

Dilip Thomas

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

730
citations

516215

16
h-index

552369

26
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31
all docs

31
docs citations

31
times ranked

1274
citing authors

#	ARTICLE	IF	CITATIONS
1	A shape-controlled tuneable microgel platform to modulate angiogenic paracrine responses in stem cells. <i>Biomaterials</i> , 2014, 35, 8757-8766.	5.7	79
2	Stimulation of 3D osteogenesis by mesenchymal stem cells using a nanovibrational bioreactor. <i>Nature Biomedical Engineering</i> , 2017, 1, 758-770.	11.6	77
3	Pathogenic LMNA variants disrupt cardiac lamina-chromatin interactions and de-repress alternative fate genes. <i>Cell Stem Cell</i> , 2021, 28, 938-954.e9.	5.2	61
4	An injectable elastin-based gene delivery platform for dose-dependent modulation of angiogenesis and inflammation for critical limb ischemia. <i>Biomaterials</i> , 2015, 65, 126-139.	5.7	53
5	Toward Customized Extracellular Niche Engineering: Progress in Cellâ€™Entrapment Technologies. <i>Advanced Materials</i> , 2018, 30, 1703948.	11.1	51
6	Temporal changes guided by mesenchymal stem cells on a 3D microgel platform enhance angiogenesis in vivo at a low-cell dose. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 19033-19044.	3.3	45
7	Microgel Microenvironment Primes Adiposeâ€™Derived Stem Cells Towards an NP Cellsâ€™Like Phenotype. <i>Advanced Healthcare Materials</i> , 2014, 3, 2012-2022.	3.9	41
8	Cannabinoid receptor 1 antagonist genistein attenuates marijuana-induced vascular inflammation. <i>Cell</i> , 2022, 185, 1676-1693.e23.	13.5	40
9	Scaffold and scaffoldâ€™free selfâ€™assembled systems in regenerative medicine. <i>Biotechnology and Bioengineering</i> , 2016, 113, 1155-1163.	1.7	34
10	Co-transfection of decorin and interleukin-10 modulates pro-fibrotic extracellular matrix gene expression in human tenocyte culture. <i>Scientific Reports</i> , 2016, 6, 20922.	1.6	30
11	Modeling Secondary Iron Overload Cardiomyopathy with Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. <i>Cell Reports</i> , 2020, 32, 107886.	2.9	27
12	Human-induced pluripotent stem cells in cardiovascular research: current approaches in cardiac differentiation, maturation strategies, and scalable production. <i>Cardiovascular Research</i> , 2022, 118, 20-36.	1.8	27
13	Cellular and Engineered Organoids for Cardiovascular Models. <i>Circulation Research</i> , 2022, 130, 1780-1802.	2.0	27
14	The Functional Response of Mesenchymal Stem Cells to Electronâ€™Beam Patterned Elastomeric Surfaces Presenting Micrometer to Nanoscale Heterogeneous Rigidity. <i>Advanced Materials</i> , 2017, 29, 1702119.	11.1	23
15	Building Multi-Dimensional Induced Pluripotent Stem Cells-Based Model Platforms to Assess Cardiotoxicity in Cancer Therapies. <i>Frontiers in Pharmacology</i> , 2021, 12, 607364.	1.6	20
16	Variability in Endogenous Perfusion Recovery of Immunocompromised Mouse Models of Limb Ischemia. <i>Tissue Engineering - Part C: Methods</i> , 2016, 22, 370-381.	1.1	19
17	Three-Dimensional Microgel Platform for the Production of Cell Factories Tailored for the Nucleus Pulposus. <i>Bioconjugate Chemistry</i> , 2015, 26, 1297-1306.	1.8	15
18	Elastin-like hydrogel stimulates angiogenesis in a severe model of critical limb ischemia (CLI): An insight into the glyco-host response. <i>Biomaterials</i> , 2021, 269, 120641.	5.7	14

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19	Allogeneic Mesenchymal Stromal Cells (MSCs) are of Comparable Efficacy to Syngeneic MSCs for Therapeutic Revascularization in C57BKSdb/db Mice Despite the Induction of Alloantibody. <i>Cell Transplantation</i> , 2018, 27, 1210-1221.	1.2	10
20	Fabrication of 3D Cardiac Microtissue Arrays using Human iPSC-Derived Cardiomyocytes, Cardiac Fibroblasts, and Endothelial Cells. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	8
21	Method for selective ablation of undifferentiated human pluripotent stem cell populations for cell-based therapies. <i>JCI Insight</i> , 2021, 6, .	2.3	8
22	Modeling Effects of Immunosuppressive Drugs on Human Hearts Using Induced Pluripotent Stem Cell-Derived Cardiac Organoids and Single-Cell RNA Sequencing. <i>Circulation</i> , 2022, 145, 1367-1369.	1.6	6
23	Trachea and Larynx in Regenerative Medicine. , 2013, , 353-379.		4
24	Generation of Human iPSCs by Protein Reprogramming and Stimulation of TLR3 Signaling. <i>Methods in Molecular Biology</i> , 2021, 2239, 153-162.	0.4	4
25	A protocol for transdifferentiation of human cardiac fibroblasts into endothelial cells via activation of innate immunity. <i>STAR Protocols</i> , 2021, 2, 100556.	0.5	2
26	An evidence appraisal of heart organoids in a dish and commensurability to human heart development in vivo. <i>BMC Cardiovascular Disorders</i> , 2022, 22, 122.	0.7	2
27	Tissue Engineering: Toward Customized Extracellular Niche Engineering: Progress in Cell-Entrapment Technologies (<i>Adv. Mater.</i> 1/2018). <i>Advanced Materials</i> , 2018, 30, 1870006.	11.1	1
28	Cell Carriers for Bone and Cartilage Repair In Vivo. , 2018, , 139-172.		1
29	Abstract 402: Adiponectin Receptor 3 is Associated With Endothelial Nitric Oxide Synthase Dysfunction and Predicts Insulin Resistance in South Asians. <i>Circulation Research</i> , 2019, 125, .	2.0	0