

Uwe Gbureck

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143
papers

6,794
citations

51
h-index

79
g-index

150
ext. papers

7,610
ext. citations

7.8
avg, IF

5.8
L-index

#	Paper	IF	Citations
143	How smart do biomaterials need to be? A translational science and clinical point of view. <i>Advanced Drug Delivery Reviews</i> , 2013 , 65, 581-603	18.5	350
142	Osteoconduction and osteoinduction of low-temperature 3D printed bioceramic implants. <i>Biomaterials</i> , 2008 , 29, 944-53	15.6	274
141	Resorbable Dicalcium Phosphate Bone Substitutes Prepared by 3D Powder Printing. <i>Advanced Functional Materials</i> , 2007 , 17, 3940-3945	15.6	201
140	Antimicrobial titanium/silver PVD coatings on titanium. <i>BioMedical Engineering OnLine</i> , 2006 , 5, 22	4.1	195
139	Angiogenesis in calcium phosphate scaffolds by inorganic copper ion release. <i>Tissue Engineering - Part A</i> , 2009 , 15, 1601-9	3.9	177
138	Ionic modification of calcium phosphate cement viscosity. Part I: hypodermic injection and strength improvement of apatite cement. <i>Biomaterials</i> , 2004 , 25, 2187-95	15.6	164
137	Low temperature direct 3D printed bioceramics and biocomposites as drug release matrices. <i>Journal of Controlled Release</i> , 2007 , 122, 173-80	11.7	159
136	3D powder printed calcium phosphate implants for reconstruction of cranial and maxillofacial defects. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2010 , 38, 565-70	3.6	158
135	Direct 3D powder printing of biphasic calcium phosphate scaffolds for substitution of complex bone defects. <i>Biofabrication</i> , 2014 , 6, 015006	10.5	149
134	Low temperature additive manufacturing of three dimensional scaffolds for bone-tissue engineering applications: Processing related challenges and property assessment. <i>Materials Science and Engineering Reports</i> , 2016 , 103, 1-39	30.9	142
133	Silver-doped calcium phosphate cements with antimicrobial activity. <i>Acta Biomaterialia</i> , 2011 , 7, 4064-70	10.8	139
132	Controlled release of gentamicin from calcium phosphate-poly(lactic acid-co-glycolic acid) composite bone cement. <i>Biomaterials</i> , 2006 , 27, 4239-49	15.6	139
131	Magnesium-based bioceramics in orthopedic applications. <i>Acta Biomaterialia</i> , 2018 , 66, 23-43	10.8	135
130	3D Powder Printing of Tricalcium Phosphate Ceramics Using Different Strategies. <i>Advanced Engineering Materials</i> , 2008 , 10, B67-B71	3.5	129
129	Fiber reinforcement during 3D printing. <i>Materials Letters</i> , 2015 , 139, 165-168	3.3	125
128	Peptide-functionalized gold nanorods increase liver injury in hepatitis. <i>ACS Nano</i> , 2012 , 6, 8767-77	16.7	116
127	Craniofacial vertical bone augmentation: a comparison between 3D printed monolithic monetite blocks and autologous onlay grafts in the rabbit. <i>Biomaterials</i> , 2009 , 30, 6318-26	15.6	113

126	Biocompatibility of magnesium phosphate minerals and their stability under physiological conditions. <i>Acta Biomaterialia</i> , 2011 , 7, 2678-85	10.8	113
125	Surface engineering of stainless steel materials by covalent collagen immobilization to improve implant biocompatibility. <i>Biomaterials</i> , 2005 , 26, 6962-72	15.6	112
124	Iron oxide labelling of human mesenchymal stem cells in collagen hydrogels for articular cartilage repair. <i>Biomaterials</i> , 2008 , 29, 1473-83	15.6	104
123	Ion adsorption behaviour of hydroxyapatite with different crystallinities. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009 , 74, 91-5	6	101
122	Reaction kinetics of dual setting tricalcium phosphate cements. <i>Journal of Materials Science: Materials in Medicine</i> , 2016 , 27, 1	4.5	86
121	In vivo degradation of low temperature calcium and magnesium phosphate ceramics in a heterotopic model. <i>Acta Biomaterialia</i> , 2011 , 7, 3469-75	10.8	86
120	Brushite-collagen composites for bone regeneration. <i>Acta Biomaterialia</i> , 2008 , 4, 1315-21	10.8	85
119	Passive and active in vitro resorption of calcium and magnesium phosphate cements by osteoclastic cells. <i>Tissue Engineering - Part A</i> , 2010 , 16, 3687-95	3.9	83
118	Simultaneous Immobilization of Bioactives During 3D Powder Printing of Bioceramic Drug-Release Matrices. <i>Advanced Functional Materials</i> , 2010 , 20, 1585-1591	15.6	83
117	In vitro biodegradation of three brushite calcium phosphate cements by a macrophage cell-line. <i>Biomaterials</i> , 2006 , 27, 4557-65	15.6	83
116	Control of in vivo mineral bone cement degradation. <i>Acta Biomaterialia</i> , 2014 , 10, 3279-87	10.8	79
115	Fabrication of computationally designed scaffolds by low temperature 3D printing. <i>Biofabrication</i> , 2013 , 5, 035012	10.5	78
114	Osseointegration of dental implants in 3D-printed synthetic onlay grafts customized according to bone metabolic activity in recipient site. <i>Biomaterials</i> , 2014 , 35, 5436-45	15.6	76
113	Biologically mediated resorption of brushite cement in vitro. <i>Biomaterials</i> , 2006 , 27, 2178-85	15.6	74
112	Preparation of tricalcium phosphate/calcium pyrophosphate structures via rapid prototyping. <i>Journal of Materials Science: Materials in Medicine</i> , 2008 , 19, 1559-63	4.5	73
111	Low temperature fabrication of magnesium phosphate cement scaffolds by 3D powder printing. <i>Journal of Materials Science: Materials in Medicine</i> , 2010 , 21, 2947-53	4.5	72
110	The importance of particle size and DNA condensation salt for calcium phosphate nanoparticle transfection. <i>Biomaterials</i> , 2008 , 29, 3384-92	15.6	72
109	Modification of Calcium Phosphate Cement with β -Hydroxy Acids and Their Salts. <i>Chemistry of Materials</i> , 2005 , 17, 1313-1319	9.6	69

108	Bioactive copper-doped glass scaffolds can stimulate endothelial cells in co-culture in combination with mesenchymal stem cells. <i>PLoS ONE</i> , 2014 , 9, e113319	3.7	69
107	Strontium modified biocements with zero order release kinetics. <i>Biomaterials</i> , 2008 , 29, 4691-7	15.6	68
106	Phase composition, mechanical performance and in vitro biocompatibility of hydraulic setting calcium magnesium phosphate cement. <i>Acta Biomaterialia</i> , 2010 , 6, 1529-35	10.8	67
105	Factors influencing calcium phosphate cement shelf-life. <i>Biomaterials</i> , 2005 , 26, 3691-7	15.6	65
104	TiO ₂ nanotube arrays deposited on Ti substrate by anodic oxidation and their potential as a long-term drug delivery system for antimicrobial agents. <i>Applied Surface Science</i> , 2012 , 258, 5399-5404	6.7	64
103	Photoactivation of CdSe/ZnS quantum dots embedded in silica colloids. <i>Small</i> , 2008 , 4, 1516-26	11	64
102	Strength reliability and in vitro degradation of three-dimensional powder printed strontium-substituted magnesium phosphate scaffolds. <i>Acta Biomaterialia</i> , 2016 , 31, 401-411	10.8	62
101	FTIR-monitoring of a fast setting brushite bone cement: effect of intermediate phases. <i>Journal of Materials Chemistry</i> , 2006 , 16, 3199		62
100	The effect of amorphous pyrophosphate on calcium phosphate cement resorption and bone generation. <i>Biomaterials</i> , 2013 , 34, 6631-7	15.6	61
99	Injectability and mechanical properties of magnesium phosphate cements. <i>Journal of Materials Science: Materials in Medicine</i> , 2011 , 22, 2591-8	4.5	60
98	Modeling vancomycin release kinetics from microporous calcium phosphate ceramics comparing static and dynamic immersion conditions. <i>Acta Biomaterialia</i> , 2008 , 4, 1480-6	10.8	60
97	Whisker-Reinforced Calcium Phosphate Cements. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 3694-3697	5.9	59
96	3D printing of ceramic implants. <i>MRS Bulletin</i> , 2015 , 40, 127-136	3.2	58
95	Vertical bone augmentation with 3D-synthetic monetite blocks in the rabbit calvaria. <i>Journal of Clinical Periodontology</i> , 2011 , 38, 1147-53	7.7	56
94	Amorphous β -Tricalcium Phosphate: Preparation and Aqueous Setting Reaction. <i>Journal of the American Ceramic Society</i> , 2004 , 87, 1126-1132	3.8	55
93	Reinforcement Strategies for Load-Bearing Calcium Phosphate Biocements. <i>Materials</i> , 2015 , 8, 2700-2713	17.5	51
92	Application of a 3D printed customized implant for canine cruciate ligament treatment by tibial tuberosity advancement. <i>Biofabrication</i> , 2014 , 6, 025005	10.5	49
91	Temperature dependent setting kinetics and mechanical properties of β -TCP/pyrophosphoric acid bone cement. <i>Journal of Materials Chemistry</i> , 2005 , 15, 4955		49

90	Characterization of chlorhexidine-releasing, fast-setting, brushite bone cements. <i>Acta Biomaterialia</i> , 2008 , 4, 1081-8	10.8	44
89	The use of RANKL-coated brushite cement to stimulate bone remodelling. <i>Biomaterials</i> , 2008 , 29, 3253-9	15.6	44
88	Bone regeneration capacity of magnesium phosphate cements in a large animal model. <i>Acta Biomaterialia</i> , 2018 , 69, 352-361	10.8	43
87	Tribochemical structuring and coating of implant metal surfaces with titanium oxide and hydroxyapatite layers. <i>Materials Science and Engineering C</i> , 2003 , 23, 461-465	8.3	43
86	Tough magnesium phosphate-based 3D-printed implants induce bone regeneration in an equine defect model. <i>Biomaterials</i> , 2020 , 261, 120302	15.6	43
85	Antimicrobial potency of alkali ion substituted calcium phosphate cements. <i>Biomaterials</i> , 2005 , 26, 6880-6	15.6	40
84	Combining particle size distribution and isothermal calorimetry data to determine the reaction kinetics of alpha-tricalcium phosphate-water mixtures. <i>Acta Biomaterialia</i> , 2006 , 2, 343-8	10.8	39
83	The effect of Cu(II)-loaded brushite scaffolds on growth and activity of osteoblastic cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2012 , 100, 2392-400	5.4	38
82	Effects of nanoparticle surface-coupled peptides, functional endgroups, and charge on intracellular distribution and functionality of human primary reticuloendothelial cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012 , 8, 1282-92	6	37
81	Intracellular and extracellular T1 and T2 relaxivities of magneto-optical nanoparticles at experimental high fields. <i>Magnetic Resonance in Medicine</i> , 2010 , 64, 1607-15	4.4	36
80	Structure and mechanical properties of TCP scaffolds prepared by ice-templating with preset ice front velocities. <i>Acta Biomaterialia</i> , 2014 , 10, 5148-5155	10.8	35
79	Effect of cold-setting calcium- and magnesium phosphate matrices on protein expression in osteoblastic cells. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2011 , 96, 326-32	3.5	35
78	Mechanical Activation of Tetracalcium Phosphate. <i>Journal of the American Ceramic Society</i> , 2004 , 87, 311-313	3.8	35
77	The effect of porosity on drug release kinetics from vancomycin microsphere/calcium phosphate cement composites. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2011 , 99, 3913	3.5	33
76	Effect of silica gel on the cohesion, properties and biological performance of brushite cement. <i>Acta Biomaterialia</i> , 2010 , 6, 257-65	10.8	33
75	Cement Formulations in the Calcium Phosphate H ₂ O-H ₃ PO ₄ -H ₄ P ₂ O ₇ System. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 3096-3103	3.8	32
74	Formation and properties of magnesium-ammonium-phosphate hexahydrate biocements in the Ca-Mg-PO ₄ system. <i>Journal of Materials Science: Materials in Medicine</i> , 2011 , 22, 429-36	4.5	29
73	Cu, Co and Cr doping of a calcium phosphate cement influences materials properties and response of human mesenchymal stromal cells. <i>Materials Science and Engineering C</i> , 2017 , 73, 99-110	8.3	26

72	Dual-setting brushite-silica gel cements. <i>Acta Biomaterialia</i> , 2015 , 11, 467-76	10.8	26
71	Hard implant coatings with antimicrobial properties. <i>Journal of Materials Science: Materials in Medicine</i> , 2011 , 22, 2711-20	4.5	26
70	Nanocrystalline tetracalcium phosphate cement. <i>Journal of Dental Research</i> , 2004 , 83, 425-8	8.1	26
69	Tissue Mimicry in Morphology and Composition Promotes Hierarchical Matrix Remodeling of Invading Stem Cells in Osteochondral and Meniscus Scaffolds. <i>Advanced Materials</i> , 2018 , 30, e1706754	24	25
68	Novel bone wax based on poly(ethylene glycol)-calcium phosphate cement mixtures. <i>Acta Biomaterialia</i> , 2016 , 33, 252-63	10.8	22
67	Dual setting tetracalcium phosphate cements. <i>Journal of Materials Science: Materials in Medicine</i> , 2013 , 24, 573-81	4.5	22
66	Chelate Bonding Mechanism in a Novel Magnesium Phosphate Bone Cement. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 694-697	3.8	21
65	Osteoclastic differentiation and resorption is modulated by bioactive metal ions Co ²⁺ , Cu ²⁺ and Cr ³⁺ incorporated into calcium phosphate bone cements. <i>PLoS ONE</i> , 2017 , 12, e0182109	3.7	19
64	Multi-directional Le Fort III midfacial distraction using an individual prefabricated device. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2009 , 37, 210-5	3.6	18
63	Frozen delivery of brushite calcium phosphate cements. <i>Acta Biomaterialia</i> , 2008 , 4, 1916-23	10.8	18
62	3D powder printed tetracalcium phosphate scaffold with phytic acid binder: fabrication, microstructure and in situ X-Ray tomography analysis of compressive failure. <i>Journal of Materials Science: Materials in Medicine</i> , 2018 , 29, 29	4.5	17
61	The Mechanical Properties of Biocompatible Apatite Bone Cement Reinforced with Chemically Activated Carbon Fibers. <i>Materials</i> , 2018 , 11,	3.5	17
60	Phytic acid as alternative setting retarder enhanced biological performance of dicalcium phosphate cement in vitro. <i>Scientific Reports</i> , 2017 , 7, 558	4.9	17
59	A Bone Glue with Sustained Adhesion under Wet Conditions. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1600902	10.1	16
58	Antimicrobial properties of nanocrystalline tetracalcium phosphate cements. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2007 , 83, 132-7	3.5	16
57	Artificial inorganic biohybrids: The functional combination of microorganisms and cells with inorganic materials. <i>Acta Biomaterialia</i> , 2018 , 74, 17-35	10.8	15
56	Mg:Ca ratio as regulating factor for osteoclastic in vitro resorption of struvite biocements. <i>Materials Science and Engineering C</i> , 2017 , 73, 111-119	8.3	14
55	Development and Bone Regeneration Capacity of Premixed Magnesium Phosphate Cement Pastes. <i>Materials</i> , 2019 , 12,	3.5	14

54	In vitro ion adsorption and cytocompatibility of dicalcium phosphate ceramics. <i>Biomaterials Research</i> , 2017 , 21, 10	16.8	14
53	Biological and mechanical performance and degradation characteristics of calcium phosphate cements in large animals and humans. <i>Acta Biomaterialia</i> , 2020 , 117, 1-20	10.8	14
52	Polymerization Behaviour of Organically Modified Titanium Alkoxides in Solution. <i>Journal of Sol-Gel Science and Technology</i> , 2003 , 27, 157-162	2.3	13
51	Hydration mechanism of a calcium phosphate cement modified with phytic acid. <i>Acta Biomaterialia</i> , 2018 , 80, 378-389	10.8	13
50	Chelate setting of alkali ion substituted calcium phosphates. <i>Ceramics International</i> , 2015 , 41, 10010-10017	10.7	12
49	Trivalent chromium incorporated in a crystalline calcium phosphate matrix accelerates materials degradation and bone formation in vivo. <i>Acta Biomaterialia</i> , 2018 , 69, 332-341	10.8	12
48	A new iron calcium phosphate material to improve the osteoconductive properties of a biodegradable ceramic: a study in rabbit calvaria. <i>Biomedical Materials (Bristol)</i> , 2015 , 10, 055012	3.5	12
47	Effect of physicochemical properties of a cement based on silicocarnotite/calcium silicate on in vitro cell adhesion and in vivo cement degradation. <i>Biomedical Materials (Bristol)</i> , 2016 , 11, 045005	3.5	11
46	Structural changes to resorbable calcium phosphate bioceramic aged in vitro. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 111, 469-78	6	10
45	Effect of Baghdadite Substitution on the Physicochemical Properties of Brushite Cements. <i>Materials</i> , 2019 , 12,	3.5	9
44	Highly flexible and degradable dual setting systems based on PEG-hydrogels and brushite cement. <i>Acta Biomaterialia</i> , 2018 , 79, 182-201	10.8	9
43	Computational design and fabrication of a novel bioresorbable cage for tibial tuberosity advancement application. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017 , 65, 344-355	4.1	9
42	Composite Carbon Nanotube Microsphere Coatings for Use as Electrode Supports. <i>Advanced Functional Materials</i> , 2018 , 28, 1803713	15.6	9
41	Biomechanical Evaluation of Promising Different Bone Substitutes in a Clinically Relevant Test Set-Up. <i>Materials</i> , 2019 , 12,	3.5	8
40	Low temperature fabrication of spherical brushite granules by cement paste emulsion. <i>Journal of Materials Science: Materials in Medicine</i> , 2012 , 23, 2631-7	4.5	8
39	Comparing the efficacy of three bioceramic matrices for the release of vancomycin hydrochloride. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010 , 93, 51-8	3.5	8
38	Magnesium Phosphate Cement as Mineral Bone Adhesive. <i>Materials</i> , 2019 , 12,	3.5	8
37	Antimicrobial and physicochemical properties of experimental light curing composites with alkali-substituted calcium phosphate fillers. <i>Dental Materials</i> , 2012 , 28, 597-603	5.7	7

36	Reinforcement of a Magnesium-Ammonium-Phosphate Cement with Calcium Phosphate Whiskers. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 4028-4035	3.8	7
35	A cohesive premixed monetite biocement. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 1241-1249	3.8	6
34	Calcium Phosphate Bone Graft Substitutes with High Mechanical Load Capacity and High Degree of Interconnecting Porosity. <i>Materials</i> , 2019 , 12,	3.5	6
33	Mechanical activation and cement formation of trimagnesium phosphate. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 1830-1834	3.8	6
32	Simultaneous structuring and mineralization of silk fibroin scaffolds. <i>Journal of Tissue Engineering</i> , 2018 , 9, 2041731418788509	7.5	6
31	Setting Mechanism of a CDHA Forming β -TCP Cement Modified with Sodium Phytate for Improved Injectability. <i>Materials</i> , 2019 , 12,	3.5	6
30	Intrinsic 3D Prestressing: A New Route for Increasing Strength and Improving Toughness of Hybrid Inorganic Biocements. <i>Advanced Materials</i> , 2017 , 29, 1701035	24	6
29	Three-dimensional morphology and mechanics of bone scaffolds fabricated by rapid prototyping. <i>International Journal of Materials Research</i> , 2012 , 103, 200-206	0.5	6
28	Simultaneous formation and mineralization of star-P(EO-stat-PO) hydrogels. <i>Materials Science and Engineering C</i> , 2017 , 75, 471-477	8.3	5
27	Anisotropic Cryostructured Collagen Scaffolds for Efficient Delivery of RhBMP-2 and Enhanced Bone Regeneration. <i>Materials</i> , 2019 , 12,	3.5	5
26	Self-healing capacity of fiber-reinforced calcium phosphate cements. <i>Scientific Reports</i> , 2020 , 10, 9430	4.9	5
25	Electroceutical Silk-Silver Gel to Eradicate Bacterial Infection. <i>Advanced Biology</i> , 2020 , 4, e1900242	3.5	5
24	Fabrication and cytocompatibility of spherical magnesium ammonium phosphate granules. <i>Materials Science and Engineering C</i> , 2014 , 42, 130-6	8.3	5
23	Long-Term in Vivo Performance of Low-Temperature 3D-Printed Bioceramics in an Equine Model. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 1681-1689	5.5	5
22	Baghdadite coating formed by hybrid water-stabilized plasma spray for bioceramic applications: Mechanical and biological evaluations. <i>Materials Science and Engineering C</i> , 2021 , 122, 111873	8.3	5
21	Influence of Cu on Osteoclast Formation and Activity In Vitro. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	5
20	Prefabricated and Self-Setting Cement Laminates. <i>Materials</i> , 2019 , 12,	3.5	4
19	Physical and chemical characterization of Ag-doped Ti coatings produced by magnetron sputtering of modular targets. <i>Materials Science and Engineering C</i> , 2014 , 44, 126-31	8.3	3

18	Biomaterial-Induction of a Transplantable Angiosome. <i>Advanced Functional Materials</i> , 2020 , 30, 190511515.6	3
17	Phase Conversion of Ice-Templated β -Tricalcium Phosphate Scaffolds into Low-Temperature Calcium Phosphates with Anisotropic Open Porosity. <i>Advanced Engineering Materials</i> , 2021 , 23, 20014173.5	3
16	Structural Optimization of Macroporous Magnesium Phosphate Scaffolds and their Cytocompatibility. <i>Key Engineering Materials</i> , 2011 , 493-494, 813-819	0.4 2
15	Experimental Drillable Magnesium Phosphate Cement Is a Promising Alternative to Conventional Bone Cements. <i>Materials</i> , 2021 , 14,	3.5 2
14	Tough and Elastic β -Tricalcium Phosphate Cement Composites with Degradable PEG-Based Cross-Linker. <i>Materials</i> , 2018 , 12,	3.5 2
13	Low Temperature 3D Printing of Drug Loaded Bioceramic Scaffolds and Implants. <i>Computational Methods in Applied Sciences (Springer)</i> , 2019 , 51-66	0.4 1
12	Nano-magnesium phosphate hydrogels: efficiency of an injectable and biodegradable gel formulation towards bone regeneration. <i>AME Medical Journal</i> , 2017 , 51-51	1 1
11	Data on TOF-SIMS analysis of Cu, Co and Cr doped calcium phosphate cements. <i>Data in Brief</i> , 2017 , 13, 353-355	1.2 1
10	In situ formation of multilayer biocomposite with anisotropic crystal orientation. <i>Materials Letters</i> , 2014 , 120, 111-114	3.3 1
9	Augmentation of suture anchors with magnesium phosphate cement - Simple technique with striking effect.. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022 , 128, 105096	4.1 1
8	Bone regeneration capacity of newly developed spherical magnesium phosphate cement granules. <i>Clinical Oral Investigations</i> , 2021 , 1	4.2 1
7	Morphological Control of Freeze-Structured Scaffolds by Selective Temperature and Material Control in the Ice-Templating Process. <i>Advanced Engineering Materials</i> , 2100860	3.5 1
6	Dual setting brushite-gelatin cement with increased ductility and sustained drug release.. <i>Journal of Biomaterials Applications</i> , 2022 , 8853282221075877	2.9 1
5	Calcium phosphate-based biomaterials trigger human macrophages to release extracellular traps.. <i>Biomaterials</i> , 2022 , 285, 121521	15.6 1
4	Cement-augmented screw fixation for calcaneal fracture treatment: a biomechanical study comparing two injectable bone substitutes. <i>Journal of Orthopaedic Surgery and Research</i> , 2020 , 15, 533	2.8 0
3	Chemical Surface Modifications 2008 , 51-116	
2	Osteoclast and osteoblast response to strontium-doped struvite coatings on titanium for improved bone integration. <i>Biomedizinische Technik</i> , 2020 , 65, 631-641	1.3
1	Hydraulic reactivity and cement formation of baghdadite. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 3554-3561	3.8

