

Daniel T Bowers

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

663
citations

840119

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887659

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18
docs citations

18
times ranked

1025
citing authors

#	ARTICLE	IF	CITATIONS
1	A Safe, Fibrosis-Mitigating, and Scalable Encapsulation Device Supports Long-Term Function of Insulin-Producing Cells. <i>Small</i> , 2022, 18, e2104899.	5.2	17
2	A nanofibrous encapsulation device for safe delivery of insulin-producing cells to treat type 1 diabetes. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	68
3	Functional hydrogels for diabetic wound management. <i>APL Bioengineering</i> , 2021, 5, 031503.	3.3	50
4	Nanofiber curvature with Rho GTPase activity increases mouse embryonic fibroblast random migration velocity. <i>Integrative Biology (United Kingdom)</i> , 2021, 13, 295-308.	0.6	3
5	Biomaterial Applications in Islet Encapsulation and Transplantation. <i>ACS Applied Bio Materials</i> , 2020, 3, 8127-8135.	2.3	5
6	Nanofibers as Bioinstructive Scaffolds Capable of Modulating Differentiation Through Mechanosensitive Pathways for Regenerative Engineering. <i>Regenerative Engineering and Translational Medicine</i> , 2019, 5, 22-29.	1.6	10
7	Engineering transferrable microvascular meshes for subcutaneous islet transplantation. <i>Nature Communications</i> , 2019, 10, 4602.	5.8	63
8	Nanotechnology in cell replacement therapies for type 1 diabetes. <i>Advanced Drug Delivery Reviews</i> , 2019, 139, 116-138.	6.6	56
9	Identification of Key Signaling Pathways Orchestrating Substrate Topography Directed Osteogenic Differentiation Through High-Throughput siRNA Screening. <i>Scientific Reports</i> , 2019, 9, 1001.	1.6	11
10	Engineering the vasculature for islet transplantation. <i>Acta Biomaterialia</i> , 2019, 95, 131-151.	4.1	65
11	Mesenchymal Stem Cell Deformability and Implications for Microvascular Sequestration. <i>Annals of Biomedical Engineering</i> , 2018, 46, 640-654.	1.3	14
12	An engineered macroencapsulation membrane releasing FTY720 to precondition pancreatic islet transplantation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 555-568.	1.6	28
13	Advances in Local Drug Release and Scaffolding Design to Enhance Cell Therapy for Diabetes. <i>Tissue Engineering - Part B: Reviews</i> , 2015, 21, 491-503.	2.5	10
14	Spatiotemporal Oxygen Sensing Using Dual Emissive Boron Dye-Polylactide Nanofibers. <i>ACS Nano</i> , 2014, 8, 12080-12091.	7.3	43
15	The promotion of mandibular defect healing by the targeting of S1P receptors and the recruitment of alternatively activated macrophages. <i>Biomaterials</i> , 2013, 34, 9853-9862.	5.7	80
16	Multilayer Cell-Seeded Polymer Nanofiber Constructs for Soft-Tissue Reconstruction. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2013, 139, 914.	1.2	7
17	Sphingosine 1-phosphate receptor 3 regulates recruitment of anti-inflammatory monocytes to microvessels during implant arteriogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13785-13790.	3.3	133