

Sanzhong Xu

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

975
citations

430874

18
h-index

454955

30
g-index

38
all docs

38
docs citations

38
times ranked

1267
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrating pore architectures to evaluate vascularization efficacy in silicate-based bioceramic scaffolds. <i>International Journal of Energy Production and Management</i> , 2022, 9, rbab077.	3.7	12
2	Bone tissue regeneration: The role of finely tuned pore architecture of bioactive scaffolds before clinical translation. <i>Bioactive Materials</i> , 2021, 6, 1242-1254.	15.6	69
3	Rational design of bioceramic scaffolds with tuning pore geometry by stereolithography: Microstructure evaluation and mechanical evolution. <i>Journal of the European Ceramic Society</i> , 2021, 41, 1672-1682.	5.7	41
4	Rational design of nonstoichiometric bioceramic scaffolds via digital light processing: tuning chemical composition and pore geometry evaluation. <i>Journal of Biological Engineering</i> , 2021, 15, 1.	4.7	31
5	Direct ink writing core-shell Wollastonite@Diopside scaffolds with tailorable shell micropores favorable for optimizing physicochemical and biodegradation properties. <i>Journal of the European Ceramic Society</i> , 2020, 40, 503-512.	5.7	15
6	Effect of Foreign Ion Substitution and Micropore Tuning in Robocasting Single-Phase Bioceramic Scaffolds on the Physicochemical Property and Vascularization. <i>ACS Applied Bio Materials</i> , 2020, 3, 292-301.	4.6	3
7	Hypoxia inducible factor-1 (HIF-1 α) reduced inflammation in spinal cord injury via miR-380-3p/ NLRP3 by Circ 0001723. <i>Biological Research</i> , 2020, 53, 35.	3.4	33
8	Seasonal variation and correlation analysis of vitamin D and parathyroid hormone in Hangzhou, Southeast China. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 7370-7377.	3.6	19
9	Modification of pore wall in direct ink writing wollastonite scaffolds favorable for tuning biodegradation and mechanical stability and enhancing osteogenic capability. <i>FASEB Journal</i> , 2020, 34, 5673-5687.	0.5	7
10	Core-Shell Biphasic Microspheres with Tunable Density of Shell Micropores Providing Tailorable Bone Regeneration. <i>Tissue Engineering - Part A</i> , 2019, 25, 588-602.	3.1	11
11	Acamprosate Protects Against Adjuvant-Induced Arthritis in Rats via Blocking the ERK/MAPK and NF- κ B Signaling Pathway. <i>Inflammation</i> , 2018, 41, 1194-1199.	3.8	7
12	Regeneration of the Osteochondral Defect by a Wollastonite and Macroporous Fibrin Biphasic Scaffold. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 1942-1953.	5.2	34
13	Low-melt bioactive glass-reinforced 3D printing akermanite porous cages with highly improved mechanical properties for lumbar spinal fusion. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 1149-1162.	2.7	11
14	Knockdown of miR-372 Inhibits Nerve Cell Apoptosis Induced by Spinal Cord Ischemia/Reperfusion Injury via Enhancing Autophagy by Up-regulating Beclin-1. <i>Journal of Molecular Neuroscience</i> , 2018, 66, 437-444.	2.3	26
15	Nonstoichiometric wollastonite bioceramic scaffolds with core-shell pore struts and adjustable mechanical and biodegradable properties. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 88, 140-149.	3.1	18
16	Injection of synthetic mesenchymal stem cell mitigates osteoporosis in rats after ovariectomy. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 3751-3757.	3.6	10
17	Intra-bone marrow injection of trace elements co-doped calcium phosphate microparticles for the treatment of osteoporotic rat. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 1422-1432.	4.0	10
18	Systematic evaluation of the osteogenic capacity of low-melting bioactive glass-reinforced 45S5 Bioglass porous scaffolds in rabbit femoral defects. <i>Biomedical Materials (Bristol)</i> , 2017, 12, 035010.	3.3	7

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19	Bone regeneration in 3D printing bioactive ceramic scaffolds with improved tissue/material interface pore architecture in thin-wall bone defect. <i>Biofabrication</i> , 2017, 9, 025003.	7.1	141
20	3D robocasting magnesium-doped wollastonite/TCP bioceramic scaffolds with improved bone regeneration capacity in critical sized calvarial defects. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2941-2951.	5.8	58
21	Core-shell-structured nonstoichiometric bioceramic spheres for improving osteogenic capability. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8944-8956.	5.8	10
22	Enhancing the Osteogenic Capability of Core-Shell Bilayered Bioceramic Microspheres with Adjustable Biodegradation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 24497-24510.	8.0	27
23	MiR-136 controls neurocytes apoptosis by regulating Tissue Inhibitor of Metalloproteinases-3 in spinal cord ischemic injury. <i>Biomedicine and Pharmacotherapy</i> , 2017, 94, 47-54.	5.6	22
24	The outstanding mechanical response and bone regeneration capacity of robocast dilute magnesium-doped wollastonite scaffolds in critical size bone defects. <i>Journal of Materials Chemistry B</i> , 2016, 4, 3945-3958.	5.8	47
25	Rational Design and Fabrication of Porous Calcium-Magnesium Silicate Constructs That Enhance Angiogenesis and Improve Orbital Implantation. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 1519-1527.	5.2	21
26	3D printing of Mg-substituted wollastonite reinforcing diopside porous bioceramics with enhanced mechanical and biological performances. <i>Bioactive Materials</i> , 2016, 1, 85-92.	15.6	28
27	Preparation and <i>In Vitro</i> Biological Evaluation of Octacalcium Phosphate/Bioactive Glass-Chitosan/Alginate Composite Membranes Potential for Bone Guided Regeneration. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 5577-5585.	0.9	7
28	3D printing magnesium-doped wollastonite/ β -TCP bioceramics scaffolds with high strength and adjustable degradation. <i>Journal of the European Ceramic Society</i> , 2016, 36, 1495-1503.	5.7	90
29	Design and evaluation of multifunctional antibacterial ion-doped β -dicalcium silicate cements favorable for root canal sealing. <i>RSC Advances</i> , 2016, 6, 19707-19715.	3.6	9
30	45S5 Bioglass analogue reinforced akermanite ceramic favorable for additive manufacturing mechanically strong scaffolds. <i>RSC Advances</i> , 2015, 5, 102727-102735.	3.6	21
31	Comparison of the Therapeutic Efficacy of Surgery with or without Adjuvant Radiotherapy versus Radiotherapy Alone for Metastatic Spinal Cord Compression: A Meta-Analysis. <i>World Neurosurgery</i> , 2015, 83, 1066-1073.	1.3	16
32	Effect of borosilicate glass on the mechanical and biodegradation properties of 45S5-derived bioactive glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2014, 405, 91-99.	3.1	22
33	Rational design and fabrication of a β -dicalcium silicate-based multifunctional cement with potential for root canal filling treatment. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3830-3838.	5.8	12
34	Results of operative treatment of avulsion fractures of the iliac crest apophysis in adolescents. <i>Injury</i> , 2014, 45, 721-724.	1.7	28
35	Preparation and <i>in vitro</i> evaluation of strontium-doped calcium silicate/gypsum bioactive bone cement. <i>Biomedical Materials (Bristol)</i> , 2014, 9, 045002.	3.3	16
36	Peroxisome proliferator-activated receptor- β agonist rosiglitazone reduces secondary damage in experimental spinal cord injury. <i>Journal of International Medical Research</i> , 2013, 41, 153-161.	1.0	14

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37	Hybrid calcium phosphate coatings with the addition of trace elements and polyaspartic acid by a low-thermal process. <i>Biomedical Materials (Bristol)</i> , 2011, 6, 035002.	3.3	10
38	A facile pollutant-free approach toward a series of nutritionally effective calcium phosphate nanomaterials for food and drink additives. <i>Journal of Nanoparticle Research</i> , 2011, 13, 1039-1048.	1.9	12