Daniel J Shiwarski

List of Publications by Year
in descending order

29	2,741	393982 19	500791 28
papers	citations	h-index	g-index

35	35	35	3830
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	3D bioprinting of collagen to rebuild components of the human heart. Science, 2019, 365, 482-487.	6.0	1,116
2	TMEM16A Induces MAPK and Contributes Directly to Tumorigenesis and Cancer Progression. Cancer Research, 2012, 72, 3270-3281.	0.4	252
3	DOG1: a novel marker of salivary acinar and intercalated duct differentiation. Modern Pathology, 2012, 25, 919-929.	2.9	203
4	FRESH 3D Bioprinting a Full-Size Model of the Human Heart. ACS Biomaterials Science and Engineering, 2020, 6, 6453-6459.	2.6	163
5	Organ-on-e-chip: Three-dimensional self-rolled biosensor array for electrical interrogations of human electrogenic spheroids. Science Advances, 2019, 5, eaax0729.	4.7	132
6	Emergence of FRESH 3D printing as a platform for advanced tissue biofabrication. APL Bioengineering, 2021, 5, 010904.	3.3	115
7	To â€œGrowâ€•or â€œGoâ€• TMEM16A Expression as a Switch between Tumor Growth and Metastasis in SCCHN. Clinical Cancer Research, 2014, 20, 4673-4688.	3.2	86
8	Distinct G proteinâ€“coupled receptor recycling pathways allow spatial control of downstream G protein signaling. Journal of Cell Biology, 2016, 214, 797-806.	2.3	66
9	Engineering Aligned Skeletal Muscle Tissue Using Decellularized Plant-Derived Scaffolds. ACS Biomaterials Science and Engineering, 2020, 6, 3046-3054.	2.6	58
10	3D Bioprinting using UNIversal Orthogonal Network (UNION) Bioinks. Advanced Functional Materials, 2021, 31, 2007983.	7.8	55
11	Potassium-regulated distal tubule WNK bodies are kidney-specific WNK1 dependent. Molecular Biology of the Cell, 2018, 29, 499-509.	0.9	54
12	Dynamic loading of human engineered heart tissue enhances contractile function and drives a desmosome-linked disease phenotype. Science Translational Medicine, 2021, 13, .	5.8	48
13	TMEM16A/ANO1 Inhibits Apoptosis Via Downregulation of Bim Expression. Clinical Cancer Research, 2017, 23, 7324-7332.	3.2	45
14	PI3K class II Î± regulates Î´-opioid receptor export from thetrans-Golgi network. Molecular Biology of the Cell, 2017, 28, 2202-2219.	0.9	40
15	A high performance open-source syringe extruder optimized for extrusion and retraction during FRESH 3D bioprinting. HardwareX, 2021, 9, e00170.	1.1	36
16	A PTEN-Regulated Checkpoint Controls Surface Delivery of Î´ Opioid Receptors. Journal of Neuroscience, 2017, 37, 3741-3752.	1.7	35
17	Graphene Microelectrode Arrays for Electrical and Optical Measurements of Human Stem Cell-Derived Cardiomyocytes. Cellular and Molecular Bioengineering, 2018, 11, 407-418.	1.0	35
18	Cell-Autonomous Regulation of Mu-Opioid Receptor Recycling by Substance P. Cell Reports, 2015, 10, 1925-1936.	2.9	30

#	Article	IF	Citations
19	Dual RXR motifs regulate nerve growth factorâ€“mediated intracellular retention of the delta opioid receptor. Molecular Biology of the Cell, 2019, 30, 680-690.	0.9	30
20	Effects of extreme potassium stress on blood pressure and renal tubular sodium transport. American Journal of Physiology - Renal Physiology, 2020, 318, F1341-F1356.	1.3	25
21	Sequence-Specific Regulation of Endocytic Lifetimes Modulates Arrestin-Mediated Signaling at theÂμOpioid Receptor. Molecular Pharmacology, 2017, 91, 416-427.	1.0	20
22	FRESH 3D bioprinting a contractile heart tube using human stem cell-derived cardiomyocytes. Biofabrication, 2022, 14, 024106.	3.7	20
23	Fibronectin-based nanomechanical biosensors to map 3D surface strains in live cells and tissue. Nature Communications, 2020, 11, 5883.	5.8	18
24	3D printed biaxial stretcher compatible with live fluorescence microscopy. HardwareX, 2020, 7, e00095.	1.1	16
25	Long-Fiber Embedded Hydrogel 3D Printing for Structural Reinforcement. ACS Biomaterials Science and Engineering, 2022, 8, 303-313.	2.6	10
26	High dynamic range proteome imaging with the structured illumination gel imager. Electrophoresis, 2014, 35, 2642-2655.	1.3	9
27	Endothelial superoxide dismutase 2 is decreased in sickle cell disease and regulates fibronectin processing. Function, 2022, 3, zqac005.	1.1	3
28	Utility of perfusion decellularization to achieve biochemical and mechanically accurate whole animal and organâ€specific tissue scaffolds. Physiological Reports, 2021, 9, e14804.	0.7	2
29	In vivo engraftment into the cornea endothelium using extracellular matrix shrink-wrapped cells. Communications Materials, 2022, 3, .	2.9	0