

Leena Hupa

List of Publications by Year in descending order

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175
papers

4,608
citations

109137

35
h-index

133063

59
g-index

181
all docs

181
docs citations

181
times ranked

4076
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of $\hat{I}^3\text{-Al}_2\text{O}_3/\hat{I}^\pm\text{-Al}_2\text{O}_3$ ceramic foams as catalyst carriers via the replica technique. <i>Catalysis Today</i> , 2022, 383, 64-73.	2.2	19
2	<i>In vitro</i> dissolution of bioactive glass S53P4 microspheres. <i>Journal of the American Ceramic Society</i> , 2022, 105, 1658-1670.	1.9	8
3	High temperature slagging gasification of municipal solid waste with biomass charcoal as a greener auxiliary fuel. <i>Journal of Hazardous Materials</i> , 2022, 423, 127057.	6.5	24
4	Injectable thiol-ene hydrogel of galactoglucomannan and cellulose nanocrystals in delivery of therapeutic inorganic ions with embedded bioactive glass nanoparticles. <i>Carbohydrate Polymers</i> , 2022, 276, 118780.	5.1	20
5	Citral-to-Menthol Transformations in a Continuous Reactor over Ni/Mesoporous Aluminosilicate Extrudates Containing a Sepiolite Clay Binder. <i>Organic Process Research and Development</i> , 2022, 26, 387-403.	1.3	11
6	Thermal Analysis and Optimization of the Phase Diagram of the Cu-Ag Sulfide System. <i>Energies</i> , 2022, 15, 593.	1.6	1
7	Effect of local ion concentrations on the <i>in vitro</i> reactions of bioactive glass 45S5 particles. <i>International Journal of Applied Glass Science</i> , 2022, 13, 695-707.	1.0	6
8	Amino Acids Reduce Mild Steel Corrosion in Used Cooking Oils. <i>Sustainability</i> , 2022, 14, 3858.	1.6	0
9	Corrosion of Heat Transfer Materials by Potassium-Contaminated Ilmenite Bed Particles in Chemical-Looping Combustion of Biomass. <i>Energies</i> , 2022, 15, 2740.	1.6	5
10	Metal Rod Surfaces after Exposure to Used Cooking Oils. <i>Sustainability</i> , 2022, 14, 355.	1.6	1
11	<i>In vitro</i> dissolution and characterisation of flame-sprayed bioactive glass microspheres S53P4 and 13 \hat{a} 93. <i>Journal of Non-Crystalline Solids</i> , 2022, 591, 121736.	1.5	7
12	Glass as a biomaterial: strategies for optimising bioactive glasses for clinical applications. <i>Comptes Rendus - Geoscience</i> , 2022, 354, 185-197.	0.4	2
13	Thermodynamic Examination of Quaternary Compounds in the Ag \hat{a} Fe \hat{a} (Ge, Sn) \hat{a} Se Systems by the Solid-State EMF Method. <i>Minerals, Metals and Materials Series</i> , 2021, , 271-283.	0.3	1
14	The Equilibrium Phase Formation and Thermodynamic Properties of Functional Tellurides in the Ag \hat{a} Fe \hat{a} Ge \hat{a} Te System. <i>Energies</i> , 2021, 14, 1314.	1.6	6
15	Deactivation and regeneration of Pt \hat{a} modified zeolite Beta \hat{a} Bindzil extrudates in n \hat{a} hexane hydroisomerization. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 1645-1655.	1.6	4
16	Behaviour of different bioactive glasses incorporated in polydimethylsiloxane endodontic sealer. <i>Dental Materials</i> , 2021, 37, 321-327.	1.6	9
17	Effect of bioactive glass air \hat{a} abrasion on <i>Fusobacterium nucleatum</i> and <i>Porphyromonas gingivalis</i> biofilm formed on moderately rough titanium surface. <i>European Journal of Oral Sciences</i> , 2021, 129, e12783.	0.7	5
18	Influence of the replacement of silica by boron trioxide on the properties of bioactive glass scaffolds. <i>International Journal of Applied Glass Science</i> , 2021, 12, 293-312.	1.0	18

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19	Synthesis and Thermodynamic Investigation of Energy Materials in the Ag-Te-Cl System by the Solid-State Galvanic Cells. <i>Jom</i> , 2021, 73, 1487-1494.	0.9	3
20	Thermal Conversion Characteristics of Molasses. <i>ACS Omega</i> , 2021, 6, 21631-21645.	1.6	8
21	Spinning of Endless Bioactive Silicate Glass Fibres for Fibre Reinforcement Applications. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7927.	1.3	3
22	Dissolution of Amorphous S53P4 Glass Scaffolds in Dynamic In Vitro Conditions. <i>Materials</i> , 2021, 14, 4834.	1.3	5
23	Structural and elemental characterization of glass and ceramic particles for bone surgery. <i>Dental Materials</i> , 2021, 37, 1350-1357.	1.6	9
24	Impact of boiler load and limestone addition on SO ₃ and corrosive cold-end deposits in a coal-fired CFB boiler. <i>Fuel</i> , 2021, 304, 121313.	3.4	12
25	Effect of Storage Time on the Physicochemical Properties of Waste Fish Oils and Used Cooking Vegetable Oils. <i>Energies</i> , 2021, 14, 101.	1.6	2
26	The physicochemical and catalytic properties of clay extrudates in cyclization of citronellal. <i>Applied Catalysis A: General</i> , 2021, , 118426.	2.2	11
27	In Vitro Dissolution of Na-Ca-P-Oxynitrides. <i>Materials</i> , 2021, 14, 7425.	1.3	2
28	Bioactive glass ions for <i>in vitro</i> osteogenesis and microvascularization in gellan gum-collagen hydrogels. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 1332-1342.	1.6	11
29	Application of bipolar electrochemistry to accelerate dew point corrosion for screening of steel materials for power boilers. <i>Fuel</i> , 2020, 265, 116886.	3.4	9
30	Detection of gaseous species during KCl-induced high-temperature corrosion by the means of CPFAAS and Cl-APi-TOF. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2020, 71, 222-231.	0.8	3
31	Investigation of the K-Mg-Ca Sulfate System as Part of Monitoring Problematic Phase Formations in Renewable-Energy Power Plants. <i>Energies</i> , 2020, 13, 5366.	1.6	10
32	On-line microcolumn-based dynamic leaching method for investigation of lead bioaccessibility in shooting range soils. <i>Chemosphere</i> , 2020, 256, 127022.	4.2	18
33	Effect of bioactive glass air-abrasion on the wettability and osteoblast proliferation on sandblasted and acid-etched titanium surfaces. <i>European Journal of Oral Sciences</i> , 2020, 128, 160-169.	0.7	9
34	Agglomeration tendency of a fluidized bed during addition of different phosphate compounds. <i>Fuel</i> , 2020, 268, 117300.	3.4	12
35	The impact of wollastonite and dolomite on chemical durability of matte fast-fired raw glazes. <i>Journal of the European Ceramic Society</i> , 2020, 40, 3327-3337.	2.8	8
36	Bioactive Glass (BG) ICIE16 Shows Promising Osteogenic Properties Compared to Crystallized 45S5-BG. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1639.	1.8	37

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37	Development of nano-porous hydroxyapatite coated e-glass for potential bone-tissue engineering application: An in vitro approach. <i>Materials Science and Engineering C</i> , 2020, 111, 110764.	3.8	10
38	A review of acellular immersion tests on bioactive glassesâ€™â€™influence of medium on ion release and apatite formation. <i>International Journal of Applied Glass Science</i> , 2020, 11, 537-551.	1.0	25
39	Potassium Ash Interactions with Oxygen Carriers Steel Converter Slag and Iron Mill Scale in Chemical-Looping Combustion of Biomassâ€™â€™Experimental Evaluation Using Model Compounds. <i>Energy & Fuels</i> , 2020, 34, 2304-2314.	2.5	34
40	Fuel and thermal NO formation during black liquor droplet pyrolysis with envelope flame. <i>Fuel</i> , 2020, 271, 117512.	3.4	2
41	Understanding the Interaction of Potassium Salts with an Ilmenite Oxygen Carrier Under Dry and Wet Conditions. <i>ACS Omega</i> , 2020, 5, 22966-22977.	1.6	23
42	High-Temperature Oxidation of Bismuth- and Antimony-Based Sulfosalts. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2019, 40, 67-78.	2.6	3
43	3D Scaffolds of Polycaprolactone/Copper-Doped Bioactive Glass: Architecture Engineering with Additive Manufacturing and Cellular Assessments in a Coculture of Bone Marrow Stem Cells and Endothelial Cells. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 4496-4510.	2.6	25
44	Energy conversion of biomass char: Oxidation rates in mixtures of O ₂ /CO ₂ /H ₂ O. <i>Energy</i> , 2019, 181, 615-624.	4.5	23
45	Effect of Binders on the Physicochemical and Catalytic Properties of Extrudate-Shaped Beta Zeolite Catalysts for Cyclization of Citronellal. <i>Organic Process Research and Development</i> , 2019, 23, 2456-2463.	1.3	28
46	Air Abrasion with Bioactive Glass Eradicates <i>Streptococcus mutans</i> Biofilm from a Sandblasted and Acid-Etched Titanium Surface. <i>Journal of Oral Implantology</i> , 2019, 45, 444-450.	0.4	5
47	Low Mg or Zn substitution for improved thermal properties of Bioglass 45S5. <i>Materials Letters</i> , 2019, 256, 126599.	1.3	11
48	Synthesis and Physicochemical Characterization of Shaped Catalysts of β and γ Zeolites for Cyclization of Citronellal. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 18084-18096.	1.8	31
49	Hygroscopic Properties of Calcium Chloride and Its Role on Cold-End Corrosion in Biomass Combustion. <i>Energy & Fuels</i> , 2019, 33, 11913-11922.	2.5	20
50	Characterization of waste bio-oil as an alternate source of renewable fuel for marine engines. <i>Biofuels</i> , 2019, , 1-10.	1.4	6
51	Initial oxidation mechanisms of stainless steel Sanicro 28 (35Fe27Cr31Ni) exposed to KCl, NaCl, and K ₂ CO ₃ under dry and humid conditions at 535â€™%â€™C. <i>Corrosion Science</i> , 2019, 155, 29-45.	3.0	16
52	Effect of the Preparation of Pt-Modified Zeolite Beta-Bentonite Extrudates on Their Catalytic Behavior in n-Hexane Hydroisomerization. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 10875-10885.	1.8	38
53	Characterization of Vinasse for Thermochemical Conversionâ€™â€™Fuel Fractionation, Release of Inorganics, and Ash-Melting Behavior. <i>Energy & Fuels</i> , 2019, 33, 5840-5848.	2.5	8
54	Impact of sodium salts on agglomeration in a laboratory fluidized bed. <i>Fuel</i> , 2019, 245, 305-315.	3.4	17

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55	Thermochemical Data of Selected Phases in the FeOxâ€“FeSO4â€“Fe2(SO4)3 System. Minerals, Metals and Materials Series, 2019, , 227-240.	0.3	0
56	Pre-oxidation as a Means to Increase Corrosion Resistance of Commercial Superheater Steels. Oxidation of Metals, 2019, 91, 311-326.	1.0	4
57	Melting behaviour of raw glazes. Journal of the European Ceramic Society, 2019, 39, 4404-4416.	2.8	12
58	Glass ionomer bone cements based on magnesium-containing bioactive glasses. Biomedical Glasses, 2019, 5, 1-12.	2.4	1
59	Thermal Stability and Thermodynamics of the Ag2ZnGeS4 Compound. Minerals, Metals and Materials Series, 2019, , 215-226.	0.3	2
60	Bioactive glass ions induce efficient osteogenic differentiation of human adipose stem cells encapsulated in gellan gum and collagen type I hydrogels. Materials Science and Engineering C, 2019, 99, 905-918.	3.8	38
61	Bioactivity and dissolution behavior of boron-containing bioactive glasses under static and dynamic conditions in different media. Biomedical Glasses, 2019, 5, 124-139.	2.4	33
62	Factors Affecting the Corrosive Behavior of Used Cooking Oils and a Non-Edible Fish Oil That Are in Contact with Ferrous Metals. Energies, 2019, 12, 4812.	1.6	6
63	Three Megapixel Ultrasonic Microscope Imaging. , 2019, , .		7
64	Synthesis of menthol from citronellal over supported Ru- and Pt-catalysts in continuous flow. Reaction Chemistry and Engineering, 2019, 4, 2156-2169.	1.9	18
65	Bone morphogenic protein expression and bone formation are induced by bioactive glass S53P4 scaffolds <i>in vivo</i>. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 847-857.	1.6	17
66	Fast Pyrolysis of Dried Sugar Cane Vinasse at 400 and 500 Â°C: Product Distribution and Yield. Energy & Fuels, 2019, 33, 1236-1247.	2.5	14
67	S53P4 Bioactive Glass Inorganic Ions for Vascularized Bone Tissue Engineering by Dental Pulp Pluripotent-Like Stem Cell Cocultures. Tissue Engineering - Part A, 2019, 25, 1213-1224.	1.6	7
68	Bioactive Glasses. Springer Handbooks, 2019, , 813-849.	0.3	2
69	Antibacterial properties of bioactive glass particle abraded titanium against <i>Streptococcus mutans</i>. Biomedical Physics and Engineering Express, 2018, 4, 045002.	0.6	11
70	Thermodynamic Properties of Magnetic Semiconductors Ag2FeSn3S8 and Ag2FeSnS4 Determined by the EMF Method. Minerals, Metals and Materials Series, 2018, , 87-98.	0.3	3
71	The K2SO4â€“CaSO4 System and Its Role in Fouling and Slagging During High-Temperature Processes. Minerals, Metals and Materials Series, 2018, , 133-142.	0.3	0
72	Defluidization of the oxygen carrier ilmenite â€“ Laboratory experiments with potassium salts. Energy, 2018, 148, 930-940.	4.5	38

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73	Bioactive dental materials—Do they exist and what does bioactivity mean?. <i>Dental Materials</i> , 2018, 34, 693-694.	1.6	126
74	The Effect of Temperature on the Formation of Oxide Scales Regarding Commercial Superheater Steels. <i>Oxidation of Metals</i> , 2018, 89, 251-278.	1.0	8
75	Ash melting behaviour of wheat straw blends with wood and reed. <i>Renewable Energy</i> , 2018, 124, 11-20.	4.3	37
76	Determination of the thermodynamic properties of the Ag ₂ CdSn ₃ S ₈ and Ag ₂ CdSn ₄ phases in the Ag—Cd—Sn—S system by the solid-state electrochemical cell method. <i>Journal of Chemical Thermodynamics</i> , 2018, 118, 255-262.	1.0	16
77	Dissolution of borate and borosilicate bioactive glasses and the influence of ion (Zn, Cu) doping in different solutions. <i>Journal of Non-Crystalline Solids</i> , 2018, 502, 22-34.	1.5	56
78	Interaction of High Al ₂ O ₃ Refractories with Alkaline Salts Containing Potassium and Sodium in Biomass and Waste Combustion. <i>Energy & Fuels</i> , 2018, 32, 12971-12980.	2.5	14
79	Dissolution and mineralization characterization of bioactive glass ceramic containing endodontic sealer Guttaflow Bioseal. <i>Dental Materials Journal</i> , 2018, 37, 988-994.	0.8	24
80	Experimental investigation and thermodynamic re-assessment of the ternary copper-nickel-lead system. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2018, 61, 148-156.	0.7	1
81	Phase Equilibria and Thermodynamics of Selected Compounds in the Ag—Fe—Sn—S System. <i>Journal of Electronic Materials</i> , 2018, 47, 5433-5442.	1.0	9
82	A process for producing lignin and volatile compounds from hydrolysis liquor. <i>Biotechnology for Biofuels</i> , 2017, 10, 47.	6.2	14
83	Do properties of bioactive glasses exhibit mixed alkali behavior?. <i>Journal of Materials Science</i> , 2017, 52, 8986-8997.	1.7	14
84	Effect of partial crystallization on the structural and Er ³⁺ luminescence properties of phosphate-based glasses. <i>Optical Materials</i> , 2017, 64, 230-238.	1.7	5
85	High-Temperature Corrosion of Refractory Materials in Biomass and Waste Combustion: Method Development and Tests with Alumina Refractory Exposed to a K ₂ CO ₃ —KCl Mixture. <i>Energy & Fuels</i> , 2017, 31, 10046-10054.	2.5	12
86	Improving urban mining practices for optimal recovery of resources from e-waste. <i>Minerals Engineering</i> , 2017, 111, 209-221.	1.8	101
87	Dissolution of Bioactive Glasses in Acidic Solutions with the Focus on Lactic Acid. <i>International Journal of Applied Glass Science</i> , 2016, 7, 154-163.	1.0	22
88	Compression properties and dissolution of bioactive glass S53P4 and n-butyl-2 cyanoacrylate tissue adhesive-composite. <i>Bio-Medical Materials and Engineering</i> , 2016, 27, 425-436.	0.4	1
89	Sodium-free mixed alkali bioactive glasses. <i>Biomedical Glasses</i> , 2016, 2, .	2.4	14
90	The effect of fibrin sealant on bioactive glass S53P4 particles—pH impact and dissolution characteristics in vitro. <i>Journal of Science: Advanced Materials and Devices</i> , 2016, 1, 482-487.	1.5	5

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91	Biocomposites of copper-containing mesoporous bioactive glass and nanofibrillated cellulose: Biocompatibility and angiogenic promotion in chronic wound healing application. <i>Acta Biomaterialia</i> , 2016, 46, 286-298.	4.1	151
92	Bioglass and Bioactive Glasses and Their Impact on Healthcare. <i>International Journal of Applied Glass Science</i> , 2016, 7, 423-434.	1.0	226
93	Ion Release, Hydroxyapatite Conversion, and Cytotoxicity of Boron-Containing Bioactive Glass Scaffolds. <i>International Journal of Applied Glass Science</i> , 2016, 7, 206-215.	1.0	48
94	Porous SiO ₂ nanofiber grafted novel bioactive glass-ceramic coating: A structural scaffold for uniform apatite precipitation and oriented cell proliferation on inert implant. <i>Materials Science and Engineering C</i> , 2016, 62, 206-214.	3.8	25
95	Controlling the ion release from mixed alkali bioactive glasses by varying modifier ionic radii and molar volume. <i>Journal of Materials Chemistry B</i> , 2016, 4, 3121-3134.	2.9	79
96	Effect of the glass melting condition on the processing of phosphate-based glass-ceramics with persistent luminescence properties. <i>Optical Materials</i> , 2016, 52, 56-61.	1.7	12
97	A glass fiber-reinforced composite - bioactive glass cranioplasty implant: A case study of an early development stage implant removed due to a late infection. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 55, 191-200.	1.5	39
98	Dissolution behavior of the bioactive glass S53P4 when sodium is replaced by potassium, and calcium with magnesium or strontium. <i>Journal of Non-Crystalline Solids</i> , 2016, 432, 41-46.	1.5	32
99	Influence of zinc and magnesium substitution on ion release from Bioglass 45S5 at physiological and acidic pH. <i>Biomedical Glasses</i> , 2015, 1, .	2.4	19
100	Er ³⁺ -Al ₂ O ₃ nanoparticles doping of borosilicate glass. <i>Bulletin of Materials Science</i> , 2015, 38, 1407-1410.	0.8	8
101	Hierarchically Designed Bioactive Glassy Nanocoatings for the Growth of Faster and Uniformly Dense Apatite. <i>Journal of the American Ceramic Society</i> , 2015, 98, 2428-2437.	1.9	8
102	Processing and characterization of novel borophosphate glasses and fibers for medical applications. <i>Journal of Non-Crystalline Solids</i> , 2015, 425, 52-60.	1.5	45
103	Fiber glass-bioactive glass composite for bone replacing and bone anchoring implants. <i>Dental Materials</i> , 2015, 31, 371-381.	1.6	79
104	Processing and characterization of phosphate glasses containing CaAl ₂ O ₄ :Eu ²⁺ ,Nd ³⁺ and SrAl ₂ O ₄ :Eu ²⁺ ,Dy ³⁺ microparticles. <i>Journal of the European Ceramic Society</i> , 2015, 35, 3863-3871.	2.8	28
105	Erbium-doped borosilicate glasses containing various amounts of P ₂ O ₅ and Al ₂ O ₃ : Influence of the silica content on the structure and thermal, physical, optical and luminescence properties. <i>Materials Research Bulletin</i> , 2015, 70, 47-54.	2.7	6
106	Bioactive glass ions as strong enhancers of osteogenic differentiation in human adipose stem cells. <i>Acta Biomaterialia</i> , 2015, 21, 190-203.	4.1	76
107	Impact of gastric acidic challenge on surface topography and optical properties of monolithic zirconia. <i>Dental Materials</i> , 2015, 31, 1445-1452.	1.6	45
108	Influence of P ₂ O ₅ and Al ₂ O ₃ content on the structure of erbium-doped borosilicate glasses and on their physical, thermal, optical and luminescence properties. <i>Materials Research Bulletin</i> , 2015, 63, 41-50.	2.7	18

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109	New alternative route for the preparation of phosphate glasses with persistent luminescence properties. <i>Journal of the European Ceramic Society</i> , 2015, 35, 1255-1261.	2.8	25
110	Phosphate-based glass fiber vs. bulk glass: Change in fiber optical response to probe in vitro glass reactivity. <i>Materials Science and Engineering C</i> , 2014, 37, 251-257.	3.8	27
111	In vitro blood and fibroblast responses to BisGMA/TEGDMA/bioactive glass composite implants. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 151-162.	1.7	11
112	Influence of SrO substitution for CaO on the properties of bioactive glass S53P4. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 657-668.	1.7	71
113	Effect of partial crystallization on the thermal, optical, structural and Er ³⁺ luminescence properties of silicate glasses. <i>Materials Chemistry and Physics</i> , 2014, 147, 1099-1109.	2.0	9
114	Thermal and structural characterization of erbium-doped borosilicate fibers with low silica content containing various amounts of P ₂ O ₅ and Al ₂ O ₃ . <i>Optical Materials</i> , 2014, 37, 87-92.	1.7	4
115	Effect of CeO ₂ doping on thermal, optical, structural and in vitro properties of a phosphate based bioactive glass. <i>Journal of Non-Crystalline Solids</i> , 2014, 402, 28-35.	1.5	16
116	Thermal properties and surface reactivity in simulated body fluid of new strontium ion-containing phosphate glasses. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 1407-1416.	1.7	39
117	Examining porous bio-active glass as a potential osteo-odonto-keratoprosthetic skirt material. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 1217-1227.	1.7	24
118	Dissolution patterns of biocompatible glasses in 2-amino-2-hydroxymethyl-propane-1,3-diol (Tris) buffer. <i>Acta Biomaterialia</i> , 2013, 9, 5400-5410.	4.1	62
119	Effect of the glass composition on the chemical durability of zinc-phosphate-based glasses in aqueous solutions. <i>Journal of Physics and Chemistry of Solids</i> , 2013, 74, 121-127.	1.9	35
120	Multi-layer porous fiber-reinforced composites for implants: In vitro calcium phosphate formation in the presence of bioactive glass. <i>Dental Materials</i> , 2012, 28, 1134-1145.	1.6	38
121	T _g behaviour of bioactive glasses 98 and 93. <i>Journal of the European Ceramic Society</i> , 2012, 32, 2731-2738.	2.8	39
122	Influence of the partial substitution of CaO with MgO on the thermal properties and in vitro reactivity of the bioactive glass S53P4. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 2701-2707.	1.5	59
123	In vitro behaviour of three biocompatible glasses in composite implants. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 2425-2435.	1.7	18
124	Copper-releasing, boron-containing bioactive glass-based scaffolds coated with alginate for bone tissue engineering. <i>Acta Biomaterialia</i> , 2012, 8, 792-801.	4.1	117
125	Phase composition and in vitro bioactivity of porous implants made of bioactive glass S53P4. <i>Acta Biomaterialia</i> , 2012, 8, 2331-2339.	4.1	46
126	Crystallization Mechanism of the Bioactive Glasses, 45S5 and S53P4. <i>Journal of the American Ceramic Society</i> , 2012, 95, 607-613.	1.9	119

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127	<sc><i>In vitro</i></sc> Degradation and Bioactivity of Tailored Amorphous Multi Porous Scaffold Structure. Journal of the American Ceramic Society, 2012, 95, 2687-2694.	1.9	18
128	Dissolution Kinetics of a Bioactive Glass by Continuous Measurement. Journal of the American Ceramic Society, 2012, 95, 3130-3137.	1.9	39
129	Surface reactions of bioactive glasses in buffered solutions. Journal of the European Ceramic Society, 2012, 32, 2757-2763.	2.8	69
130	Tailoring of Bioactive Glasses. , 2012, , 43-58.		0
131	Comparison of self-cleaning properties of three titania coatings on float glass. Applied Surface Science, 2011, 258, 1126-1131.	3.1	44
132	Control of the thermal properties of slow bioresorbable glasses by boron addition. Journal of Non-Crystalline Solids, 2011, 357, 3623-3630.	1.5	30
133	Effect of Mechanical and Chemical Wear on Soil Attachment and Cleanability of Sanitary Ware with Additional Coatings. Journal of the American Ceramic Society, 2011, 94, 951-958.	1.9	13
134	Bioactive composite for keratoprosthesis skirt. Journal of the Mechanical Behavior of Biomedical Materials, 2011, 4, 1700-1708.	1.5	22
135	Antibacterial effects and dissolution behavior of six bioactive glasses. Journal of Biomedical Materials Research - Part A, 2010, 93A, 475-483.	2.1	153
136	Corrosion of the crystalline phases of matte glazes in aqueous solutions. Journal of the European Ceramic Society, 2009, 29, 7-14.	2.8	29
137	Chemical resistance and cleaning properties of coated glazed surfaces. Journal of the European Ceramic Society, 2009, 29, 1855-1860.	2.8	34
138	Effect of soaking time on phase composition and topography and surface microstructure in vitrocrySTALLINE whiteware glazes. Journal of the European Ceramic Society, 2009, 29, 2153-2161.	2.8	26
139	Antibacterial effect of bioactive glasses on clinically important anaerobic bacteria in vitro. Journal of Materials Science: Materials in Medicine, 2008, 19, 547-551.	1.7	169
140	Bactericidal effects of bioactive glasses on clinically important aerobic bacteria. Journal of Materials Science: Materials in Medicine, 2008, 19, 27-32.	1.7	217
141	Topographic characterization of glazed surfaces. Applied Surface Science, 2008, 254, 1622-1629.	3.1	16
142	Mechanical verification of soft-tissue attachment on bioactive glasses and titanium implants. Acta Biomaterialia, 2008, 4, 1118-1122.	4.1	31
143	In situ pH within particle beds of bioactive glasses. Acta Biomaterialia, 2008, 4, 1498-1505.	4.1	84
144	Influence of fluid circulation on in vitro reactivity of bioactive glass particles. Materials Chemistry and Physics, 2008, 111, 497-502.	2.0	36

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145	Influence of heat treatment on crystallization of bioactive glasses. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 722-728.	1.5	55
146	Thirty-five years of guided tissue engineering. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 717-721.	1.5	10
147	Continuous Measurement of the Dissolution Rate of Ions from Glasses. <i>Advanced Materials Research</i> , 2008, 39-40, 341-346.	0.3	12
148	Factors Controlling Antibacterial Properties of Bioactive Glasses. <i>Key Engineering Materials</i> , 2007, 330-332, 173-176.	0.4	21
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