Jos Mf Ferreira

List of Publications by Year in Descending Order

482 papers	15,469 citations	63 h-index	90 g-index
500 ext. papers	17,029 ext. citations	5 avg, IF	6.74 L-index

#	Paper	IF	Citations
482	Tunable femtosecond nonlinear absorption and optical limiting thresholds of La2O3-B2O3 glasses by controlling the borate structural units. *Scripta Materialia*, **2022**, 211, 114530	5.6	2
481	Highly Porous Composite Scaffolds Endowed with Antibacterial Activity for Multifunctional Grafts in Bone Repair.. *Polymers*, **2021**, 13,	4.5	2
480	Development of microfibers for bone regeneration based on alkali-free bioactive glasses doped with boron oxide. *Journal of the American Ceramic Society*, **2021**, 104, 4492-4504	3.8	2
479	Three-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	3.8	7
478	Effect of Vanadium Oxide on the Structure and Li-Ion Conductivity of Lithium Silicate Glasses. *Journal of Physical Chemistry C*, **2021**, 125, 16843-16857	3.8	0
477	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	6.7	6
476	Role of vanadium oxide on the lithium silicate glass structure and properties. *Journal of the American Ceramic Society*, **2021**, 104, 2495-2505	3.8	3
475	Preparation of hybrid nanocomposite particles for medical practices. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 624, 126706	5.1	1
474	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*, **2021**, 48, 1181-1181	5.1	0
473	Combined Occupancy of Gadolinium at the Lattice Sites of □Ca3(PO4)2 and t-ZrO2 Crystal Structures. *European Journal of Inorganic Chemistry*, **2020**, 2020, 1163-1171	2.3	0
472	3D printing vertically: Direct ink writing free-standing pillar arrays. *Materials Today*, **2020**, 35, 16-24	21.8	25
471	Direct Ink Writing Glass: A Preliminary Step for Optical Application. *Materials*, **2020**, 13,	3.5	7
470	Design and synthesis of foam glasses from recycled materials. *International Journal of Applied Ceramic Technology*, **2020**, 17, 64-74	2	4
469	The Beneficial Mechanical and Biological Outcomes of Thin Copper-Gallium Doped Silica-Rich Bio-Active Glass Implant-Type Coatings. *Coatings*, **2020**, 10, 1119	2.9	7
468	The role of calcium (source & content) on the in vitro behaviour of sol□gel quaternary glass series. *Ceramics International*, **2020**, 46, 1065-1075	5.1	1
467	Cuttlefish Bone-Derived Biphasic Calcium Phosphate Scaffolds Coated with Sol-Gel Derived Bioactive Glass. *Materials*, **2019**, 12,	3.5	3
466	Impact of transition metal ions on the structure and bioactivity of alkali-free bioactive glasses. *Journal of Non-Crystalline Solids*, **2019**, 506, 98-108	3.9	10

465	Robocasting of Cu & La doped sol-gel glass scaffolds with greatly enhanced mechanical properties: Compressive strength up to 14 MPa. *Acta Biomaterialia*, **2019**, 87, 265-272	10.8	9
464	Dielectric and optical properties of Ni- and Fe-doped CeO2 Nanoparticles. *Applied Physics A: Materials Science and Processing*, **2019**, 125, 1	2.6	6
463	Unveiling the Effects of Rare-Earth Substitutions on the Structure, Mechanical, Optical, and Imaging Features of ZrO for Biomedical Applications. *ACS Biomaterials Science and Engineering*, **2019**, 5, 1725-1743	5.5	19
462	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	3.8	36
461	Cytotoxicity and bioactivity assessments for Cu and La doped high-silica sol-gel derived bioglasses: The complex interplay between additive ions revealed. *Journal of Biomedical Materials Research - Part A*, **2019**, 107, 2680-2693	5.4	3
460	Structure and Stability of High CaO- and PO-Containing Silicate and Borosilicate Bioactive Glasses. *Journal of Physical Chemistry B*, **2019**, 123, 7558-7569	3.4	9
459	Surface functionalization of cuttlefish bone-derived biphasic calcium phosphate scaffolds with polymeric coatings. *Materials Science and Engineering C*, **2019**, 105, 110014	8.3	12
458	The effects of Cu2+ and La3+ doping on the sintering ability of sol-gel derived high silica bioglasses. *Ceramics International*, **2019**, 45, 10269-10278	5.1	5
457	Elucidating the formation of Al-NBO bonds, Al-O-Al linkages and clusters in alkaline-earth aluminosilicate glasses based on molecular dynamics simulations. *Physical Chemistry Chemical Physics*, **2019**, 21, 23966-23977	3.6	14
456	The structural role of lanthanum oxide in silicate glasses. *Journal of Non-Crystalline Solids*, **2019**, 505, 18-27	3.9	17
455	Robocasting of ceramic glass scaffolds: Sol□gel glass, new horizons. *Journal of the European Ceramic Society*, **2019**, 39, 1625-1634	6	12
454	Antibacterial efficiency of alkali-free bio-glasses incorporating ZnO and/or SrO as therapeutic agents. *Ceramics International*, **2019**, 45, 4368-4380	5.1	18
453	Chitosan and polyethylene glycol based membranes with antibacterial properties for tissue regeneration. *Materials Science and Engineering C*, **2019**, 96, 606-615	8.3	23
452	Direct ink writing of macroporous lead-free piezoelectric Ba0.85Ca0.15Zr0.1Ti0.9O3. *Journal of the American Ceramic Society*, **2019**, 102, 3191-3203	3.8	20
451	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	8.3	22
450	The influence of processing parameters on morphology and granulometry of a wet-milled sol-gel glass powder. *Ceramics International*, **2018**, 44, 12754-12762	5.1	5
449	Structure and Crystallization of Alkaline-Earth Aluminosilicate Glasses: Prevention of the Alumina-Avoidance Principle. *Journal of Physical Chemistry B*, **2018**, 122, 4737-4747	3.4	26
448	Influence of the Ca/P ratio and cooling rate on the allotropic □-Tricalcium phosphate phase transformations. *Ceramics International*, **2018**, 44, 8249-8256	5.1	15

447	Effects of catalysts on polymerization and microstructure of sol-gel derived bioglasses. *Journal of the American Ceramic Society*, **2018**, 101, 2831-2839	3.8	7
446	Can the regenerative potential of an alkali-free bioactive glass composition be enhanced when mixed with resorbable TCP?. *Ceramics International*, **2018**, 44, 5025-5031	5.1	5
445	Structural and impedance spectroscopy characteristics of BaCO/BaSnO/SnO nanocomposite: observation of a non-monotonic relaxation behavior.. *RSC Advances*, **2018**, 8, 2100-2108	3.7	11
444	Enhanced bioactivity of a rapidly-dried sol-gel derived quaternary bioglass. *Materials Science and Engineering C*, **2018**, 91, 36-43	8.3	14
443	Development and rheological characterisation of an industrial liquid fuel consisting of charcoal dispersed in water. *Journal of the Energy Institute*, **2018**, 91, 519-526	5.7	6
442	Dispersion and flow properties of charcoal oil slurries (ChOS) as potential renewable industrial liquid fuels. *Journal of the Energy Institute*, **2018**, 91, 978-983	5.7	12
441	Synthesis and bioactivity assessment of high silica content quaternary glasses with Ca: P ratios of 1.5 and 1.67, made by a rapid sol-gel process. *Journal of Biomedical Materials Research - Part A*, **2018** , 106, 510-520	5.4	10
440	Doping TCP as a Strategy for Enhancing the Regenerative Potential of Composite TCP-Alkali-Free Bioactive Glass Bone Grafts. Experimental Study in Rats. *Materials*, **2018**, 12,	3.5	8
439	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	3.9	28
438	Bioactive Glasses and Glass-Ceramics for Healthcare Applications in Bone Regeneration and Tissue Engineering. *Materials*, **2018**, 11,	3.5	101
437	Cationic Substitutions in Hydroxyapatite: Current Status of the Derived Biofunctional Effects and Their In Vitro Interrogation Methods. *Materials*, **2018**, 11,	3.5	114
436	Synthetic and Marine-Derived Porous Scaffolds for Bone Tissue Engineering. *Materials*, **2018**, 11,	3.5	37
435	Robocasting: Prediction of ink printability in solgel bioactive glass. *Journal of the American Ceramic Society*, **2018**, 102, 1608	3.8	2
434	The in vivo performance of an alkali-free bioactive glass for bone grafting, FastOs BG, assessed with an ovine model. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2017**, 105, 30-38	3.5	18
433	Dependence of Eu 3+ photoluminescence properties on structural transformations in diopside-based glass-ceramics. *Journal of Alloys and Compounds*, **2017**, 699, 856-865	5.7	4
432	Formation Mechanisms in Ca(PO)-ZnO Composites: Structural Repercussions of Composition and Heat Treatments. *Inorganic Chemistry*, **2017**, 56, 1289-1299	5.1	14
431	Optical and magnetic properties of ZnO/ZnFe2O4 nanocomposite. *Materials Chemistry and Physics*, **2017**, 192, 330-338	4.4	27
430	Comparison of the cadmium removal efficiency by two calcium phosphate powders. *Journal of Environmental Chemical Engineering*, **2017**, 5, 1475-1483	6.8	2

429	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	6	4
428	Phase transition mechanisms involved in the formation of structurally stable Ca3(PO4)2-Al2O3 composites. *Journal of the European Ceramic Society*, **2017**, 37, 2953-2963	6	10
427	Injectable MnSr-doped brushite bone cements with improved biological performance. *Journal of Materials Chemistry B*, **2017**, 5, 2775-2787	7.3	17
426	A hundred times faster: Novel, rapid sol-gel synthesis of bio-glass nanopowders (Si-Na-Ca-P system, Ca:P = 1.67) without aging. *International Journal of Applied Glass Science*, **2017**, 8, 337-343	1.8	15
425	Enhanced local piezoelectric response in the erbium-doped ZnO nanostructures prepared by wet chemical synthesisPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. *Journal of Asian Ceramic Societies*, **2017**, 5, 1-6	2.4	1
424	Understanding the Formation of CaAlSiO in Melilite-Based Glass-Ceramics: Combined Diffraction and Spectroscopic Studies. *ACS Omega*, **2017**, 2, 6233-6243	3.9	15
423	Bioglass implant-coating interactions in synthetic physiological fluids with varying degrees of biomimicry. *International Journal of Nanomedicine*, **2017**, 12, 683-707	7.3	50
422	Biocompatibility and antimicrobial activity of biphasic calcium phosphate powders doped with metal ions for regenerative medicine. *Ceramics International*, **2017**, 43, 15719-15728	5.1	39
421	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	3.6	9
420	Additive manufacturing of 3D porous alkali-free bioactive glass scaffolds for healthcare applications. *Journal of Materials Science*, **2017**, 52, 12079-12088	4.3	18
419	Nanocrystalline ZnOSnO2 mixed metal oxide powder: microstructural study, optical properties, and photocatalytic activity. *Journal of Sol-Gel Science and Technology*, **2017**, 84, 274-282	2.3	14
418	Preparation of dense spherical AlN fillers by aqueous granulation and post-sintering process. *Ceramics International*, **2017**, 43, 2027-2032	5.1	5
417	Osteogenic capacity of alkali-free bioactive glasses. In vitro studies. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2017**, 105, 2360-2365	3.5	22
416	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	6	55
415	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	8.3	49
414	The key Features expected from a Perfect Bioactive Glass How Far we still are from an Ideal Composition?. *Biomedical Journal of Scientific & Technical Research*, **2017**, 1,	1.6	4
413	Thermo-mechanical and high-temperature dielectric properties of cordierite-mullite-alumina ceramics. *Ceramics International*, **2016**, 42, 16897-16905	5.1	24
412	Two different techniques used in the production of foam structures: 3D printing and glass foaming. *Ciência & Tecnologia Dos Materiais*, **2016**, 28, 29-33		

411	A new class of closed-cell aluminium foams reinforced with carbon nanotubes. *Ciência & Tecnologia Dos Materiais*, **2016**, 28, 5-8		3
410	The Influence of Cu2+ and Mn2+ Ions on the Structure and Crystallization of Diopside–Calcium Pyrophosphate Bioglasses. *International Journal of Applied Glass Science*, **2016**, 7, 345-354	1.8	4
409	Influence of Al2O3 and B2O3 on Sintering and Crystallization of Lithium Silicate Glass System. *Journal of the American Ceramic Society*, **2016**, 99, 833-840	3.8	12
408	Insights on the properties of levofloxacin-adsorbed Sr- and Mg-doped calcium phosphate powders. *Journal of Materials Science: Materials in Medicine*, **2016**, 27, 123	4.5	8
407	The effect of functional ions (Y3+, F−, Ti4+) on the structure, sintering and crystallization of diopside-calcium pyrophosphate bioglasses. *Journal of Non-Crystalline Solids*, **2016**, 443, 162-171	3.9	9
406	Alkali-free bioactive diopside–tricalcium phosphate glass-ceramics for scaffold fabrication: Sintering and crystallization behaviours. *Journal of Non-Crystalline Solids*, **2016**, 432, 81-89	3.9	21
405	Carbothermal synthesis of micro-scale spherical AlN granules with CaF2 additive. *Journal of Alloys and Compounds*, **2016**, 663, 823-828	5.7	23
404	Antibiotic-loaded Sr-doped porous calcium phosphate granules as multifunctional bone grafts. *Ceramics International*, **2016**, 42, 2706-2716	5.1	18
403	Deposition, structure, physical and invitro characteristics of Ag-doped β-Ca3(PO4)2/chitosan hybrid composite coatings on Titanium metal. *Materials Science and Engineering C*, **2016**, 62, 692-701	8.3	23
402	Submicrometer Hollow Bioglass Cones Deposited by Radio Frequency Magnetron Sputtering: Formation Mechanism, Properties, and Prospective Biomedical Applications. *ACS Applied Materials & Interfaces*, **2016**, 8, 4357-67	9.5	22
401	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	8.1	5
400	Influence of Mg-doping, calcium pyrophosphate impurities and cooling rate on the allotropic α-m β-tricalcium phosphate phase transformations. *Journal of the European Ceramic Society*, **2016**, 36, 817-827	6	41
399	Composite and Nanocomposite Metal Foams. *Materials*, **2016**, 9,	3.5	75
398	Fabrication of ceramic microneedles – 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	6	14
397	Statistics of silicate units in binary glasses. *Journal of Chemical Physics*, **2016**, 145, 124505	3.9	7
396	Ba-doped ZnO nanostructure: X-ray line analysis and optical properties in visible and low frequency infrared. *Ceramics International*, **2016**, 42, 12860-12867	5.1	15
395	In Situ Impregnation of Silver Nanoclusters in Microporous Chitosan-PEG Membranes as an Antibacterial and Drug Delivery Percutaneous Device. *Langmuir*, **2016**, 32, 10305-10316	4	34
394	Understanding the composition-structure-bioactivity relationships in diopside (CaO–MgO–2SiO2)–tricalcium phosphate (3CaO–P2O5) glass system. *Acta Biomaterialia*, **2015**, 15, 210-26	10.8	26

393	Dielectrical Properties of CeO2 Nanoparticles at Different Temperatures. *PLoS ONE*, **2015**, 10, e0122989	3.7	55
392	A novel approach to prepare aluminium-alloy foams reinforced by carbon-nanotubes. *Materials Letters*, **2015**, 160, 162-166	3.3	51
391	Development of bilayer glass-ceramic SOFC sealants via optimizing the chemical composition of glasses□ review. *Journal of Solid State Electrochemistry*, **2015**, 19, 2899-2916	2.6	20
390	Influence of ZnO/MgO substitution on sintering, crystallisation, and bio-activity of alkali-free glass-ceramics. *Materials Science and Engineering C*, **2015**, 53, 252-61	8.3	18
389	Preventing hydrolysis of BaTiO3 powders during aqueous processing and of bulk ceramics after sintering. *Journal of the European Ceramic Society*, **2015**, 35, 2471-2478	6	2
388	Injectability of calcium phosphate pastes: Effects of particle size and state of aggregation of □tricalcium phosphate powders. *Acta Biomaterialia*, **2015**, 21, 204-16	10.8	28
387	Effect of Ni doping on structural and optical properties of Zn1□NixO nanopowder synthesized via low cost sono-chemical method. *Materials Research Bulletin*, **2015**, 70, 430-435	5.1	11
386	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	3.8	13
385	Glass structure and crystallization of Al and B containing glasses belonging to the Li2O□SiO2 system. *RSC Advances*, **2015**, 5, 41066-41078	3.7	21
384	Synthesis and in vitro bioactivity assessment of injectable bioglass□organic pastes for bone tissue repair. *Ceramics International*, **2015**, 41, 9373-9382	5.1	12
383	On the mechanical properties of PLC-bioactive glass scaffolds fabricated via BioExtrusion. *Materials Science and Engineering C*, **2015**, 57, 288-93	8.3	22
382	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, 313-27	4.1	28
381	The structural and optical constants of Ag2S semiconductor nanostructure in the Far-Infrared. *Chemistry Central Journal*, **2015**, 9, 28		55
380	An effective approach to reinforced closed-cell Al-alloy foams with multiwalled carbon nanotubes. *Carbon*, **2015**, 95, 589-600	10.4	40
379	Manufacturing and bending behaviour of in situ foam-filled aluminium alloy tubes. *Materials & Design*, **2015**, 66, 532-544		78
378	Hydrothermal Synthesis of Si-doped Hydroxyapatite Nanopowders: Mechanical and Bioactivity Evaluation. *International Journal of Applied Ceramic Technology*, **2015**, 12, 329-340	2	7
377	Effects of Mg-Doping and of Reinforcing Multiwalled Carbon Nanotubes Content on the Structure and Properties of Hydroxyapatite Nanocomposite Ceramics. *International Journal of Applied Ceramic Technology*, **2015**, 12, 264-272	2	3
376	Novel doped calcium phosphate-PMMA bone cement composites as levofloxacin delivery systems. *International Journal of Pharmaceutics*, **2015**, 490, 200-8	6.5	20

375	Mechanically stable antimicrobial chitosan-PVA-silver nanocomposite coatings deposited on titanium implants. *Carbohydrate Polymers*, **2015**, 121, 37-48	10.3	81
374	Structural and dielectric properties of Al-doped ZnO nanostructures. *Ceramics International*, **2014**, 40, 6031-6036	5.1	59
373	Robocasting of 45S5 bioactive glass scaffolds for bone tissue engineering. *Journal of the European Ceramic Society*, **2014**, 34, 107-118	6	104
372	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	6.7	12
371	Nanomechanical characterization of bioglass films synthesized by magnetron sputtering. *Thin Solid Films*, **2014**, 553, 166-172	2.2	27
370	Electrical properties of Ag-doped ZnO nano-plates synthesized via wet chemical precipitation method. *Ceramics International*, **2014**, 40, 4471-4477	5.1	32
369	2D Quantitative Analysis of Metal Foaming Kinetics by Hot-Stage Microscopy. *Advanced Engineering Materials*, **2014**, 16, 33-39	3.5	16
368	Fabrication of Barium Strontium Titanate (Ba0.6Sr0.4 TiO3) 3D Microcomponents from Aqueous Suspensions. *Journal of the American Ceramic Society*, **2014**, 97, 725-732	3.8	17
367	Role of manganese on the structure, crystallization and sintering of non-stoichiometric lithium disilicate glasses. *RSC Advances*, **2014**, 4, 13581	3.7	22
366	Fostering the properties of Zr0.8Sn0.2TiO4 (ZST) ceramics via freeze granulation without sintering additives. *RSC Advances*, **2014**, 4, 48734-48740	3.7	11
365	Structure, biodegradation behavior and cytotoxicity of alkali-containing alkaline-earth phosphosilicate glasses. *Materials Science and Engineering C*, **2014**, 44, 159-65	8.3	25
364	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	5.1	11
363	Environmental friendly management of CRT glass by foaming with waste egg shells, calcite or dolomite. *Ceramics International*, **2014**, 40, 13371-13379	5.1	49
362	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	1.6	30
361	Study of far infrared optical properties and, photocatalytic activity of ZnO/ZnS hetero-nanocomposite structure. *RSC Advances*, **2014**, 4, 35383	3.7	18
360	Fabricating and characterising ZnO-ZnS-Ag□ ternary nanostructures with efficient solar-light photocatalytic activity. *Physical Chemistry Chemical Physics*, **2014**, 16, 22418-25	3.6	30
359	Structure, properties and crystallization of non-stoichiometric lithium disilicate glasses containing CaF2. *Journal of Non-Crystalline Solids*, **2014**, 406, 54-61	3.9	5
358	Successful aqueous processing of a lead free 0.5Ba(Zr0.2Ti0.8)O3□0.5(Ba0.7Ca0.3)TiO3 piezoelectric material composition. *RSC Advances*, **2014**, 4, 26993-27002	3.7	15

357	Enhancement of 1536nm emission of Er doped ZnO nanopowder by Ag doping. *Optical Materials*, **2014**, 36, 1295-1298	3.3	11
356	Impedance analysis of 0.5Ba(Zr0.2Ti0.8)O3–0.5(Ba0.7Ca0.3)TiO3 ceramics consolidated from micro-granules. *Ceramics International*, **2014**, 40, 10593-10600	5.1	65
355	Enhancement of near infrared emission in La co-doped ZnO/Er nanoplates. *Ceramics International*, **2014**, 40, 12947-12951	5.1	9
354	Structure–property relationships and densification-crystallization behaviours of simplified lithium disilicate glass compositions. *Ceramics International*, **2014**, 40, 129-140	5.1	18
353	Structural, mechanical and dielectric properties of Ba0.6Sr0.4TiO3—The benefits of a colloidal processing approach. *Materials Research Bulletin*, **2014**, 50, 329-336	5.1	13
352	Thermal and mechanical stability of lanthanide-containing glass–ceramic sealants for solid oxide fuel cells. *Journal of Materials Chemistry A*, **2014**, 2, 1834-1846	13	28
351	Far-infrared optical constants of ZnO and ZnO/Ag nanostructures. *RSC Advances*, **2014**, 4, 20902-20908	3.7	48
350	Fostering hydroxyapatite bioactivity and mechanical strength by Si-doping and reinforcing with multiwall carbon nanotubes. *Journal of Nanoscience and Nanotechnology*, **2014**, 14, 4409-17	1.3	1
349	Quantum cutting effect and photoluminescence emission at about 1,000 nm from Er–Yb co-doped ZnO nanoplates prepared by wet chemical precipitation method. *Applied Physics A: Materials Science and Processing*, **2014**, 117, 2289-2294	2.6	3
348	Exchange bias beyond the superparamagnetic blocking temperature of the antiferromagnet in a Ni-NiO nanoparticulate system. *Journal of Applied Physics*, **2014**, 115, 073904	2.5	21
347	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	2.5	3
346	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, 3264-78	10.8	52
345	Effects of Mn-doping on the structure and biological properties of β-tricalcium phosphate. *Journal of Inorganic Biochemistry*, **2014**, 136, 57-66	4.2	54
344	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	5.1	114
343	Er doped ZnO nanoplates: Synthesis, optical and dielectric properties. *Ceramics International*, **2014**, 40, 1635-1639	5.1	71
342	Bi-layer glass-ceramic sealant for solid oxide fuel cells. *Journal of the European Ceramic Society*, **2014**, 34, 1449-1455	6	11
341	Al2O3/K2O-containing non-stoichiometric lithium disilicate-based glasses. *Journal of Thermal Analysis and Calorimetry*, **2013**, 112, 1359-1368	4.1	7
340	Strong bonding between sputtered bioglass–ceramic films and Ti-substrate implants induced by atomic inter-diffusion post-deposition heat-treatments. *Applied Surface Science*, **2013**, 280, 530-538	6.7	40

339	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, 4160-6	8.3	43
338	Structural role of zinc in biodegradation of alkali-free bioactive glasses. *Journal of Materials Chemistry B*, **2013**, 1, 3073-3082	7.3	46
337	Hydroxyapatite coating on selectively passivated and sensitively polymer-protected surgical grade stainless steel. *Journal of Applied Electrochemistry*, **2013**, 43, 331-345	2.6	19
336	Sintering and devitrification of glass-powder compacts in the akermanite□gehlenite system. *Journal of Materials Science*, **2013**, 48, 4128-4136	4.3	18
335	Thermo-mechanical behaviour of alkali free bioactive glass-ceramics co-doped with strontium and zinc. *Journal of Non-Crystalline Solids*, **2013**, 375, 74-82	3.9	18
334	Is the ubiquitous presence of barium carbonate responsible for the poor aqueous processing ability of barium titanate?. *Journal of the European Ceramic Society*, **2013**, 33, 2509-2517	6	15
333	Diopside□Ba disilicate glass□ceramic sealants for SOFCs: Enhanced adhesion and thermal stability by Sr for Ca substitution. *International Journal of Hydrogen Energy*, **2013**, 38, 3073-3086	6.7	38
332	Aluminosilicate-based sealants for SOFCs and other electrochemical applications□A brief review. *Journal of Power Sources*, **2013**, 242, 486-502	8.9	78
331	A simple recipe for direct writing complex 45S5 Bioglass□ 3D scaffolds. *Materials Letters*, **2013**, 93, 68-71	3.3	75
330	Luminescence study of mixed valence Eu-doped nanocrystalline glass□eramics. *Optical Materials*, **2013**, 36, 198-206	3.3	15
329	Synthesis, processing and characterization of a bioactive glass composition for bone regeneration. *Ceramics International*, **2013**, 39, 2519-2526	5.1	31
328	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	4.3	52
327	Lead-free 0.5Ba(Zr0.2Ti0.8)O3□0.5(Ba0.7Ca0.3)TiO3 powder surface treated against hydrolysis□a key for a successful aqueous processing. *Journal of Materials Chemistry C*, **2013**, 1, 4846	7.1	17
326	Apatite crystallization from glasses in the Ca5(PO4)3F□CaAl2Si2O8□CaMgSi2O6□NaAlSi3O8 system. *Journal of Non-Crystalline Solids*, **2013**, 363, 32-38	3.9	8
325	Study of calcium□magnesium□luminum□silicate (CMAS) glass and glass-ceramic sealant for solid oxide fuel cells. *Journal of Power Sources*, **2013**, 231, 203-212	8.9	43
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