Chiara Vitale Brovarone

List of Publications by Year
in descending order

150 papers	6,863 citations	47006 47 h-index	74163 75 g-index
155 all docs	155 docs citations	155 times ranked	6114 citing authors

#	Article	IF	Citations
1	Protocol of Co-Culture of Human Osteoblasts and Osteoclasts to Test Biomaterials for Bone Tissue Engineering. Methods and Protocols, 2022, 5, 8.	2.0	6
2	Assessment of Collagen-Based Nanostructured Biomimetic Systems with a Co-Culture of Human Bone-Derived Cells. Cells, 2022, 11, 26.	4.1	3
3	Strontium Functionalization of Biomaterials for Bone Tissue Engineering Purposes: A Biological Point of View. Materials, 2022, 15, 1724.	2.9	23
4	Sr-Containing Mesoporous Bioactive Glasses Bio-Functionalized with Recombinant ICOS-Fc: An In Vitro Study. Nanomaterials, 2021, 11, 321.	4.1	17
5	PEG-Coated Large Mesoporous Silicas as Smart Platform for Protein Delivery and Their Use in a Collagen-Based Formulation for 3D Printing. International Journal of Molecular Sciences, 2021, 22, 1718.	4.1	15
6	A shelf-life study of silica- and carbon-based mesoporous materials. Journal of Industrial and Engineering Chemistry, 2021, 101, 205-213.	5.8	10
7	3D Printing in Alginic Acid Bath of In-Situ Crosslinked Collagen Composite Scaffolds. Materials, 2021, 14, 6720.	2.9	5
8	Polyelectrolyte-Coated Mesoporous Bioactive Glasses via Layer-by-Layer Deposition for Sustained Co-Delivery of Therapeutic Ions and Drugs. Pharmaceutics, 2021, 13, 1952.	4.5	10
9	Strontium-releasing mesoporous bioactive glasses with anti-adhesive zwitterionic surface as advanced biomaterials for bone tissue regeneration. Journal of Colloid and Interface Science, 2020, 563, 92-103.	9.4	22
10	Biomimetic and mesoporous nano-hydroxyapatite for bone tissue application: a short review. Biomedical Materials (Bristol), 2020, 15, 022001.	3.3	66
11	Collagen Hybrid Formulations for the 3D Printing of Nanostructured Bone Scaffolds: An Optimized Genipin-Crosslinking Strategy. Nanomaterials, 2020, 10, 1681.	4.1	39
12	In Vivo Validation of Spray-Dried Mesoporous Bioactive Glass Microspheres Acting as Prolonged Local Release Systems for BMP-2 to Support Bone Regeneration. Pharmaceutics, 2020, 12, 823.	4.5	17
13	Imaging Techniques for the Assessment of the Bone Osteoporosis-Induced Variations with Particular Focus on Micro-CT Potential. Applied Sciences (Switzerland), 2020, 10, 8939.	2.5	5
14	Sintering effects of bioactive glass incorporation in tricalcium phosphate scaffolds. Materials Letters, 2020, 274, 128010.	2.6	7
15	Synthesis and incorporation of rod-like nano-hydroxyapatite into type I collagen matrix: A hybrid formulation for 3D printing of bone scaffolds. Journal of the European Ceramic Society, 2020, 40, 3689-3697.	5.7	60
16	Antioxidant mesoporous Ce-doped bioactive glass nanoparticles with anti-inflammatory and pro-osteogenic activities. Materials Today Bio, 2020, 5, 100041.	5.5	66
17	Coâ€"culture systems of osteoblasts and osteoclasts: Simulating in vitro bone remodeling in regenerative approaches. Acta Biomaterialia, 2020, 108, 22-45.	8.3	103
18	Analysis of multiple protein detection methods in human osteoporotic bone extracellular matrix: From literature to practice. Bone, 2020, 137, 115363.	2.9	6

#	Article	IF	Citations
19	Multifunctional Copper-Containing Mesoporous Glass Nanoparticles as Antibacterial and Proangiogenic Agents for Chronic Wounds. Frontiers in Bioengineering and Biotechnology, 2020, 8, 246.	4.1	33
20	Collagen and non-collagenous proteins molecular crosstalk in the pathophysiology of osteoporosis. Cytokine and Growth Factor Reviews, 2019, 49, 59-69.	7.2	54
21	Ag modified mesoporous bioactive glass nanoparticles for enhanced antibacterial activity in 3D infected skin model. Materials Science and Engineering C, 2019, 103, 109764.	7.3	80
22	In Vitro Assessment of Bioactive Glass Coatings on Alumina/Zirconia Composite Implants for Potential Use in Prosthetic Applications. International Journal of Molecular Sciences, 2019, 20, 722.	4.1	23
23	Silver Decorated Mesoporous Carbons for the Treatment of Acute and Chronic Wounds, in a Tissue Regeneration Context . International Journal of Nanomedicine, 2019, Volume 14, 10147-10164.	6.7	12
24	Newly-designed collagen/polyurethane bioartificial blend as coating on bioactive glass-ceramics for bone tissue engineering applications. Materials Science and Engineering C, 2019, 96, 218-233.	7.3	24
25	Glass-ceramics for cancer treatment: So close, or yet so far?. Acta Biomaterialia, 2019, 83, 55-70.	8.3	85
26	Hybrid injectable platforms for the in situ delivery of therapeutic ions from mesoporous glasses. Chemical Engineering Journal, 2018, 340, 103-113.	12.7	60
27	Novel multifunctional strontium-copper co-substituted mesoporous bioactive particles. Materials Letters, 2018, 223, 37-40.	2.6	19
28	Microstructural characterization and robust comparison of ceramic porous orbital implants. Journal of the European Ceramic Society, 2018, 38, 2988-2993.	5.7	5
29	Sprayâ€Dried Mesoporous Mixed Cuâ€Ni Oxide@Graphene Nanocomposite Microspheres for High Power and Durable Liâ€Ion Battery Anodes. Advanced Energy Materials, 2018, 8, 1802438.	19.5	70
30	Production and Physicochemical Characterization of Cu-Doped Silicate Bioceramic Scaffolds. Materials, 2018, 11, 1524.	2.9	20
31	The Incorporation of Strontium to Improve Bone-Regeneration Ability of Mesoporous Bioactive Glasses. Materials, 2018, 11, 678.	2.9	64
32	Bioactive Glass-Ceramic Foam Scaffolds from â€˜Inorganic Gel Castingâ€™ and Sinter-Crystallization. Materials, 2018, 11, 349.	2.9	17
33	Type I Collagen and Strontium-Containing Mesoporous Glass Particles as Hybrid Material for 3D Printing of Bone-Like Materials. Materials, 2018, 11, 700.	2.9	38
34	Pressure-activated microsyringe (PAM) fabrication of bioactive glass-poly(lactic-co-glycolic acid) composite scaffolds for bone tissue regeneration. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 1986-1997.	2.7	18
35	Copper-containing mesoporous bioactive glass nanoparticles as multifunctional agent for bone regeneration. Acta Biomaterialia, 2017, 55, 493-504.	8.3	258
36	Quantifying the micro-architectural similarity of bioceramic scaffolds to bone. Ceramics International, 2017, 43, 9443-9450.	4.8	18

#	Article	IF	Citations
37	Bioactive glass coatings fabricated by laser cladding on ceramic acetabular cups: a proof-of-concept study. Journal of Materials Science, 2017, 52, 9115-9128.	3.7	33
38	Electrophoretic deposition of spray-dried Sr-containing mesoporous bioactive glass spheres on glassâ€“ceramic scaffolds for bone tissue regeneration. Journal of Materials Science, 2017, 52, 9103-9114.	3.7	49
39	An aerosol-spray-assisted approach to produce mesoporous bioactive glass microspheres under mild acidic aqueous conditions. Materials Letters, 2017, 190, 111-114.	2.6	24
40	Micro-CT based finite element models for elastic properties of glassâ€“ceramic scaffolds. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 65, 248-255.	3.1	30
41	Composite Biomaterials Based on Sol-Gel Mesoporous Silicate Glasses: A Review. Bioengineering, 2017, 4, 15.	3.5	39
42	Phosphate glass fibers for optical amplifiers and biomedical applications. , 2017, , .		1
43	Bone Structural Similarity Score: A Multiparametric Tool to Match Properties of Biomimetic Bone Substitutes with their Target Tissues. Journal of Applied Biomaterials and Functional Materials, 2016, 14, e277-e289.	1.6	10
44	Novel biocompatible and resorbable UV-transparent phosphate glass based optical fiber. Optical Materials Express, 2016, 6, 2040.	3.0	56
45	Bioactive glass-based materials with hierarchical porosity for medical applications: Review of recent advances. Acta Biomaterialia, 2016, 42, 18-32.	8.3	226
46	Antibacterial Bioglassâ€Derived Scaffolds: Innovative Synthesis Approach and Characterization. International Journal of Applied Glass Science, 2016, 7, 238-247.	2.0	30
47	Bioactivity and Mechanical Stability of 45S5 Bioactive Glass Scaffolds Based on Natural Marine Sponges. Annals of Biomedical Engineering, 2016, 44, 1881-1893.	2.5	35
48	Engineered porous scaffolds for periprosthetic infection prevention. Materials Science and Engineering C, 2016, 68, 701-715.	7.3	29
49	Novel bioceramic-reinforced hydrogel for alveolar bone regeneration. Acta Biomaterialia, 2016, 44, 97-109.	8.3	60
50	Aerosol-assisted synthesis of mesoporous aluminosilicate microspheres: the effect of the aluminum precursor. New Journal of Chemistry, 2016, 40, 4420-4427.	2.8	7
51	Phosphate glass fibre scaffolds: Tailoring of the properties and enhancement of the bioactivity through mesoporous glass particles. Materials Science and Engineering C, 2016, 67, 570-580.	7.3	9
52	Physico-chemical and biological studies on three-dimensional porous silk/spray-dried mesoporous bioactive glass scaffolds. Ceramics International, 2016, 42, 13761-13772.	4.8	18
53	Using porous bioceramic scaffolds to model healthy and osteoporotic bone. Journal of the European Ceramic Society, 2016, 36, 2175-2182.	5.7	52
54	Mechanical characterization of glass-ceramic scaffolds at multiple characteristic lengths through nanoindentation. Journal of the European Ceramic Society, 2016, 36, 2403-2409.	5.7	27

#	Article	IF	Citations
55	Design, selection and characterization of novel glasses and glass-ceramics for use in prosthetic applications. Ceramics International, 2016, 42, 1482-1491.	4.8	41
56	Bioactive glasses: Special applications outside the skeletal system. Journal of Non-Crystalline Solids, 2016, 432, 15-30.	3.1	221
57	Trabecular coating on curved alumina substrates using a novel bioactive and strong glass-ceramic. Biomedical Glasses, 2015, 1, .	2.4	7
58	Uniform Surface Modification of 3D BioglassÂ®-Based Scaffolds with Mesoporous Silica Particles (MCM-41) for Enhancing Drug Delivery Capability. Frontiers in Bioengineering and Biotechnology, 2015, 3, 177.	4.1	29
59	Bioceramics and Scaffolds: A Winning Combination for Tissue Engineering. Frontiers in Bioengineering and Biotechnology, 2015, 3, 202.	4.1	261
60	Structure optimisation and biological evaluation of bone scaffolds prepared by co-sintering of silicate and phosphate glasses. Advances in Applied Ceramics, 2015, 114, S48-S55.	1.1	11
61	Characterisation of Bioglass based foams developed via replication of natural marine sponges. Advances in Applied Ceramics, 2015, 114, S56-S62.	1.1	40
62	Electrophoretic deposition of mesoporous bioactive glass on glassâ€“ceramic foam scaffolds for bone tissue engineering. Journal of Materials Science: Materials in Medicine, 2015, 26, 5346.	3.6	49
63	A unified in vitro evaluation for apatite-forming ability of bioactive glasses and their variants. Journal of Materials Science: Materials in Medicine, 2015, 26, 115.	3.6	275
64	Wollastonite-containing bioceramic coatings on alumina substrates: Design considerations and mechanical modelling. Ceramics International, 2015, 41, 11464-11470.	4.8	22
65	Ceramics for oculo-orbital surgery. Ceramics International, 2015, 41, 5213-5231.	4.8	12
66	Feasibility of glassâ€“ceramic coatings on alumina prosthetic implants by airbrush spraying method. Ceramics International, 2015, 41, 2150-2159.	4.8	33
67	Spine-Ghost: A New Bioactive Cement for Vertebroplasty. Key Engineering Materials, 2014, 631, 43-47.	0.4	6
68	Composite bone cements loaded with a bioactive and ferrimagnetic glass-ceramic. Part I: Morphological, mechanical and calorimetric characterization. Journal of Biomaterials Applications, 2014, 29, 254-267.	2.4	30
69	Tailoring of Bone Scaffold Properties Using Silicate/Phosphate Glass Mixtures. Key Engineering Materials, 2014, 631, 283-288.	0.4	4
70	Novel Bone-Like Porous Glass Coatings on Al₂O₃ Prosthetic Substrates. Key Engineering Materials, 2014, 631, 236-240.	0.4	7
71	Novel resorbable glass-ceramic scaffolds for hard tissue engineering: From the parent phosphate glass to its bone-like macroporous derivatives. Journal of Biomaterials Applications, 2014, 28, 1287-1303.	2.4	29
72	Novel systems for tailored neurotrophic factor release based on hydrogel and resorbable glass hollow fibers. Materials Science and Engineering C, 2014, 36, 25-32.	7.3	11

#	Article	IF	Citations
73	Biomaterials for orbital implants and ocular prostheses: Overview and future prospects. Acta Biomaterialia, 2014, 10, 1064-1087.	8.3	87
74	Mechanical properties and reliability of glassâ€“ceramic foam scaffolds for bone repair. Materials Letters, 2014, 118, 27-30.	2.6	67
75	In vitro study of manganese-doped bioactive glasses for bone regeneration. Materials Science and Engineering C, 2014, 38, 107-118.	7.3	105
76	Modelling of the strengthâ€“porosity relationship in glass-ceramic foam scaffolds for bone repair. Journal of the European Ceramic Society, 2014, 34, 2663-2673.	5.7	62
77	Bioactive glass and glassâ€“ceramic foam scaffolds for bone tissue restoration. , 2014, , 213-248.		6
78	Key role of the expression of bone morphogenetic proteins in increasing the osteogenic activity of osteoblast-like cells exposed to shock waves and seeded on bioactive glass-ceramic scaffolds for bone tissue engineering. Journal of Biomaterials Applications, 2014, 29, 728-736.	2.4	18
79	Bioceramics in ophthalmology. Acta Biomaterialia, 2014, 10, 3372-3397.	8.3	42
80	Zirconia-containing radiopaque mesoporous bioactive glasses. Materials Letters, 2014, 130, 281-284.	2.6	38
81	Bioactive glass functionalized with alkaline phosphatase stimulates bone extracellular matrix deposition and calcification in vitro. Applied Surface Science, 2014, 313, 372-381.	6.1	22
82	Al-MCM-41 inside a glassâ€“ceramic scaffold: A mesoâ€“macroporous system for acid catalysis. Journal of the European Ceramic Society, 2013, 33, 1535-1543.	5.7	18
83	Spray-dried mesoporous silica spheres functionalized with carboxylic groups. Materials Letters, 2013, 108, 118-121.	2.6	9
84	Microstructural characterization and in vitro bioactivity of porous glass-ceramic scaffolds for bone regeneration by synchrotron radiation X-ray microtomography. Journal of the European Ceramic Society, 2013, 33, 1553-1565.	5.7	47
85	Resorbable hollow phosphate glass fibres as controlled release systems for biomedical applications. Materials Letters, 2013, 99, 125-127.	2.6	19
86	Surface functionalization of 3D glassâ€“ceramic porous scaffolds for enhanced mineralization in vitro. Applied Surface Science, 2013, 271, 412-420.	6.1	16
87	Bonding strength of glass-ceramic trabecular-like coatings to ceramic substrates for prosthetic applications. Materials Science and Engineering C, 2013, 33, 1530-1538.	7.3	36
88	Antibiotic loading on bioactive glasses and glass-ceramics: An approach to surface modification. Journal of Biomaterials Applications, 2013, 28, 308-319.	2.4	17
89	Optimization of composition, structure and mechanical strength of bioactive 3-D glass-ceramic scaffolds for bone substitution. Journal of Biomaterials Applications, 2013, 27, 872-890.	2.4	86
90	Mesoporous Bioactive Glass as a Multifunctional System for Bone Regeneration and Controlled Drug Release. Journal of Applied Biomaterials and Functional Materials, 2012, 10, 12-21.	1.6	42

#	Article	IF	Citations
91	Bioresorbable glass effect on the physico-chemical properties of bilayered scaffolds for osteochondral regeneration. Materials Letters, 2012, 89, 74-76.	2.6	18
92	Bioactive glass-derived trabecular coating: a smart solution for enhancing osteointegration of prosthetic elements. Journal of Materials Science: Materials in Medicine, 2012, 23, 2369-2380.	3.6	57
93	Bioactive glass/polymer composite scaffolds mimicking bone tissue. Journal of Biomedical Materials Research - Part A, 2012, 100A, 2654-2667.	4.0	115
94	Phosphate glass fibres and their role in neuronal polarization and axonal growth direction. Acta Biomaterialia, 2012, 8, 1125-1136.	8.3	60
95	Threeâ€dimensional glassâ€derived scaffolds for bone tissue engineering: Current trends and forecasts for the future. Journal of Biomedical Materials Research - Part A, 2011, 97A, 514-535.	4.0	221
96	Effects of TiO₂â€containing phosphate glasses on solubility and <i>in vitro</i> biocompatibility. Journal of Biomedical Materials Research - Part A, 2011, 99A, 295-306.	4.0	13
97	Novel phosphate glasses with different amounts of TiO2 for biomedical applications. Materials Science and Engineering C, 2011, 31, 434-442.	7.3	36
98	Biocompatibility and Antibacterial Effect of Silver Doped 3D-Glass-Ceramic Scaffolds for Bone Grafting. Journal of Biomaterials Applications, 2011, 25, 595-617.	2.4	18
99	Resorbable Glassâ€“Ceramic Phosphate-based Scaffolds for Bone Tissue Engineering: Synthesis, Properties, and<i>In vitro</i>Effects on Human Marrow Stromal Cells. Journal of Biomaterials Applications, 2011, 26, 465-489.	2.4	34
100	Shock Waves Induce Activity of Human Osteoblast-Like Cells in Bioactive Scaffolds. Journal of Trauma, 2010, 68, 1439-1444.	2.3	20
101	Monodisperse Mesoporous Silica Spheres Inside a Bioactive Macroporous Glassâ€“Ceramic Scaffold. Advanced Engineering Materials, 2010, 12, B256.	3.5	15
102	Alkaline phosphatase grafting on bioactive glasses and glass ceramics. Acta Biomaterialia, 2010, 6, 229-240.	8.3	74
103	Response of human bone marrow stromal cells to a resorbable P2O5â€“SiO2â€“CaOâ€“MgOâ€“Na2Oâ€“K2O phosphate glass ceramic for tissue engineering applications. Acta Biomaterialia, 2010, 6, 598-606.	8.3	42
104	Composite Films of Gelatin and Hydroxyapatite/Bioactive Glass for Tissue-Engineering Applications. Journal of Biomaterials Science, Polymer Edition, 2010, 21, 1207-1226.	3.5	41
105	Feasibility and Tailoring of Bioactive Glass-ceramic Scaffolds with Gradient of Porosity for Bone Grafting. Journal of Biomaterials Applications, 2010, 24, 693-712.	2.4	33
106	Surface functionalization of bioactive glasses. Journal of Biomedical Materials Research - Part A, 2009, 90A, 981-992.	4.0	85
107	Micromechanics of bone tissue-engineering scaffolds, based on resolution error-cleared computer tomography. Biomaterials, 2009, 30, 2411-2419.	11.4	61
108	Early stage reactivity and in vitro behavior of silica-based bioactive glasses and glass-ceramics. Journal of Materials Science: Materials in Medicine, 2009, 20, 75-87.	3.6	70

#	Article	IF	Citations
109	High strength bioactive glass-ceramic scaffolds for bone regeneration. Journal of Materials Science: Materials in Medicine, 2009, 20, 643-653.	3.6	107
110	Surface silver-doping of biocompatible glass to induce antibacterial properties. Part I: massive glass. Journal of Materials Science: Materials in Medicine, 2009, 20, 733-740.	3.6	47
111	Surface silver-doping of biocompatible glasses to induce antibacterial properties. Part II: plasma sprayed glass-coatings. Journal of Materials Science: Materials in Medicine, 2009, 20, 741-749.	3.6	52
112	Glassâ€"ceramic scaffolds containing silica mesophases for bone grafting and drug delivery. Journal of Materials Science: Materials in Medicine, 2009, 20, 809-820.	3.6	46
113	Feasibility, tailoring and properties of polyurethane/bioactive glass composite scaffolds for tissue engineering. Journal of Materials Science: Materials in Medicine, 2009, 20, 2189-2195.	3.6	40
114	Foam-like scaffolds for bone tissue engineering based on a novel couple of silicate-phosphate specular glasses: synthesis and properties. Journal of Materials Science: Materials in Medicine, 2009, 20, 2197-2205.	3.6	48
115	Ultrasonic Characterisation of Porous Biomaterials Across Different Frequencies. Strain, 2009, 45, 34-44.	2.4	38
116	3-D high-strength glassâ€"ceramic scaffolds containing fluoroapatite for load-bearing bone portions replacement. Materials Science and Engineering C, 2009, 29, 2055-2062.	7.3	73
117	Micro-CT studies on 3-D bioactive glassâ€"ceramic scaffolds for bone regeneration. Acta Biomaterialia, 2009, 5, 1328-1337.	8.3	79
118	Glass-Ceramic Scaffolds and Shock Waves Effect on Cells Migration. Key Engineering Materials, 2008, 361-363, 233-236.	0.4	2
119	Synthesis and characterization of MCM-41 spheres inside bioactive glassâ€"ceramic scaffold. Chemical Engineering Journal, 2008, 137, 54-61.	12.7	61
120	Biocompatible glassâ€"ceramic materials for bone substitution. Journal of Materials Science: Materials in Medicine, 2008, 19, 471-478.	3.6	81
121	SBA-15 ordered mesoporous silica inside a bioactive glassâ€"ceramic scaffold for local drug delivery. Journal of Materials Science: Materials in Medicine, 2008, 19, 3303-3310.	3.6	40
122	3D-glassâ€"ceramic scaffolds with antibacterial properties for bone grafting. Chemical Engineering Journal, 2008, 137, 129-136.	12.7	113
123	Synthesis and characterisation of bioactive and antibacterial glassâ€"ceramic Part 1 â€" Microstructure, properties and biological behaviour. Advances in Applied Ceramics, 2008, 107, 234-244.	1.1	33
124	Synthesis and characterisation of bioactive and antibacterial glass-ceramic Part 2 â€" plasma spray coatings on metallic substrates. Advances in Applied Ceramics, 2008, 107, 245-253.	1.1	19
125	Micromechanics of bioresorbable porous CEL2 glass ceramic scaffolds for bone tissue engineering. Advances in Applied Ceramics, 2008, 107, 277-286.	1.1	14
126	Bioresorbable Phosphate Scaffolds for Bone Regeneration. Key Engineering Materials, 2007, 361-363, 241-244.	0.4	4

#	Article	IF	Citations
127	Surface Functionalization of Biomaterials with Alkaline Phosphatase. Key Engineering Materials, 2007, 361-363, 593-596.	0.4	5
128	Development of glassâ€“ceramic scaffolds for bone tissue engineering: Characterisation, proliferation of human osteoblasts and nodule formation. Acta Biomaterialia, 2007, 3, 199-208.	8.3	203
129	Ultrasonic Characterization of Porous Biomaterials Across Different Frequencies. , 2007, , 505-506.		0
130	Macroporous bioactive glass-ceramic scaffolds for tissue engineering. Journal of Materials Science: Materials in Medicine, 2006, 17, 1069-1078.	3.6	93
131	Synthesis and characterization of coprecipitation-derived ferrimagnetic glass-ceramic. Journal of Materials Science, 2006, 41, 1029-1037.	3.7	81
132	Preparation and investigation of a glass in the system Al2O3â€“SiO2â€“CaO for dental applications. Materials Letters, 2006, 60, 3045-3047.	2.6	5
133	Glass-Ceramic Matrix/ZrO2 Particle Biocomposites. , 2005, , 146-151.		0
134	Surface characterization of silver-doped bioactive glass. Biomaterials, 2005, 26, 5111-5119.	11.4	146
135	SiO2-CaO-K2O coatings on alumina and Ti6Al4V substrates for biomedical applications. Journal of Materials Science: Materials in Medicine, 2005, 16, 863-871.	3.6	21
136	Microstructural and in vitro characterization of SiO2-Na2O-CaO-MgO glass-ceramic bioactive scaffolds for bone substitutes. Journal of Materials Science: Materials in Medicine, 2005, 16, 909-917.	3.6	47
137	Glazing of alumina by a fluoroapatite-containing glass-ceramic. Journal of Materials Science, 2005, 40, 1209-1215.	3.7	8
138	Macroporous glass-ceramic materials with bioactive properties. Journal of Materials Science: Materials in Medicine, 2004, 15, 209-217.	3.6	56
139	Silver containing bioactive glasses prepared by molten salt ion-exchange. Journal of the European Ceramic Society, 2004, 24, 2935-2942.	5.7	68
140	Double-layer glass-ceramic coatings on Ti6Al4V for dental implants. Journal of the European Ceramic Society, 2004, 24, 2699-2705.	5.7	42
141	Fluoroapatite glass-ceramic coating on alumina: Surface behavior with biological fluids. Journal of Biomedical Materials Research - Part A, 2003, 66A, 615-621.	4.0	11
142	Viscous flow sintering of bioactive glass-ceramic composites toughened by zirconia particles. Journal of the European Ceramic Society, 2003, 23, 675-683.	5.7	42
143	Fluoroapatite glass-ceramic coatings on alumina: structural, mechanical and biological characterisation. Biomaterials, 2002, 23, 3395-3403.	11.4	33
144	Glass-Ceramics as Coatings for Prostheses. Key Engineering Materials, 2001, 192-195, 279-282.	0.4	0

#	Article	IF	Citations
145	Biological glass coating on ceramic materials:. Biomaterials, 2001, 22, 2535-2543.	11.4	66
146	Graded coatings on ceramic substrates for biomedical applications. Journal of the European Ceramic Society, 2001, 21, 2855-2862.	5.7	32
147	Na2O-CaO-SiO2 glass-ceramic matrix biocomposites. Journal of Materials Science, 2001, 36, 2801-2807.	3.7	18
148	Coatings on Al2O3 by bioactive glass-ceramics. Acta Materialia, 2000, 48, 4667-4671.	7.9	16
149	Bioactive Glass-Ceramics Coatings on Alumina. Key Engineering Materials, 2000, 192-195, 123-126.	0.4	1
150	Collagen/Polyurethane-Coated Bioactive Glass: Early Achievements towards the Modelling of Healthy and Osteoporotic Bone. Key Engineering Materials, 0, 631, 184-189.	0.4	15