advances, 2015, 5, 41066-41078.	1.7	25

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109	Synthesis and in vitro bioactivity assessment of injectable bioglassâ^'organic pastes for bone tissue repair. Ceramics International, 2015, 41, 9373-9382.	2.3	13
110	On the mechanical properties of PLCâ€"bioactive glass scaffolds fabricated via BioExtrusion. Materials Science and Engineering C, 2015, 57, 288-293.	3.8	27
111	Superior biofunctionality of dental implant fixtures uniformly coated with durable bioglass films by magnetron sputtering. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 51, 313-327.	1.5	36
112	The structural and optical constants of Ag2S semiconductor nanostructure in the Far-Infrared. Chemistry Central Journal, 2015, 9, 28.	2.6	87
113	An effective approach to reinforced closed-cell Al-alloy foams with multiwalled carbon nanotubes. Carbon, 2015, 95, 589-600.	5.4	53
114	Manufacturing and bending behaviour of in situ foam-filled aluminium alloy tubes. Materials & Design, 2015, 66, 532-544.	5.1	97
115	Hydrothermal Synthesis of Siâ€doped Hydroxyapatite Nanopowders: Mechanical and Bioactivity Evaluation. International Journal of Applied Ceramic Technology, 2015, 12, 329-340.	1.1	9
116	Effects of <scp>M</scp>gâ€Doping and of Reinforcing <scp>Multiwalled Carbon Nanotubes</scp> Content on the Structure and Properties of Hydroxyapatite Nanocomposite Ceramics. International Journal of Applied Ceramic Technology, 2015, 12, 264-272.	1.1	4
117	Quantum cutting effect and photoluminescence emission at about 1,000Ânm from Erâ€"Yb co-doped ZnO nanoplates prepared by wet chemical precipitation method. Applied Physics A: Materials Science and Processing, 2014, 117, 2289-2294.	1.1	3
118	Exchange bias beyond the superparamagnetic blocking temperature of the antiferromagnet in a Ni-NiO nanoparticulate system. Journal of Applied Physics, 2014, 115, .	1.1	23
119	Effect of Ni precursor solution concentration on the magnetic properties and exchange bias of Ni-NiO nanoparticulate systems. Journal of Applied Physics, 2014, 116, 093906.	1.1	4
120	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
121	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
122	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
123	Er doped ZnO nanoplates: Synthesis, optical and dielectric properties. Ceramics International, 2014, 40, 1635-1639.	2.3	108
124	Bi-layer glass-ceramic sealant for solid oxide fuel cells. Journal of the European Ceramic Society, 2014, 34, 1449-1455.	2.8	12
125	Structural and dielectric properties of Al-doped ZnO nanostructures. Ceramics International, 2014, 40, 6031-6036.	2.3	88
126	Robocasting of 45S5 bioactive glass scaffolds for bone tissue engineering. Journal of the European Ceramic Society, 2014, 34, 107-118.	2.8	136

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127	Effect of strontium-to-calcium ratio on the structure, crystallization behavior and functional properties of diopside-based glasses. International Journal of Hydrogen Energy, 2014, 39, 3552-3563.	3.8	14
128	Nanomechanical characterization of bioglass films synthesized by magnetron sputtering. Thin Solid Films, 2014, 553, 166-172.	0.8	28
129	Electrical properties of Ag-doped ZnO nano-plates synthesized via wet chemical precipitation method. Ceramics International, 2014, 40, 4471-4477.	2.3	44
130	2<scp>D</scp> Quantitative Analysis of Metal Foaming Kinetics by Hotâ€<scp>S</scp>tage Microscopy. Advanced Engineering Materials, 2014, 16, 33-39.	1.6	18
131	Fabrication of Barium Strontium Titanate (<scp><scp>Ba</scp></scp>_{0.6}<scp><scp>Sr</scp></scp>_{0.4}<scp><scp>TiO</scp></scp>₃) 3D Microcomponents from Aqueous Suspensions. Journal of the American Ceramic Society, 2014, 97, 725-732.	1.9	17
132	Role of manganese on the structure, crystallization and sintering of non-stoichiometric lithium disilicate glasses. RSC Advances, 2014, 4, 13581.	1.7	28
133	Fostering the properties of Zr_{0.8}Sn_{0.2}TiO₄ (ZST) ceramics via freeze granulation without sintering additives. RSC Advances, 2014, 4, 48734-48740.	1.7	13
134	Structure, biodegradation behavior and cytotoxicity of alkali-containing alkaline-earth phosphosilicate glasses. Materials Science and Engineering C, 2014, 44, 159-165.	3.8	33
135	Microfabrication of high aspect ratio BST pillar arrays by epoxy gel casting from aqueous suspensions with added water soluble epoxy resin. Materials Research Bulletin, 2014, 60, 830-837.	2.7	12
136	Environmental friendly management of CRT glass by foaming with waste egg shells, calcite or dolomite. Ceramics International, 2014, 40, 13371-13379.	2.3	64
137	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
138	Study of far infrared optical properties and, photocatalytic activity of ZnO/ZnS hetero-nanocomposite structure. RSC Advances, 2014, 4, 35383.	1.7	24
139	Fabricating and characterising ZnOâ€“ZnSâ€“Ag₂S ternary nanostructures with efficient solar-light photocatalytic activity. Physical Chemistry Chemical Physics, 2014, 16, 22418-22425.	1.3	35
140	Structure, properties and crystallization of non-stoichiometric lithium disilicate glasses containing CaF2. Journal of Non-Crystalline Solids, 2014, 406, 54-61.	1.5	5
141	Successful aqueous processing of a lead free 0.5Ba(Zr_{0.2}Ti_{0.8})O₃â€“0.5(Ba_{0.7}Ca_{0.3})TiO₃ piezoelectric material composition. RSC Advances, 2014, 4, 26993-27002.	1.7	18
142	Enhancement of 1536nm emission of Er doped ZnO nanopowder by Ag doping. Optical Materials, 2014, 36, 1295-1298.	1.7	11
143	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
144	Enhancement of near infrared emission in La co-doped ZnO/Er nanoplates. Ceramics International, 2014, 40, 12947-12951.	2.3	10

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145	Structureâ€“property relationships and densification-crystallization behaviours of simplified lithium disilicate glass compositions. Ceramics International, 2014, 40, 129-140.	2.3	23
146	Structural, mechanical and dielectric properties of Ba0.6Sr0.4TiO3â€”The benefits of a colloidal processing approach. Materials Research Bulletin, 2014, 50, 329-336.	2.7	16
147	Thermal and mechanical stability of lanthanide-containing glassâ€“ceramic sealants for solid oxide fuel cells. Journal of Materials Chemistry A, 2014, 2, 1834-1846.	5.2	31
148	Far-infrared optical constants of ZnO and ZnO/Ag nanostructures. RSC Advances, 2014, 4, 20902-20908.	1.7	65
149	Fostering Hydroxyapatite Bioactivity and Mechanical Strength by Si-Doping and Reinforcing with Multiwall Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2014, 14, 4409-4417.	0.9	1
150	Al2O3/K2O-containing non-stoichiometric lithium disilicate-based glasses. Journal of Thermal Analysis and Calorimetry, 2013, 112, 1359-1368.	2.0	8
151	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
152	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
153	Structural role of zinc in biodegradation of alkali-free bioactive glasses. Journal of Materials Chemistry B, 2013, 1, 3073.	2.9	54
154	Hydroxyapatite coating on selectively passivated and sensitively polymer-protected surgical grade stainless steel. Journal of Applied Electrochemistry, 2013, 43, 331-345.	1.5	20
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