

Kai Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/593406/publications.pdf>

Version: 2024-02-01

20
papers

1,171
citations

623188

14
h-index

752256

20
g-index

21
all docs

21
docs citations

21
times ranked

2155
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 comprehensive library of human transcription factors for cell fate engineering. <i>Nature Biotechnology</i> , 2021, 39, 510-519.	9.4	110
3	Human endothelial colony-forming cells provide trophic support for pluripotent stem cell-derived cardiomyocytes via distinctively high expression of neuregulin-1. <i>Angiogenesis</i> , 2021, 24, 327-344.	3.7	10
4	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
5	Local Immunomodulatory Strategies to Prevent Allo-Rejection in Transplantation of Insulin-Producing Cells. <i>Advanced Science</i> , 2021, 8, e2003708.	5.6	25
6	A Zwitterionic Polyurethane Nanoporous Device with Low Foreign-Body Response for Islet Encapsulation. <i>Advanced Materials</i> , 2021, 33, e2102852.	11.1	29
7	Non-Viral Gene Delivery Systems for Treatment of Myocardial Infarction: Targeting Strategies and Cardiac Cell Modulation. <i>Pharmaceutics</i> , 2021, 13, 1520.	2.0	4
8	Robust differentiation of human pluripotent stem cells into endothelial cells via temporal modulation of ETV2 with modified mRNA. <i>Science Advances</i> , 2020, 6, eaba7606.	4.7	62
9	Bioengineering hemophilia A-specific microvascular grafts for delivery of full-length factor VIII into the bloodstream. <i>Blood Advances</i> , 2019, 3, 4166-4176.	2.5	15
10	Bioengineering human vascular networks: trends and directions in endothelial and perivascular cell sources. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 421-439.	2.4	43
11	A bilaminated decellularized scaffold for islet transplantation: Structure, properties and functions in diabetic mice. <i>Biomaterials</i> , 2017, 138, 80-90.	5.7	46
12	Scaffold-supported Transplantation of Islets in the Epididymal Fat Pad of Diabetic Mice. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	10
13	Fibrous scaffolds potentiate the paracrine function of mesenchymal stem cells: A new dimension in cell-material interaction. <i>Biomaterials</i> , 2017, 141, 74-85.	5.7	189
14	From Micro to Macro: The Hierarchical Design in a Micropatterned Scaffold for Cell Assembling and Transplantation. <i>Advanced Materials</i> , 2017, 29, 1604600.	11.1	41
15	Polymerization of Hydrogel Network on Microfiber Surface: Synthesis of Hybrid Water-Absorbing Matrices for Biomedical Applications. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 887-892.	2.6	18
16	Overcoming foreign-body reaction through nanotopography: Biocompatibility and immunoisolation properties of a nanofibrous membrane. <i>Biomaterials</i> , 2016, 102, 249-258.	5.7	57
17	The paracrine effects of adipose-derived stem cells on neovascularization and biocompatibility of a macroencapsulation device. <i>Acta Biomaterialia</i> , 2015, 15, 65-76.	4.1	39
18	Investigating design principles of micropatterned encapsulation systems containing high-density microtissue arrays. <i>Science China Life Sciences</i> , 2014, 57, 221-231.	2.3	3

#	ARTICLE	IF	CITATIONS
19	The effect of thick fibers and large pores of electrospun poly(ϵ -caprolactone) vascular grafts on macrophage polarization and arterial regeneration. <i>Biomaterials</i> , 2014, 35, 5700-5710.	5.7	361
20	Defined Surface Immobilization of Glycosaminoglycan Molecules for Probing and Modulation of Cellâ€™Material Interactions. <i>Biomacromolecules</i> , 2013, 14, 2373-2382.	2.6	23