

Brandon T Smith

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

972
citations

471509

17
h-index

677142

22
g-index

22
all docs

22
docs citations

22
times ranked

1566
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of tissue integration of injectable, cell-laden hydrogels of cocultures of mesenchymal stem cells and articular chondrocytes with an ex vivo cartilage explant model. <i>Biotechnology and Bioengineering</i> , 2021, 118, 2958-2966.	3.3	10
2	Bilayered, peptide-biofunctionalized hydrogels for in vivo osteochondral tissue repair. <i>Acta Biomaterialia</i> , 2021, 128, 120-129.	8.3	21
3	Multimaterial Dual Gradient Three-Dimensional Printing for Osteogenic Differentiation and Spatial Segregation. <i>Tissue Engineering - Part A</i> , 2020, 26, 239-252.	3.1	23
4	Click functionalized, tissue-specific hydrogels for osteochondral tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 684-693.	4.0	20
5	Aminated 3D Printed Polystyrene Maintains Stem Cell Proliferation and Osteogenic Differentiation. <i>Tissue Engineering - Part C: Methods</i> , 2020, 26, 118-131.	2.1	6
6	Fast dissolving glucose porogens for early calcium phosphate cement degradation and bone regeneration. <i>Biomedical Materials (Bristol)</i> , 2020, 15, 025002.	3.3	12
7	Chondrogenesis of cocultures of mesenchymal stem cells and articular chondrocytes in poly(L-lysine)-loaded hydrogels. <i>Journal of Controlled Release</i> , 2020, 328, 710-721.	9.9	12
8	Localized mandibular infection affects remote in vivo bioreactor bone generation. <i>Biomaterials</i> , 2020, 256, 120185.	11.4	12
9	Biomaterials-aided mandibular reconstruction using in vivo bioreactors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6954-6963.	7.1	49
10	Fabrication and mechanical characterization of 3D printed vertical uniform and gradient scaffolds for bone and osteochondral tissue engineering. <i>Acta Biomaterialia</i> , 2019, 90, 37-48.	8.3	172
11	Multimodal porogen platforms for calcium phosphate cement degradation. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 1713-1722.	4.0	18
12	Multimaterial Segmented Fiber Printing for Gradient Tissue Engineering. <i>Tissue Engineering - Part C: Methods</i> , 2019, 25, 12-24.	2.1	29
13	Effects of Shear Stress Gradients on Ewing Sarcoma Cells Using 3D Printed Scaffolds and Flow Perfusion. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 347-356.	5.2	30
14	Multimodal pore formation in calcium phosphate cements. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 500-509.	4.0	20
15	Incorporation of fast dissolving glucose porogens and poly(lactic-co-glycolic acid) microparticles within calcium phosphate cements for bone tissue regeneration. <i>Acta Biomaterialia</i> , 2018, 78, 341-350.	8.3	28
16	Extrusion-based 3D printing of poly(propylene fumarate) scaffolds with hydroxyapatite gradients. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017, 28, 532-554.	3.5	101
17	3D printing for the design and fabrication of polymer-based gradient scaffolds. <i>Acta Biomaterialia</i> , 2017, 56, 3-13.	8.3	181
18	Effects of Local Antibiotic Delivery from Porous Space Maintainers on Infection Clearance and Induction of an Osteogenic Membrane in an Infected Bone Defect. <i>Tissue Engineering - Part A</i> , 2017, 23, 91-100.	3.1	37

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19	Incorporation of fast dissolving glucose porogens into an injectable calcium phosphate cement for bone tissue engineering. <i>Acta Biomaterialia</i> , 2017, 50, 68-77.	8.3	37
20	Extrusion-Based 3D Printing of Poly(propylene fumarate) in a Full-Factorial Design. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 1771-1780.	5.2	85
21	Bone Tissue Engineering Challenges in Oral & Maxillofacial Surgery. <i>Advances in Experimental Medicine and Biology</i> , 2015, 881, 57-78.	1.6	30
22	Immunomodulatory properties of stem cells and bioactive molecules for tissue engineering. <i>Journal of Controlled Release</i> , 2015, 219, 107-118.	9.9	39