Daniel T Bowers

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7276208/publications.pdf

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17	663	840119 11	887659 17
papers	citations	h-index	g-index

18	18	18	1025
all docs	docs citations	times ranked	citing authors

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