

Dana M Cairns

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31
papers

677
citations

15
h-index

25
g-index

37
ext. papers

920
ext. citations

7.2
avg, IF

4.26
L-index

#	Paper	IF	Citations
31	A 3D human brain-like tissue model of herpes-induced Alzheimer's disease. <i>Science Advances</i> , 2020 , 6, eaay8828	14.3	90
30	Silk as a Biomaterial to Support Long-Term Three-Dimensional Tissue Cultures. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 21861-8	9.5	69
29	Expandable and Rapidly Differentiating Human Induced Neural Stem Cell Lines for Multiple Tissue Engineering Applications. <i>Stem Cell Reports</i> , 2016 , 7, 557-570	8	49
28	A gradient of Shh establishes mutually repressing somitic cell fates induced by Nkx3.2 and Pax3. <i>Developmental Biology</i> , 2008 , 323, 152-65	3.1	38
27	3D biomaterial matrix to support long term, full thickness, immuno-competent human skin equivalents with nervous system components. <i>Biomaterials</i> , 2019 , 198, 194-203	15.6	36
26	Interplay of Nkx3.2, Sox9 and Pax3 regulates chondrogenic differentiation of muscle progenitor cells. <i>PLoS ONE</i> , 2012 , 7, e39642	3.7	35
25	The influence of scaffold material on chondrocytes under inflammatory conditions. <i>Acta Biomaterialia</i> , 2013 , 9, 6563-75	10.8	34
24	Somitic disruption of GNAS in chick embryos mimics progressive osseous heteroplasia. <i>Journal of Clinical Investigation</i> , 2013 , 123, 3624-33	15.9	31
23	Bioinspired Three-Dimensional Human Neuromuscular Junction Development in Suspended Hydrogel Arrays. <i>Tissue Engineering - Part C: Methods</i> , 2018 , 24, 346-359	2.9	29
22	The role of muscle cells in regulating cartilage matrix production. <i>Journal of Orthopaedic Research</i> , 2010 , 28, 529-36	3.8	28
21	Multifunctional Bioreactor System for Human Intestine Tissues. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 231-239	5.5	26
20	Niclosamide rescues microcephaly in a humanized model of Zika infection using human induced neural stem cells. <i>Biology Open</i> , 2018 , 7,	2.2	24
19	Functional maturation of human neural stem cells in a 3D bioengineered brain model enriched with fetal brain-derived matrix. <i>Scientific Reports</i> , 2019 , 9, 17874	4.9	24
18	Corneal pain and experimental model development. <i>Progress in Retinal and Eye Research</i> , 2019 , 71, 88-113	13.5	20
17	Functionalized 3D-printed silk-hydroxyapatite scaffolds for enhanced bone regeneration with innervation and vascularization. <i>Biomaterials</i> , 2021 , 276, 120995	15.6	17
16	Smart Material Hydrogel Transfer Devices Fabricated with Stimuli-Responsive Silk-Elastin-Like Proteins. <i>Advanced Healthcare Materials</i> , 2020 , 9, e2000266	10.1	15
15	Muscle cells enhance resistance to pro-inflammatory cytokine-induced cartilage destruction. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 392, 22-8	3.4	15

14	Photo-cross-linkable, insulating silk fibroin for bioelectronics with enhanced cell affinity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 15482-15489	11.5	14
13	Human Corneal Tissue Model for Nociceptive Assessments. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800488	10.4	14
12	Bi-layered Tubular Microfiber Scaffolds as Functional Templates for Engineering Human Intestinal Smooth Muscle Tissue. <i>Advanced Functional Materials</i> , 2020 , 30, 2000543	15.6	12
11	Human Skin Equivalents Demonstrate Need for Neuro-Immuno-Cutaneous System. <i>Advanced Biology</i> , 2019 , 3, e1800283	3.5	10
10	Modeling Diabetic Corneal Neuropathy in a 3D In Vitro Cornea System. <i>Scientific Reports</i> , 2018 , 8, 17294	4.9	10
9	Scaffold structure and fabrication method affect proinflammatory milieu in three-dimensional-cultured chondrocytes. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 534-44	5.4	8
8	Bioengineered in vitro enteric nervous system. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019 , 13, 1712-1723	4.4	8
7	Ivermectin Promotes Peripheral Nerve Regeneration during Wound Healing. <i>ACS Omega</i> , 2018 , 3, 12392	3.1	4026
6	Hyperosmolar potassium inhibits myofibroblast conversion and reduces scar tissue formation. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 5327-5336	5.5	5
5	Assembly and Application of a Three-Dimensional Human Corneal Tissue Model. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , 2019 , 81, e84	1	4
4	Efficacy of Niclosamide vs Placebo in SARS-CoV-2 Respiratory Viral Clearance, Viral Shedding, and Duration of Symptoms Among Patients With Mild to Moderate COVID-19: A Phase 2 Randomized Clinical Trial.. <i>JAMA Network Open</i> , 2022 , 5, e2144942	10.4	3
3	Functional maturation of human neural stem cells in a 3D bioengineered brain model enriched with fetal brain-derived matrix		1
2	Induction of Irritation and Inflammation in a 3D Innervated Tissue Model of the Human Cornea. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 6886-6895	5.5	0
1	Learning and synaptic plasticity in 3D bioengineered neural tissues. <i>Neuroscience Letters</i> , 2021 , 750, 135739	3.9	0