Dana M Cairns

List of Publications by Year in Descending Order

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	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.. *JAMA Network Open*, **2022**, 5, e2144942	10.4	3
30	Learning and synaptic plasticity in 3D bioengineered neural tissues. *Neuroscience Letters*, **2021**, 750, 135799	3.3	0
29	Functionalized 3D-printed silk-hydroxyapatite scaffolds for enhanced bone regeneration with innervation and vascularization. *Biomaterials*, **2021**, 276, 120995	15.6	17
28	A 3D human brain-like tissue model of herpes-induced Alzheimer's disease. *Science Advances*, **2020**, 6, eaay8828	14.3	90
27	Photo-cross-linkable, insulating silk fibroin for bioelectronics with enhanced cell affinity. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 15482-15489	11.5	14
26	Bi-layered Tubular Microfiber Scaffolds as Functional Templates for Engineering Human Intestinal Smooth Muscle Tissue. *Advanced Functional Materials*, **2020**, 30, 2000543	15.6	12
25	Smart Material Hydrogel Transfer Devices Fabricated with Stimuli-Responsive Silk-Elastin-Like Proteins. *Advanced Healthcare Materials*, **2020**, 9, e2000266	10.1	15
24	Induction of Irritation and Inflammation in a 3D Innervated Tissue Model of the Human Cornea. *ACS Biomaterials Science and Engineering*, **2020**, 6, 6886-6895	5.5	0
23	Assembly and Application of a Three-Dimensional Human Corneal Tissue Model. *Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]*, **2019**, 81, e84	1	4
22	Bioengineered in vitro enteric nervous system. *Journal of Tissue Engineering and Regenerative Medicine*, **2019**, 13, 1712-1723	4.4	8
21	Hyperosmolar potassium inhibits myofibroblast conversion and reduces scar tissue formation. *ACS Biomaterials Science and Engineering*, **2019**, 5, 5327-5336	5.5	5
20	Functional maturation of human neural stem cells in a 3D bioengineered brain model enriched with fetal brain-derived matrix. *Scientific Reports*, **2019**, 9, 17874	4.9	24
19	Human Skin Equivalents Demonstrate Need for Neuro-Immuno-Cutaneous System. *Advanced Biology*, **2019**, 3, e1800283	3.5	10
18	Corneal pain and experimental model development. *Progress in Retinal and Eye Research*, **2019**, 71, 88-113	20.5	20
17	3D biomaterial matrix to support long term, full thickness, immuno-competent human skin equivalents with nervous system components. *Biomaterials*, **2019**, 198, 194-203	15.6	36
16	Niclosamide rescues microcephaly in a humanized model of Zika infection using human induced neural stem cells. *Biology Open*, **2018**, 7,	2.2	24
15	Bioinspired Three-Dimensional Human Neuromuscular Junction Development in Suspended Hydrogel Arrays. *Tissue Engineering - Part C: Methods*, **2018**, 24, 346-359	2.9	29

List of Publications

14	Human Corneal Tissue Model for Nociceptive Assessments. *Advanced Healthcare Materials*, **2018**, 7, e1800488	10.8	14
13	Multifunctional Bioreactor System for Human Intestine Tissues. *ACS Biomaterials Science and Engineering*, **2018**, 4, 231-239	5.5	26
12	Modeling Diabetic Corneal Neuropathy in a 3D In Vitro Cornea System. *Scientific Reports*, **2018**, 8, 17294	4.9	10
11	Ivermectin Promotes Peripheral Nerve Regeneration during Wound Healing. *ACS Omega*, **2018**, 3, 12392-12402	3.7	6
10	Expandable and Rapidly Differentiating Human Induced Neural Stem Cell Lines for Multiple Tissue Engineering Applications. *Stem Cell Reports*, **2016**, 7, 557-570	8	49
9	Silk as a Biomaterial to Support Long-Term Three-Dimensional Tissue Cultures. *ACS Applied Materials & Interfaces*, **2016**, 8, 21861-8	9.5	69
8	Scaffold structure and fabrication method affect proinflammatory milieu in three-dimensional-cultured chondrocytes. *Journal of Biomedical Materials Research - Part A*, **2015**, 103, 534-44	5.4	8
7	The influence of scaffold material on chondrocytes under inflammatory conditions. *Acta Biomaterialia*, **2013**, 9, 6563-75	10.8	34
6	Somitic disruption of GNAS in chick embryos mimics progressive osseous heteroplasia. *Journal of Clinical Investigation*, **2013**, 123, 3624-33	15.9	31
5	Interplay of Nkx3.2, Sox9 and Pax3 regulates chondrogenic differentiation of muscle progenitor cells. *PLoS ONE*, **2012**, 7, e39642	3.7	35
4	Muscle cells enhance resistance to pro-inflammatory cytokine-induced cartilage destruction. *Biochemical and Biophysical Research Communications*, **2010**, 392, 22-8	3.4	15
3	The role of muscle cells in regulating cartilage matrix production. *Journal of Orthopaedic Research*, **2010**, 28, 529-36	3.8	28
2	A gradient of Shh establishes mutually repressing somitic cell fates induced by Nkx3.2 and Pax3. *Developmental Biology*, **2008**, 323, 152-65	3.1	38
1	Functional maturation of human neural stem cells in a 3D bioengineered brain model enriched with fetal brain-derived matrix		1