Chengtie Wu

List of Publications by Citations

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	Copper-containing mesoporous bioactive glass scaffolds with multifunctional properties of angiogenesis capacity, osteostimulation and antibacterial activity. *Biomaterials*, **2013**, 34, 422-33	15.6	535
152	Osteoimmunomodulation for the development of advanced bone biomaterials. *Materials Today*, **2016**, 19, 304-321	21.8	345
151	Hypoxia-mimicking mesoporous bioactive glass scaffolds with controllable cobalt ion release for bone tissue engineering. *Biomaterials*, **2012**, 33, 2076-85	15.6	328
150	Three-dimensional printing of hierarchical and tough mesoporous bioactive glass scaffolds with a controllable pore architecture, excellent mechanical strength and mineralization ability. *Acta Biomaterialia*, **2011**, 7, 2644-50	10.8	288
149	Advances in synthesis of calcium phosphate crystals with controlled size and shape. *Acta Biomaterialia*, **2014**, 10, 4071-102	10.8	273
148	Multifunctional mesoporous bioactive glasses for effective delivery of therapeutic ions and drug/growth factors. *Journal of Controlled Release*, **2014**, 193, 282-95	11.7	251
147	3D printing of hydrogels: Rational design strategies and emerging biomedical applications. *Materials Science and Engineering Reports*, **2020**, 140, 100543	30.9	241
146	Degradation, bioactivity, and cytocompatibility of diopside, akermanite, and bredigite ceramics. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2007**, 83, 153-60	3.5	223
145	Mesoporous bioactive glasses: structure characteristics, drug/growth factor delivery and bone regeneration application. *Interface Focus*, **2012**, 2, 292-306	3.9	214
144	3D-printed bioceramic scaffolds: From bone tissue engineering to tumor therapy. *Acta Biomaterialia*, **2018**, 79, 37-59	10.8	211
143	Osteogenic differentiation of bone marrow MSCs by β-tricalcium phosphate stimulating macrophages via BMP2 signalling pathway. *Biomaterials*, **2014**, 35, 1507-18	15.6	206
142	Proliferation, differentiation and gene expression of osteoblasts in boron-containing associated with dexamethasone deliver from mesoporous bioactive glass scaffolds. *Biomaterials*, **2011**, 32, 7068-78	15.6	205
141	The effect of strontium incorporation into CaSiO3 ceramics on their physical and biological properties. *Biomaterials*, **2007**, 28, 3171-81	15.6	193
140	A review of bioactive silicate ceramics. *Biomedical Materials (Bristol)*, **2013**, 8, 032001	3.5	183
139	A Bifunctional Biomaterial with Photothermal Effect for Tumor Therapy and Bone Regeneration. *Advanced Functional Materials*, **2016**, 26, 1197-1208	15.6	182
138	Preparation of copper-containing bioactive glass/eggshell membrane nanocomposites for improving angiogenesis, antibacterial activity and wound healing. *Acta Biomaterialia*, **2016**, 36, 254-66	10.8	178
137	Preparation and characteristics of a calcium magnesium silicate (bredigite) bioactive ceramic. *Biomaterials*, **2005**, 26, 2925-31	15.6	178

136	Porous diopside (CaMgSi(2)O(6)) scaffold: A promising bioactive material for bone tissue engineering. *Acta Biomaterialia*, **2010**, 6, 2237-45	10.8	173
135	Osteoimmunomodulatory properties of magnesium scaffolds coated with β-tricalcium phosphate. *Biomaterials*, **2014**, 35, 8553-65	15.6	169
134	Structure-property relationships of silk-modified mesoporous bioglass scaffolds. *Biomaterials*, **2010**, 31, 3429-38	15.6	164
133	The effect of mesoporous bioactive glass on the physiochemical, biological and drug-release properties of poly(DL-lactide-co-glycolide) films. *Biomaterials*, **2009**, 30, 2199-208	15.6	159
132	3D-printing of highly uniform CaSiO3 ceramic scaffolds: preparation, characterization and in vivo osteogenesis. *Journal of Materials Chemistry*, **2012**, 22, 12288		157
131	In vitro bioactivity of akermanite ceramics. *Journal of Biomedical Materials Research - Part A*, **2006**, 76, 73-80	5.4	154
130	Copper-doped mesoporous silica nanospheres, a promising immunomodulatory agent for inducing osteogenesis. *Acta Biomaterialia*, **2016**, 30, 334-344	10.8	150
129	Multifunctional magnetic mesoporous bioactive glass scaffolds with a hierarchical pore structure. *Acta Biomaterialia*, **2011**, 7, 3563-72	10.8	149
128	Stimulatory effects of the ionic products from Ca-Mg-Si bioceramics on both osteogenesis and angiogenesis in vitro. *Acta Biomaterialia*, **2013**, 9, 8004-14	10.8	148
127	Improvement of mechanical and biological properties of porous CaSiO3 scaffolds by poly(D,L-lactic acid) modification. *Acta Biomaterialia*, **2008**, 4, 343-53	10.8	139
126	Electrospun Micropatterned Nanocomposites Incorporated with CuS Nanoflowers for Skin Tumor Therapy and Wound Healing. *ACS Nano*, **2017**, 11, 11337-11349	16.7	134
125	The effect of osteoimmunomodulation on the osteogenic effects of cobalt incorporated β-tricalcium phosphate. *Biomaterials*, **2015**, 61, 126-38	15.6	132
124	3D-printed scaffolds with synergistic effect of hollow-pipe structure and bioactive ions for vascularized bone regeneration. *Biomaterials*, **2017**, 135, 85-95	15.6	130
123	Porous akermanite scaffolds for bone tissue engineering: preparation, characterization, and in vitro studies. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2006**, 78, 47-55	3.5	129
122	3D printing of biomaterials with mussel-inspired nanostructures for tumor therapy and tissue regeneration. *Biomaterials*, **2016**, 111, 138-148	15.6	116
121	Alginate/nanohydroxyapatite scaffolds with designed core/shell structures fabricated by 3D plotting and in situ mineralization for bone tissue engineering. *ACS Applied Materials & Interfaces*, **2015**, 7, 6541-9	9.5	114
120	Copper Silicate Hollow Microspheres-Incorporated Scaffolds for Chemo-Photothermal Therapy of Melanoma and Tissue Healing. *ACS Nano*, **2018**, 12, 2695-2707	16.7	114
119	Functional mesoporous bioactive glass nanospheres: synthesis, high loading efficiency, controllable delivery of doxorubicin and inhibitory effect on bone cancer cells. *Journal of Materials Chemistry B*, **2013**, 1, 2710-2718	7.3	114

118	A novel bioactive porous bredigite (Ca7MgSi4O16) scaffold with biomimetic apatite layer for bone tissue engineering. *Journal of Materials Science: Materials in Medicine*, **2007**, 18, 857-64	4.5	112
117	Bioactive SrO-SiO2 glass with well-ordered mesopores: characterization, physiochemistry and biological properties. *Acta Biomaterialia*, **2011**, 7, 1797-806	10.8	105
116	3D Printing of Lotus Root-Like Biomimetic Materials for Cell Delivery and Tissue Regeneration. *Advanced Science*, **2017**, 4, 1700401	13.6	103
115	Graphene-oxide-modified tricalcium phosphate bioceramics stimulate in vitro and in vivo osteogenesis. *Carbon*, **2015**, 93, 116-129	10.4	101
114	Ultrathin Cu-TCPP MOF nanosheets: a new theragnostic nanoplatform with magnetic resonance/near-infrared thermal imaging for synergistic phototherapy of cancers. *Theranostics*, **2018**, 8, 4086-4096	12.1	100
113	Europium-doped mesoporous silica nanosphere as an immune-modulating osteogenesis/angiogenesis agent. *Biomaterials*, **2017**, 144, 176-187	15.6	98
112	Nanoporous microstructures mediate osteogenesis by modulating the osteo-immune response of macrophages. *Nanoscale*, **2017**, 9, 706-718	7.7	97
111	Mesoporous bioactive glass nanolayer-functionalized 3D-printed scaffolds for accelerating osteogenesis and angiogenesis. *Nanoscale*, **2015**, 7, 19207-21	7.7	96
110	Grape Seed-Inspired Smart Hydrogel Scaffolds for Melanoma Therapy and Wound Healing. *ACS Nano*, **2019**, 13, 4302-4311	16.7	95
109	A bifunctional scaffold with CuFeSe nanocrystals for tumor therapy and bone reconstruction. *Biomaterials*, **2018**, 160, 92-106	15.6	95
108	3D printing of a lithium-calcium-silicate crystal bioscaffold with dual bioactivities for osteochondral interface reconstruction. *Biomaterials*, **2019**, 196, 138-150	15.6	93
107	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. *Acta Biomaterialia*, **2014**, 10, 428-38	10.8	92
106	A conducive bioceramic/polymer composite biomaterial for diabetic wound healing. *Acta Biomaterialia*, **2017**, 60, 128-143	10.8	91
105	3D printing of Haversian bone-mimicking scaffolds for multicellular delivery in bone regeneration. *Science Advances*, **2020**, 6, eaaz6725	14.3	90
104	Synthesis and apatite-formation ability of akermanite. *Materials Letters*, **2004**, 58, 2415-2417	3.3	87
103	Ultrasmall CuCo2S4 Nanocrystals: All-in-One Theragnosis Nanoplatform with Magnetic Resonance/Near-Infrared Imaging for Efficiently Photothermal Therapy of Tumors. *Advanced Functional Materials*, **2017**, 27, 1606218	15.6	86
102	A 3D-printed scaffold with MoS2 nanosheets for tumor therapy and tissue regeneration. *NPG Asia Materials*, **2017**, 9, e376-e376	10.3	84
101	Incorporation of titanium into calcium silicate improved their chemical stability and biological properties. *Journal of Biomedical Materials Research - Part A*, **2008**, 86, 402-10	5.4	83

100	Bioceramics to regulate stem cells and their microenvironment for tissue regeneration. *Materials Today*, **2019**, 24, 41-56	21.8	82
99	Regulation of immune response by bioactive ions released from silicate bioceramics for bone regeneration. *Acta Biomaterialia*, **2018**, 66, 81-92	10.8	81
98	Hierarchically micro-patterned nanofibrous scaffolds with a nanosized bio-glass surface for accelerating wound healing. *Nanoscale*, **2015**, 7, 18446-52	7.7	80
97	Novel sphene coatings on Ti-6Al-4V for orthopedic implants using sol-gel method. *Acta Biomaterialia*, **2008**, 4, 569-76	10.8	80
96	Bioactive inorganic/organic nanocomposites for wound healing. *Applied Materials Today*, **2018**, 11, 308-320	11.9	76
95	3D printing of high-strength bioscaffolds for the synergistic treatment of bone cancer. *NPG Asia Materials*, **2018**, 10, 31-44	10.3	76
94	Delivery of dimethyloxallyl glycine in mesoporous bioactive glass scaffolds to improve angiogenesis and osteogenesis of human bone marrow stromal cells. *Acta Biomaterialia*, **2013**, 9, 9159-68	10.8	76
93	Porous bioactive diopside (CaMgSi(2)O(6)) ceramic microspheres for drug delivery. *Acta Biomaterialia*, **2010**, 6, 820-9	10.8	74
92	3D-printed bioceramic scaffolds with a FeO/graphene oxide nanocomposite interface for hyperthermia therapy of bone tumor cells. *Journal of Materials Chemistry B*, **2016**, 4, 2874-2886	7.3	74
91	Clinoenstatite coatings have high bonding strength, bioactive ion release, and osteoimmunomodulatory effects that enhance in vivo osseointegration. *Biomaterials*, **2015**, 71, 35-47	15.6	73
90	Three-Dimensional Printing of Hollow-Struts-Packed Bioceramic Scaffolds for Bone Regeneration. *ACS Applied Materials & Interfaces*, **2015**, 7, 24377-83	9.5	72
89	3D Printed Fe Scaffolds with HA Nanocoating for Bone Regeneration. *ACS Biomaterials Science and Engineering*, **2018**, 4, 608-616	5.5	72
88	3D-printed scaffolds with bioactive elements-induced photothermal effect for bone tumor therapy. *Acta Biomaterialia*, **2018**, 73, 531-546	10.8	70
87	Defective Black Nano-Titania Thermogels for Cutaneous Tumor-Induced Therapy and Healing. *Nano Letters*, **2019**, 19, 2138-2147	11.5	69
86	3D-Printed Bioactive CaSiO Bone Cement Scaffolds with Nano Surface Structure for Bone Regeneration. *ACS Applied Materials & Interfaces*, **2017**, 9, 5757-5767	9.5	66
85	In vitro assessment of three-dimensionally plotted nagelschmidtite bioceramic scaffolds with varied macropore morphologies. *Acta Biomaterialia*, **2014**, 10, 463-76	10.8	66
84	Silicate-based bioceramic scaffolds for dual-lineage regeneration of osteochondral defect. *Biomaterials*, **2019**, 192, 323-333	15.6	65
83	Bioactive Scaffolds for Regeneration of Cartilage and Subchondral Bone Interface. *Theranostics*, **2018**, 8, 1940-1955	12.1	64

82	A Bi-Lineage Conducive Scaffold for Osteochondral Defect Regeneration. *Advanced Functional Materials*, **2014**, 24, 4473-4483	15.6	64
81	Plasma-sprayed CaTiSiO5 ceramic coating on Ti-6Al-4V with excellent bonding strength, stability and cellular bioactivity. *Journal of the Royal Society Interface*, **2009**, 6, 159-68	4.1	62
80	Mesoporous bioactive glasses as drug delivery and bone tissue regeneration platforms. *Therapeutic Delivery*, **2011**, 2, 1189-98	3.8	61
79	Bioactive mesopore-glass microspheres with controllable protein-delivery properties by biomimetic surface modification. *Journal of Biomedical Materials Research - Part A*, **2010**, 95, 476-85	5.4	61
78	The effect of Zn contents on phase composition, chemical stability and cellular bioactivity in Zn-Ca-Si system ceramics. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2008**, 87, 346-53	3.5	61
77	Synthesis and in vitro bioactivity of bredigite powders. *Journal of Biomaterials Applications*, **2007**, 21, 251-63	2.9	51
76	Micro/Nanometer-Structured Scaffolds for Regeneration of Both Cartilage and Subchondral Bone. *Advanced Functional Materials*, **2019**, 29, 1806068	15.6	51
75	Hierarchically porous nagelschmidtite bioceramic-silk scaffolds for bone tissue engineering. *Journal of Materials Chemistry B*, **2015**, 3, 3799-3809	7.3	50
74	Copper-incorporated bioactive glass-ceramics inducing anti-inflammatory phenotype and regeneration of cartilage/bone interface. *Theranostics*, **2019**, 9, 6300-6313	12.1	50
73	Multifunctional bioactive Nd-Ca-Si glasses for fluorescence thermometry, photothermal therapy, and burn tissue repair. *Science Advances*, **2020**, 6, eabb1311	14.3	47
72	Bioactive scaffolds for osteochondral regeneration. *Journal of Orthopaedic Translation*, **2019**, 17, 15-25	4.2	47
71	3D printing of metal-organic framework nanosheets-structured scaffolds with tumor therapy and bone construction. *Biofabrication*, **2020**, 12, 025005	10.5	39
70	Bioinspired multifunctional biomaterials with hierarchical microstructure for wound dressing. *Acta Biomaterialia*, **2019**, 100, 270-279	10.8	38
69	Preparation and in vitro osteogenic, angiogenic and antibacterial properties of cuprorivaite (CaCuSi4O10, Cup) bioceramics. *RSC Advances*, **2016**, 6, 45840-45849	3.7	38
68	Nanobiomaterials: from 0D to 3D for tumor therapy and tissue regeneration. *Nanoscale*, **2019**, 11, 13678-13708	7.7	37
67	Bioactive Self-Pumping Composite Wound Dressings with Micropore Array Modified Janus Membrane for Enhanced Diabetic Wound Healing. *Advanced Functional Materials*, **2020**, 30, 2005422	15.6	37
66	Nagelschmidtite bioceramics with osteostimulation properties: material chemistry activating osteogenic genes and WNT signalling pathway of human bone marrow stromal cells. *Journal of Materials Chemistry B*, **2013**, 1, 876-885	7.3	36
65	Novel Co-akermanite (CaCoSiO) bioceramics with the activity to stimulate osteogenesis and angiogenesis. *Journal of Materials Chemistry B*, **2015**, 3, 6773-6782	7.3	34

64	Bioactive scaffolds with Li and Si ions-synergistic effects for osteochondral defects regeneration. *Applied Materials Today*, **2018**, 10, 203-216	6.6	34
63	In situ preparation and protein delivery of silicate-alginate composite microspheres with core-shell structure. *Journal of the Royal Society Interface*, **2011**, 8, 1804-14	4.1	34
62	Chinese sesame stick-inspired nano-fibrous scaffolds for tumor therapy and skin tissue reconstruction. *Biomaterials*, **2019**, 194, 25-35	15.6	33
61	Hierarchical bioceramic scaffolds with 3D-plotted macropores and mussel-inspired surface nanolayers for stimulating osteogenesis. *Nanoscale*, **2016**, 8, 13790-803	7.7	32
60	Procyanidins-crosslinked aortic elastin scaffolds with distinctive anti-calcification and biological properties. *Acta Biomaterialia*, **2015**, 16, 81-93	10.8	32
59	Methods of improving mechanical and biomedical properties of Ca-Si-based ceramics and scaffolds. *Expert Review of Medical Devices*, **2009**, 6, 237-41	3.5	32
58	Silicate bioceramics: from soft tissue regeneration to tumor therapy. *Journal of Materials Chemistry B*, **2019**, 7, 5449-5460	7.3	31
57	3D Printing of Hot Dog-Like Biomaterials with Hierarchical Architecture and Distinct Bioactivity. *Advanced Science*, **2019**, 6, 1901146	13.6	30
56	A hydrogenated black TiO coating with excellent effects for photothermal therapy of bone tumor and bone regeneration. *Materials Science and Engineering C*, **2019**, 102, 458-470	8.3	29
55	Mussel-inspired bioactive ceramics with improved bioactivity, cell proliferation, differentiation and bone-related gene expression of MC3T3 cells. *Biomaterials Science*, **2013**, 1, 933-941	7.4	29
54	Strategies to direct vascularisation using mesoporous bioactive glass-based biomaterials for bone regeneration. *International Materials Reviews*, **2017**, 62, 392-414	16.1	28
53	Silicate-based bioceramics regulating osteoblast differentiation through a BMP2 signalling pathway. *Journal of Materials Chemistry B*, **2017**, 5, 7297-7306	7.3	27
52	LaB6 surface chemistry-reinforced scaffolds for treating bone tumors and bone defects. *Applied Materials Today*, **2019**, 16, 42-55	6.6	26
51	Design of a Multifunctional Biomaterial Inspired by Ancient Chinese Medicine for Hair Regeneration in Burned Skin. *ACS Applied Materials & Interfaces*, **2020**, 12, 12489-12499	9.5	26
50	Black Bioceramics: Combining Regeneration with Therapy. *Advanced Materials*, **2020**, 32, e2005140	24	26
49	Three-Dimensional-Printed Bioceramic Scaffolds with Osteogenic Activity for Simultaneous Photo/Magnetothermal Therapy of Bone Tumors. *ACS Biomaterials Science and Engineering*, **2019**, 5, 6725-6734	5.5	23
48	Lithium release from Ɛtricalcium phosphate inducing cementogenic and osteogenic differentiation of both hPDLCs and hBMSCs. *Biomaterials Science*, **2014**, 2, 1230-1243	7.4	23
47	Design of a biofluid-absorbing bioactive sandwich-structured Zn-Si bioceramic composite wound dressing for hair follicle regeneration and skin burn wound healing. *Bioactive Materials*, **2021**, 6, 1910-1920	16.7	21

46	Stimulation of osteogenic and angiogenic ability of cells on polymers by pulsed laser deposition of uniform akermanite-glass nanolayer. *Acta Biomaterialia*, **2014**, 10, 3295-306	10.8	20
45	Mn-containing bioceramics inhibit osteoclastogenesis and promote osteoporotic bone regeneration via scavenging ROS. *Bioactive Materials*, **2021**, 6, 3839-3850	16.7	20
44	Co-inspired hydroxyapatite-based scaffolds for vascularized bone regeneration. *Acta Biomaterialia*, **2021**, 119, 419-431	10.8	19
43	3D printing of Mo-containing scaffolds with activated anabolic responses and bi-lineage bioactivities. *Theranostics*, **2018**, 8, 4372-4392	12.1	19
42	Assembly Preparation of Multilayered Biomaterials with High Mechanical Strength and Bone-Forming Bioactivity. *Chemistry of Materials*, **2018**, 30, 4646-4657	9.6	19
41	Nanosized mesoporous bioactive glass/poly(lactic-co-glycolic acid) composite-coated CaSiO3 scaffolds with multifunctional properties for bone tissue engineering. *BioMed Research International*, **2014**, 2014, 323046	3	17
40	3D Printing of Bioinspired Biomaterials for Tissue Regeneration. *Advanced Healthcare Materials*, **2020**, 9, e2000208	10.1	16
39	The effect of poly(lactic-co-glycolic acid) (PLGA) coating on the mechanical, biodegradable, bioactive properties and drug release of porous calcium silicate scaffolds. *Bio-Medical Materials and Engineering*, **2012**, 22, 289-300	1	16
38	Mesoporous bioactive glass for synergistic therapy of tumor and regeneration of bone tissue. *Applied Materials Today*, **2020**, 19, 100578	6.6	16
37	3D Printed Wesselsite Nanosheets Functionalized Scaffold Facilitates NIR-II Photothermal Therapy and Vascularized Bone Regeneration. *Advanced Science*, **2021**, 8, e2100894	13.6	16
36	Bioinspired Biomaterials with a Brick-and-Mortar Microstructure Combining Mechanical and Biological Performance. *Advanced Healthcare Materials*, **2020**, 9, e1901211	10.1	13
35	Biomaterial scaffolds in cartilage-subchondral bone defects influencing the repair of autologous articular cartilage transplants. *Journal of Biomaterials Applications*, **2013**, 27, 979-89	2.9	13
34	Preparation, Characterization, and In Vitro Bioactivity of Nagelschmidtite Bioceramics. *Journal of the American Ceramic Society*, **2013**, 96, 928-934	3.8	13
33	Tailorable Zinc-Substituted Mesoporous Bioactive Glass/Alginate-Methylcellulose Composite Bioinks. *Materials*, **2021**, 14,	3.5	11
32	Sprayable □FeSi composite hydrogel for portable skin tumor treatment and wound healing. *Biomaterials*, **2021**, 279, 121225	15.6	10
31	3D bioprinting of multicellular scaffolds for osteochondral regeneration. *Materials Today*, **2021**, 49, 68-68	21.8	10
30	MoS2 Nanoclusters-based biomaterials for disease- impaired wound therapy. *Applied Materials Today*, **2020**, 20, 100735	6.6	9
29	Nanosized concave pit/convex dot microarray for immunomodulatory osteogenesis and angiogenesis. *Nanoscale*, **2020**, 12, 16474-16488	7.7	9

28	3D Printing of Strontium Silicate Microcylinder-Containing Multicellular Biomaterial Inks for Vascularized Skin Regeneration. *Advanced Healthcare Materials*, **2021**, 10, e2100523	10.1	9
27	Manganese silicate nanospheres-incorporated hydrogels:starvation therapy and tissue regeneration. *Bioactive Materials*, **2021**, 6, 4558-4567	16.7	8
26	Microbially Catalyzed Biomaterials for Bone Regeneration. *Advanced Materials*, **2021**, 33, e2104829	24	7
25	Tuning microenvironment for multicellular spheroid formation in thermo-responsive anionic microgel scaffolds. *Journal of Biomedical Materials Research - Part A*, **2018**, 106, 2899-2909	5.4	7
24	3D Printing of Cell-Container-Like Scaffolds for Multicell Tissue Engineering. *Engineering*, **2020**, 6, 1276-1284	9.7	6
23	Porous nagelschmidtite bioceramic scaffolds with improved in vitro and in vivo cementogenesis for periodontal tissue engineering. *RSC Advances*, **2013**, 3, 17843	3.7	5
22	Manganese-Doped Calcium Silicate Nanowire Composite Hydrogels for Melanoma Treatment and Wound Healing. *Research*, **2021**, 2021, 9780943	7.8	5
21	An immunomodulatory bioink with hollow manganese silicate nanospheres for angiogenesis. *Applied Materials Today*, **2021**, 23, 101015	6.6	5
20	Three-Dimensional Printing of Scaffolds with Synergistic Effects of Micro-Nano Surfaces and Hollow Channels for Bone Regeneration. *ACS Biomaterials Science and Engineering*, **2021**, 7, 872-880	5.5	5
19	Bone cements for therapy and regeneration for minimally invasive treatment of neoplastic bone defects. *Journal of Materials Chemistry B*, **2021**, 9, 4355-4364	7.3	5
18	Bioactive inorganic particles-based biomaterials for skin tissue engineering. *Exploration*,20210083		5
17	An ultralong hydroxyapatite nanowire aerogel for rapid hemostasis and wound healing. *Chemical Engineering Journal*, **2022**, 430, 132912	14.7	4
16	3D-printed bioceramic scaffolds with FeSmicroflowers for magnetothermal and chemodynamic therapy of bone tumor and regeneration of bone defects. *Biofabrication*, **2021**, 13,	10.5	4
15	Spindle-like Zinc Silicate Nano-particles Accelerating Innervated and Vascularized Skin Burn Wound Healing.. *Advanced Healthcare Materials*, **2022**, e2102359	10.1	3
14	3D Printing and Characterization of Microsphere Hydroxyapatite Scaffolds. *Wuji Cailiao Xuebao/Journal of Inorganic Materials*, **2021**, 36, 601	1	2
13	3D Printing of Black Bioceramic Scaffolds with Micro/Nanostructure for Bone Tumor-Induced Tissue Therapy. *Advanced Healthcare Materials*, **2021**, 10, e2101181	10.1	2
12	Inorganic biomaterials-based bioinks for three-dimensional bioprinting of regenerative scaffolds. *View*,20210018	7.8	2
11	Cells-Micropatterning Biomaterials for Immune Activation and Bone Regeneration.. *Advanced Science*, **2022**, e2200670	13.6	2

10	Effects of bovine colostrum acid protein on bone loss and hemobiochemistry indexes in rats. *Dairy Science and Technology*, **2009**, 89, 449-461		1
9	Three-dimensional printing of bioceramic-induced macrophage exosomes: immunomodulation and osteogenesis/angiogenesis. *NPG Asia Materials*, **2021**, 13,	10.3	1
8	Recent Advances in Biomaterial Scaffolds for Integrative Tumor Therapy and Bone Regeneration. *Advanced Therapeutics*, **2021**, 4, 2000212	4.9	1
7	Well ordered-microstructure bioceramics. *Applied Materials Today*, **2021**, 25, 101194	6.6	1
6	3D printing of tree-like scaffolds for innervated bone regeneration. *Additive Manufacturing*, **2022**, 54, 102721	6.1	1
5	3D printing of pink bioceramic scaffolds for bone tumor tissue therapy. *Applied Materials Today*, **2022**, 27, 101443	6.6	1
4	Haversian bone-mimicking bioceramic scaffolds enhancing MSC-macrophage osteo-imunomodulation. *Progress in Natural Science: Materials International*, **2021**, 31, 883-883	3.6	0
3	Significantly decreased depolarization hydrostatic pressure of 3D-printed PZT95/5 ceramics with periodically distributed pores. *Journal of the American Ceramic Society*, **2022**, 105, 412	3.8	0
2	Bioceramic Scaffolds with Antioxidative Functions for ROS Scavenging and Osteochondral Regeneration.. *Advanced Science*, **2022**, e2105727	13.6	0
1	Bamboo-based Biomaterials for Cell Transportation and Bone Integration.. *Advanced Healthcare Materials*, **2022**, e2200287	10.1	0