

Chengtie Wu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

153
papers

11,620
citations

68
h-index

105
g-index

159
ext. papers

13,941
ext. citations

10.1
avg, IF

6.86
L-index

#	Paper	IF	Citations
153	Spindle-like Zinc Silicate Nano-particles Accelerating Innervated and Vascularized Skin Burn Wound Healing.. <i>Advanced Healthcare Materials</i> , 2022 , e2102359	10.1	3
152	An ultralong hydroxyapatite nanowire aerogel for rapid hemostasis and wound healing. <i>Chemical Engineering Journal</i> , 2022 , 430, 132912	14.7	4
151	Significantly decreased depolarization hydrostatic pressure of 3D-printed PZT95/5 ceramics with periodically distributed pores. <i>Journal of the American Ceramic Society</i> , 2022 , 105, 412	3.8	0
150	Bioceramic Scaffolds with Antioxidative Functions for ROS Scavenging and Osteochondral Regeneration.. <i>Advanced Science</i> , 2022 , e2105727	13.6	0
149	3D printing of tree-like scaffolds for innervated bone regeneration. <i>Additive Manufacturing</i> , 2022 , 54, 102721	6.1	1
148	3D printing of pink bioceramic scaffolds for bone tumor tissue therapy. <i>Applied Materials Today</i> , 2022 , 27, 101443	6.6	1
147	Cells-Micropatterning Biomaterials for Immune Activation and Bone Regeneration.. <i>Advanced Science</i> , 2022 , e2200670	13.6	2
146	Bamboo-based Biomaterials for Cell Transportation and Bone Integration.. <i>Advanced Healthcare Materials</i> , 2022 , e2200287	10.1	0
145	Three-dimensional printing of bioceramic-induced macrophage exosomes: immunomodulation and osteogenesis/angiogenesis. <i>NPG Asia Materials</i> , 2021 , 13,	10.3	1
144	Microbially Catalyzed Biomaterials for Bone Regeneration. <i>Advanced Materials</i> , 2021 , 33, e2104829	24	7
143	Sprayable β FeSi composite hydrogel for portable skin tumor treatment and wound healing. <i>Biomaterials</i> , 2021 , 279, 121225	15.6	10
142	Recent Advances in Biomaterial Scaffolds for Integrative Tumor Therapy and Bone Regeneration. <i>Advanced Therapeutics</i> , 2021 , 4, 2000212	4.9	1
141	Tailorable Zinc-Substituted Mesoporous Bioactive Glass/Alginate-Methylcellulose Composite Bioinks. <i>Materials</i> , 2021 , 14,	3.5	11
140	Haversian bone-mimicking bioceramic scaffolds enhancing MSC-macrophage osteo-immunomodulation. <i>Progress in Natural Science: Materials International</i> , 2021 , 31, 883-883	3.6	0
139	3D bioprinting of multicellular scaffolds for osteochondral regeneration. <i>Materials Today</i> , 2021 , 49, 68-68	11.8	10
138	Manganese-Doped Calcium Silicate Nanowire Composite Hydrogels for Melanoma Treatment and Wound Healing. <i>Research</i> , 2021 , 2021, 9780943	7.8	5
137	3D Printing of Strontium Silicate Microcylinder-Containing Multicellular Biomaterial Inks for Vascularized Skin Regeneration. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2100523	10.1	9

136	An immunomodulatory bioink with hollow manganese silicate nanospheres for angiogenesis. <i>Applied Materials Today</i> , 2021 , 23, 101015	6.6	5
135	Three-Dimensional Printing of Scaffolds with Synergistic Effects of Micro-Nano Surfaces and Hollow Channels for Bone Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 872-880	5.5	5
134	Co-inspired hydroxyapatite-based scaffolds for vascularized bone regeneration. <i>Acta Biomaterialia</i> , 2021 , 119, 419-431	10.8	19
133	Design of a biofluid-absorbing bioactive sandwich-structured Zn-Si bioceramic composite wound dressing for hair follicle regeneration and skin burn wound healing. <i>Bioactive Materials</i> , 2021 , 6, 1910-1920	16.7	21
132	3D Printing and Characterization of Microsphere Hydroxyapatite Scaffolds. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2021 , 36, 601	1	2
131	Bone cements for therapy and regeneration for minimally invasive treatment of neoplastic bone defects. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 4355-4364	7.3	5
130	3D Printed Wesselsite Nanosheets Functionalized Scaffold Facilitates NIR-II Photothermal Therapy and Vascularized Bone Regeneration. <i>Advanced Science</i> , 2021 , 8, e2100894	13.6	16
129	3D-printed bioceramic scaffolds with FeSmicroflowers for magnetothermal and chemodynamic therapy of bone tumor and regeneration of bone defects. <i>Biofabrication</i> , 2021 , 13,	10.5	4
128	3D Printing of Black Bioceramic Scaffolds with Micro/Nanostructure for Bone Tumor-Induced Tissue Therapy. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2101181	10.1	2
127	Mn-containing bioceramics inhibit osteoclastogenesis and promote osteoporotic bone regeneration via scavenging ROS. <i>Bioactive Materials</i> , 2021 , 6, 3839-3850	16.7	20
126	Manganese silicate nanospheres-incorporated hydrogels:starvation therapy and tissue regeneration. <i>Bioactive Materials</i> , 2021 , 6, 4558-4567	16.7	8
125	Well ordered-microstructure bioceramics. <i>Applied Materials Today</i> , 2021 , 25, 101194	6.6	1
124	3D printing of Haversian bone-mimicking scaffolds for multicellular delivery in bone regeneration. <i>Science Advances</i> , 2020 , 6, eaaz6725	14.3	90
123	MoS2 Nanoclusters-based biomaterials for disease- impaired wound therapy. <i>Applied Materials Today</i> , 2020 , 20, 100735	6.6	9
122	3D printing of hydrogels: Rational design strategies and emerging biomedical applications. <i>Materials Science and Engineering Reports</i> , 2020 , 140, 100543	30.9	241
121	Design of a Multifunctional Biomaterial Inspired by Ancient Chinese Medicine for Hair Regeneration in Burned Skin. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 12489-12499	9.5	26
120	Bioinspired Biomaterials with a Brick-and-Mortar Microstructure Combining Mechanical and Biological Performance. <i>Advanced Healthcare Materials</i> , 2020 , 9, e1901211	10.1	13
119	3D Printing of Bioinspired Biomaterials for Tissue Regeneration. <i>Advanced Healthcare Materials</i> , 2020 , 9, e2000208	10.1	16

118	Mesoporous bioactive glass for synergistic therapy of tumor and regeneration of bone tissue. <i>Applied Materials Today</i> , 2020 , 19, 100578	6.6	16
117	3D printing of metal-organic framework nanosheets-structured scaffolds with tumor therapy and bone construction. <i>Biofabrication</i> , 2020 , 12, 025005	10.5	39
116	3D Printing of Cell-Container-Like Scaffolds for Multicell Tissue Engineering. <i>Engineering</i> , 2020 , 6, 1276-1284	12.4	6
115	Black Bioceramics: Combining Regeneration with Therapy. <i>Advanced Materials</i> , 2020 , 32, e2005140	24	26
114	Bioactive Self-Pumping Composite Wound Dressings with Micropore Array Modified Janus Membrane for Enhanced Diabetic Wound Healing. <i>Advanced Functional Materials</i> , 2020 , 30, 2005422	15.6	37
113	Nanosized concave pit/convex dot microarray for immunomodulatory osteogenesis and angiogenesis. <i>Nanoscale</i> , 2020 , 12, 16474-16488	7.7	9
112	Multifunctional bioactive Nd-Ca-Si glasses for fluorescence thermometry, photothermal therapy, and burn tissue repair. <i>Science Advances</i> , 2020 , 6, eabb1311	14.3	47
111	Silicate bioceramics: from soft tissue regeneration to tumor therapy. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 5449-5460	7.3	31
110	Defective Black Nano-Titania Thermogels for Cutaneous Tumor-Induced Therapy and Healing. <i>Nano Letters</i> , 2019 , 19, 2138-2147	11.5	69
109	Nanobiomaterials: from 0D to 3D for tumor therapy and tissue regeneration. <i>Nanoscale</i> , 2019 , 11, 13678-13708	13.7	37
108	LaB6 surface chemistry-reinforced scaffolds for treating bone tumors and bone defects. <i>Applied Materials Today</i> , 2019 , 16, 42-55	6.6	26
107	A hydrogenated black TiO coating with excellent effects for photothermal therapy of bone tumor and bone regeneration. <i>Materials Science and Engineering C</i> , 2019 , 102, 458-470	8.3	29
106	Grape Seed-Inspired Smart Hydrogel Scaffolds for Melanoma Therapy and Wound Healing. <i>ACS Nano</i> , 2019 , 13, 4302-4311	16.7	95
105	Bioceramics to regulate stem cells and their microenvironment for tissue regeneration. <i>Materials Today</i> , 2019 , 24, 41-56	21.8	82
104	3D Printing of Hot Dog-Like Biomaterials with Hierarchical Architecture and Distinct Bioactivity. <i>Advanced Science</i> , 2019 , 6, 1901146	13.6	30
103	Bioinspired multifunctional biomaterials with hierarchical microstructure for wound dressing. <i>Acta Biomaterialia</i> , 2019 , 100, 270-279	10.8	38
102	Three-Dimensional-Printed Bioceramic Scaffolds with Osteogenic Activity for Simultaneous Photo/Magnetothermal Therapy of Bone Tumors. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 6725-6734	5.5	23
101	Copper-incorporated bioactive glass-ceramics inducing anti-inflammatory phenotype and regeneration of cartilage/bone interface. <i>Theranostics</i> , 2019 , 9, 6300-6313	12.1	50

100	Chinese sesame stick-inspired nano-fibrous scaffolds for tumor therapy and skin tissue reconstruction. <i>Biomaterials</i> , 2019 , 194, 25-35	15.6	33
99	Bioactive scaffolds for osteochondral regeneration. <i>Journal of Orthopaedic Translation</i> , 2019 , 17, 15-25	4.2	47
98	Silicate-based bioceramic scaffolds for dual-lineage regeneration of osteochondral defect. <i>Biomaterials</i> , 2019 , 192, 323-333	15.6	65
97	Micro/Nanometer-Structured Scaffolds for Regeneration of Both Cartilage and Subchondral Bone. <i>Advanced Functional Materials</i> , 2019 , 29, 1806068	15.6	51
96	3D printing of a lithium-calcium-silicate crystal bioscaffold with dual bioactivities for osteochondral interface reconstruction. <i>Biomaterials</i> , 2019 , 196, 138-150	15.6	93
95	Copper Silicate Hollow Microspheres-Incorporated Scaffolds for Chemo-Photothermal Therapy of Melanoma and Tissue Healing. <i>ACS Nano</i> , 2018 , 12, 2695-2707	16.7	114
94	Bioactive inorganic/organic nanocomposites for wound healing. <i>Applied Materials Today</i> , 2018 , 11, 308-318	3.8	76
93	3D printing of high-strength bioscaffolds for the synergistic treatment of bone cancer. <i>NPG Asia Materials</i> , 2018 , 10, 31-44	10.3	76
92	3D-printed scaffolds with bioactive elements-induced photothermal effect for bone tumor therapy. <i>Acta Biomaterialia</i> , 2018 , 73, 531-546	10.8	70
91	3D Printed Fe Scaffolds with HA Nanocoating for Bone Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 608-616	5.5	72
90	A bifunctional scaffold with CuFeSe nanocrystals for tumor therapy and bone reconstruction. <i>Biomaterials</i> , 2018 , 160, 92-106	15.6	95
89	Bioactive scaffolds with Li and Si ions-synergistic effects for osteochondral defects regeneration. <i>Applied Materials Today</i> , 2018 , 10, 203-216	6.6	34
88	Bioactive Scaffolds for Regeneration of Cartilage and Subchondral Bone Interface. <i>Theranostics</i> , 2018 , 8, 1940-1955	12.1	64
87	Ultrathin Cu-TCPP MOF nanosheets: a new theragnostic nanoplatfrom with magnetic resonance/near-infrared thermal imaging for synergistic phototherapy of cancers. <i>Theranostics</i> , 2018 , 8, 4086-4096	12.1	100
86	Regulation of immune response by bioactive ions released from silicate bioceramics for bone regeneration. <i>Acta Biomaterialia</i> , 2018 , 66, 81-92	10.8	81
85	Tuning microenvironment for multicellular spheroid formation in thermo-responsive anionic microgel scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 2899-2909	5.4	7
84	3D printing of Mo-containing scaffolds with activated anabolic responses and bi-lineage bioactivities. <i>Theranostics</i> , 2018 , 8, 4372-4392	12.1	19
83	3D-printed bioceramic scaffolds: From bone tissue engineering to tumor therapy. <i>Acta Biomaterialia</i> , 2018 , 79, 37-59	10.8	211

82	Assembly Preparation of Multilayered Biomaterials with High Mechanical Strength and Bone-Forming Bioactivity. <i>Chemistry of Materials</i> , 2018 , 30, 4646-4657	9.6	19
81	Strategies to direct vascularisation using mesoporous bioactive glass-based biomaterials for bone regeneration. <i>International Materials Reviews</i> , 2017 , 62, 392-414	16.1	28
80	Ultrasmall CuCo ₂ S ₄ Nanocrystals: All-in-One Theragnosis Nanoplatform with Magnetic Resonance/Near-Infrared Imaging for Efficiently Photothermal Therapy of Tumors. <i>Advanced Functional Materials</i> , 2017 , 27, 1606218	15.6	86
79	3D-Printed Bioactive CaSiO Bone Cement Scaffolds with Nano Surface Structure for Bone Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 5757-5767	9.5	66
78	A 3D-printed scaffold with MoS ₂ nanosheets for tumor therapy and tissue regeneration. <i>NPG Asia Materials</i> , 2017 , 9, e376-e376	10.3	84
77	3D-printed scaffolds with synergistic effect of hollow-pipe structure and bioactive ions for vascularized bone regeneration. <i>Biomaterials</i> , 2017 , 135, 85-95	15.6	130
76	Nanoporous microstructures mediate osteogenesis by modulating the osteo-immune response of macrophages. <i>Nanoscale</i> , 2017 , 9, 706-718	7.7	97
75	3D Printing of Lotus Root-Like Biomimetic Materials for Cell Delivery and Tissue Regeneration. <i>Advanced Science</i> , 2017 , 4, 1700401	13.6	103
74	Electrospun Micropatterned Nanocomposites Incorporated with CuS Nanoflowers for Skin Tumor Therapy and Wound Healing. <i>ACS Nano</i> , 2017 , 11, 11337-11349	16.7	134
73	Europium-doped mesoporous silica nanosphere as an immune-modulating osteogenesis/angiogenesis agent. <i>Biomaterials</i> , 2017 , 144, 176-187	15.6	98
72	A conducive bioceramic/polymer composite biomaterial for diabetic wound healing. <i>Acta Biomaterialia</i> , 2017 , 60, 128-143	10.8	91
71	Silicate-based bioceramics regulating osteoblast differentiation through a BMP2 signalling pathway. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 7297-7306	7.3	27
70	A Bifunctional Biomaterial with Photothermal Effect for Tumor Therapy and Bone Regeneration. <i>Advanced Functional Materials</i> , 2016 , 26, 1197-1208	15.6	182
69	Osteoimmunomodulation for the development of advanced bone biomaterials. <i>Materials Today</i> , 2016 , 19, 304-321	21.8	345
68	Hierarchical bioceramic scaffolds with 3D-plotted macropores and mussel-inspired surface nanolayers for stimulating osteogenesis. <i>Nanoscale</i> , 2016 , 8, 13790-803	7.7	32
67	Preparation of copper-containing bioactive glass/eggshell membrane nanocomposites for improving angiogenesis, antibacterial activity and wound healing. <i>Acta Biomaterialia</i> , 2016 , 36, 254-66	10.8	178
66	Copper-doped mesoporous silica nanospheres, a promising immunomodulatory agent for inducing osteogenesis. <i>Acta Biomaterialia</i> , 2016 , 30, 334-344	10.8	150
65	3D-printed bioceramic scaffolds with a FeO/graphene oxide nanocomposite interface for hyperthermia therapy of bone tumor cells. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 2874-2886	7.3	74

64	Preparation and in vitro osteogenic, angiogenic and antibacterial properties of cuprorivaite (CaCuSi ₄ O ₁₀ , Cup) bioceramics. <i>RSC Advances</i> , 2016 , 6, 45840-45849	3.7	38
63	3D printing of biomaterials with mussel-inspired nanostructures for tumor therapy and tissue regeneration. <i>Biomaterials</i> , 2016 , 111, 138-148	15.6	116
62	Novel Co-akermanite (CaCoSiO) bioceramics with the activity to stimulate osteogenesis and angiogenesis. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 6773-6782	7.3	34
61	The effect of osteoimmunomodulation on the osteogenic effects of cobalt incorporated strontium calcium phosphate. <i>Biomaterials</i> , 2015 , 61, 126-38	15.6	132
60	Graphene-oxide-modified strontium calcium phosphate bioceramics stimulate in vitro and in vivo osteogenesis. <i>Carbon</i> , 2015 , 93, 116-129	10.4	101
59	Hierarchically porous nagelschmidite bioceramic-silk scaffolds for bone tissue engineering. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 3799-3809	7.3	50
58	Alginate/nanohydroxyapatite scaffolds with designed core/shell structures fabricated by 3D plotting and in situ mineralization for bone tissue engineering. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 6541-9	9.5	114
57	Mesoporous bioactive glass nanolayer-functionalized 3D-printed scaffolds for accelerating osteogenesis and angiogenesis. <i>Nanoscale</i> , 2015 , 7, 19207-21	7.7	96
56	Three-Dimensional Printing of Hollow-Struts-Packed Bioceramic Scaffolds for Bone Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 24377-83	9.5	72
55	Hierarchically micro-patterned nanofibrous scaffolds with a nanosized bio-glass surface for accelerating wound healing. <i>Nanoscale</i> , 2015 , 7, 18446-52	7.7	80
54	Clinoenstatite coatings have high bonding strength, bioactive ion release, and osteoimmunomodulatory effects that enhance in vivo osseointegration. <i>Biomaterials</i> , 2015 , 71, 35-47	15.6	73
53	Procyanidins-crosslinked aortic elastin scaffolds with distinctive anti-calcification and biological properties. <i>Acta Biomaterialia</i> , 2015 , 16, 81-93	10.8	32
52	Multifunctional mesoporous bioactive glasses for effective delivery of therapeutic ions and drug/growth factors. <i>Journal of Controlled Release</i> , 2014 , 193, 282-95	11.7	251
51	Mussel-inspired bioceramics with self-assembled Ca-P/polydopamine composite nanolayer: preparation, formation mechanism, improved cellular bioactivity and osteogenic differentiation of bone marrow stromal cells. <i>Acta Biomaterialia</i> , 2014 , 10, 428-38	10.8	92
50	A Bi-Lineage Conductive Scaffold for Osteochondral Defect Regeneration. <i>Advanced Functional Materials</i> , 2014 , 24, 4473-4483	15.6	64
49	Osteoimmunomodulatory properties of magnesium scaffolds coated with strontium calcium phosphate. <i>Biomaterials</i> , 2014 , 35, 8553-65	15.6	169
48	Lithium release from strontium calcium phosphate inducing cementogenic and osteogenic differentiation of both hPDLs and hBMSCs. <i>Biomaterials Science</i> , 2014 , 2, 1230-1243	7.4	23
47	In vitro assessment of three-dimensionally plotted nagelschmidite bioceramic scaffolds with varied macropore morphologies. <i>Acta Biomaterialia</i> , 2014 , 10, 463-76	10.8	66

46	Osteogenic differentiation of bone marrow MSCs by tricalcium phosphate stimulating macrophages via BMP2 signalling pathway. <i>Biomaterials</i> , 2014 , 35, 1507-18	15.6	206
45	Advances in synthesis of calcium phosphate crystals with controlled size and shape. <i>Acta Biomaterialia</i> , 2014 , 10, 4071-102	10.8	273
44	Nanosized mesoporous bioactive glass/poly(lactic-co-glycolic acid) composite-coated CaSiO ₃ scaffolds with multifunctional properties for bone tissue engineering. <i>BioMed Research International</i> , 2014 , 2014, 323046	3	17
43	Stimulation of osteogenic and angiogenic ability of cells on polymers by pulsed laser deposition of uniform akermanite-glass nanolayer. <i>Acta Biomaterialia</i> , 2014 , 10, 3295-306	10.8	20
42	A review of bioactive silicate ceramics. <i>Biomedical Materials (Bristol)</i> , 2013 , 8, 032001	3.5	183
41	Biomaterial scaffolds in cartilage-subchondral bone defects influencing the repair of autologous articular cartilage transplants. <i>Journal of Biomaterials Applications</i> , 2013 , 27, 979-89	2.9	13
40	Delivery of dimethylallyl glycine in mesoporous bioactive glass scaffolds to improve angiogenesis and osteogenesis of human bone marrow stromal cells. <i>Acta Biomaterialia</i> , 2013 , 9, 9159-68	10.8	76
39	Stimulatory effects of the ionic products from Ca-Mg-Si bioceramics on both osteogenesis and angiogenesis in vitro. <i>Acta Biomaterialia</i> , 2013 , 9, 8004-14	10.8	148
38	Nagelschmidite bioceramics with osteostimulation properties: material chemistry activating osteogenic genes and WNT signalling pathway of human bone marrow stromal cells. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 876-885	7.3	36
37	Porous nagelschmidite bioceramic scaffolds with improved in vitro and in vivo cementogenesis for periodontal tissue engineering. <i>RSC Advances</i> , 2013 , 3, 17843	3.7	5
36	Functional mesoporous bioactive glass nanospheres: synthesis, high loading efficiency, controllable delivery of doxorubicin and inhibitory effect on bone cancer cells. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 2710-2718	7.3	114
35	Mussel-inspired bioactive ceramics with improved bioactivity, cell proliferation, differentiation and bone-related gene expression of MC3T3 cells. <i>Biomaterials Science</i> , 2013 , 1, 933-941	7.4	29
34	Copper-containing mesoporous bioactive glass scaffolds with multifunctional properties of angiogenesis capacity, osteostimulation and antibacterial activity. <i>Biomaterials</i> , 2013 , 34, 422-33	15.6	535
33	Preparation, Characterization, and In Vitro Bioactivity of Nagelschmidite Bioceramics. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 928-934	3.8	13
32	Hypoxia-mimicking mesoporous bioactive glass scaffolds with controllable cobalt ion release for bone tissue engineering. <i>Biomaterials</i> , 2012 , 33, 2076-85	15.6	328
31	3D-printing of highly uniform CaSiO ₃ ceramic scaffolds: preparation, characterization and in vivo osteogenesis. <i>Journal of Materials Chemistry</i> , 2012 , 22, 12288		157
30	Mesoporous bioactive glasses: structure characteristics, drug/growth factor delivery and bone regeneration application. <i>Interface Focus</i> , 2012 , 2, 292-306	3.9	214
29	The effect of poly(lactic-co-glycolic acid) (PLGA) coating on the mechanical, biodegradable, bioactive properties and drug release of porous calcium silicate scaffolds. <i>Bio-Medical Materials and Engineering</i> , 2012 , 22, 289-300	1	16

28	In situ preparation and protein delivery of silicate-alginate composite microspheres with core-shell structure. <i>Journal of the Royal Society Interface</i> , 2011 , 8, 1804-14	4.1	34
27	Proliferation, differentiation and gene expression of osteoblasts in boron-containing associated with dexamethasone deliver from mesoporous bioactive glass scaffolds. <i>Biomaterials</i> , 2011 , 32, 7068-78 ^{15.6}	15.6	205
26	Multifunctional magnetic mesoporous bioactive glass scaffolds with a hierarchical pore structure. <i>Acta Biomaterialia</i> , 2011 , 7, 3563-72	10.8	149
25	Bioactive SrO-SiO ₂ glass with well-ordered mesopores: characterization, physiochemistry and biological properties. <i>Acta Biomaterialia</i> , 2011 , 7, 1797-806	10.8	105
24	Mesoporous bioactive glasses as drug delivery and bone tissue regeneration platforms. <i>Therapeutic Delivery</i> , 2011 , 2, 1189-98	3.8	61
23	Three-dimensional printing of hierarchical and tough mesoporous bioactive glass scaffolds with a controllable pore architecture, excellent mechanical strength and mineralization ability. <i>Acta Biomaterialia</i> , 2011 , 7, 2644-50	10.8	288
22	Bioactive mesopore-glass microspheres with controllable protein-delivery properties by biomimetic surface modification. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 95, 476-85	5.4	61
21	Porous bioactive diopside (CaMgSi(2)O(6)) ceramic microspheres for drug delivery. <i>Acta Biomaterialia</i> , 2010 , 6, 820-9	10.8	74
20	Porous diopside (CaMgSi(2)O(6)) scaffold: A promising bioactive material for bone tissue engineering. <i>Acta Biomaterialia</i> , 2010 , 6, 2237-45	10.8	173
19	Structure-property relationships of silk-modified mesoporous bioglass scaffolds. <i>Biomaterials</i> , 2010 , 31, 3429-38	15.6	164
18	The effect of mesoporous bioactive glass on the physiochemical, biological and drug-release properties of poly(DL-lactide-co-glycolide) films. <i>Biomaterials</i> , 2009 , 30, 2199-208	15.6	159
17	Effects of bovine colostrum acid protein on bone loss and hemobiochemistry indexes in rats. <i>Dairy Science and Technology</i> , 2009 , 89, 449-461		1
16	Methods of improving mechanical and biomedical properties of Ca-Si-based ceramics and scaffolds. <i>Expert Review of Medical Devices</i> , 2009 , 6, 237-41	3.5	32
15	Plasma-sprayed CaTiSiO ₅ ceramic coating on Ti-6Al-4V with excellent bonding strength, stability and cellular bioactivity. <i>Journal of the Royal Society Interface</i> , 2009 , 6, 159-68	4.1	62
14	Incorporation of titanium into calcium silicate improved their chemical stability and biological properties. <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 86, 402-10	5.4	83
13	The effect of Zn contents on phase composition, chemical stability and cellular bioactivity in Zn-Ca-Si system ceramics. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008 , 87, 346-53	3.5	61
12	Improvement of mechanical and biological properties of porous CaSiO ₃ scaffolds by poly(D,L-lactic acid) modification. <i>Acta Biomaterialia</i> , 2008 , 4, 343-53	10.8	139
11	Novel sphene coatings on Ti-6Al-4V for orthopedic implants using sol-gel method. <i>Acta Biomaterialia</i> , 2008 , 4, 569-76	10.8	80

10	Degradation, bioactivity, and cytocompatibility of diopside, akermanite, and bredigite ceramics. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2007 , 83, 153-60	3.5	223
9	The effect of strontium incorporation into CaSiO ₃ ceramics on their physical and biological properties. <i>Biomaterials</i> , 2007 , 28, 3171-81	15.6	193
8	A novel bioactive porous bredigite (Ca ₇ MgSi ₄ O ₁₆) scaffold with biomimetic apatite layer for bone tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2007 , 18, 857-64	4.5	112
7	Synthesis and in vitro bioactivity of bredigite powders. <i>Journal of Biomaterials Applications</i> , 2007 , 21, 251-63	2.9	51
6	In vitro bioactivity of akermanite ceramics. <i>Journal of Biomedical Materials Research - Part A</i> , 2006 , 76, 73-80	5.4	154
5	Porous akermanite scaffolds for bone tissue engineering: preparation, characterization, and in vitro studies. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006 , 78, 47-55	3.5	129
4	Preparation and characteristics of a calcium magnesium silicate (bredigite) bioactive ceramic. <i>Biomaterials</i> , 2005 , 26, 2925-31	15.6	178
3	Synthesis and apatite-formation ability of akermanite. <i>Materials Letters</i> , 2004 , 58, 2415-2417	3.3	87
2	Inorganic biomaterials-based biinks for three-dimensional bioprinting of regenerative scaffolds. <i>View</i> , 20210018	7.8	2
1	Bioactive inorganic particles-based biomaterials for skin tissue engineering. <i>Exploration</i> , 20210083		5