Daniel J Shiwarski

List of Publications by Citations

28 papers	1,589 citations	16 h-index	35 g-index
35 ext. papers	2,188 ext. citations	8.3 avg, IF	5.01 L-index

#	Paper	IF	Citations
28	3D bioprinting of collagen to rebuild components of the human heart. *Science*, **2019**, 365, 482-487	33.3	629
27	TMEM16A induces MAPK and contributes directly to tumorigenesis and cancer progression. *Cancer Research*, **2012**, 72, 3270-81	10.1	212
26	DOG1: a novel marker of salivary acinar and intercalated duct differentiation. *Modern Pathology*, **2012**, 25, 919-29	9.8	171
25	To "grow" or "go": TMEM16A expression as a switch between tumor growth and metastasis in SCCHN. *Clinical Cancer Research*, **2014**, 20, 4673-88	12.9	69
24	FRESH 3D Bioprinting a Full-Size Model of the Human Heart. *ACS Biomaterials Science and Engineering*, **2020**, 6, 6453-6459	5.5	66
23	Organ-on-e-chip: Three-dimensional self-rolled biosensor array for electrical interrogations of human electrogenic spheroids. *Science Advances*, **2019**, 5, eaax0729	14.3	60
22	Distinct G protein-coupled receptor recycling pathways allow spatial control of downstream G protein signaling. *Journal of Cell Biology*, **2016**, 214, 797-806	7.3	47
21	Potassium-regulated distal tubule WNK bodies are kidney-specific WNK1 dependent. *Molecular Biology of the Cell*, **2018**, 29, 499-509	3.5	31
20	Emergence of FRESH 3D printing as a platform for advanced tissue biofabrication. *APL Bioengineering*, **2021**, 5, 010904	6.6	30
19	PI3K class II regulates opioid receptor export from the -Golgi network. *Molecular Biology of the Cell*, **2017**, 28, 2202-2219	3.5	29
18	Engineering Aligned Skeletal Muscle Tissue Using Decellularized Plant-Derived Scaffolds. *ACS Biomaterials Science and Engineering*, **2020**, 6, 3046-3054	5.5	28
17	TMEM16A/ANO1 Inhibits Apoptosis Via Downregulation of Bim Expression. *Clinical Cancer Research* , **2017**, 23, 7324-7332	12.9	28
16	A PTEN-Regulated Checkpoint Controls Surface Delivery of Opioid Receptors. *Journal of Neuroscience*, **2017**, 37, 3741-3752	6.6	27
15	Cell-autonomous regulation of Mu-opioid receptor recycling by substance P. *Cell Reports*, **2015**, 10, 1925-36	8.6	27
14	Graphene Microelectrode Arrays for Electrical and Optical Measurements of Human Stem Cell-Derived Cardiomyocytes. *Cellular and Molecular Bioengineering*, **2018**, 11, 407-418	3.9	23
13	Sequence-Specific Regulation of Endocytic Lifetimes Modulates Arrestin-Mediated Signaling at the Opioid Receptor. *Molecular Pharmacology*, **2017**, 91, 416-427	4.3	19
12	Dual RXR motifs regulate nerve growth factor-mediated intracellular retention of the delta opioid receptor. *Molecular Biology of the Cell*, **2019**, 30, 680-690	3.5	16

List of Publications

11	Dynamic loading of human engineered heart tissue enhances contractile function and drives a desmosome-linked disease phenotype. *Science Translational Medicine*, **2021**, 13,	17.5	14
10	3D Bioprinting using UNIversal Orthogonal Network (UNION) Bioinks. *Advanced Functional Materials*, **2021**, 31, 2007983	15.6	13
9	3D printed biaxial stretcher compatible with live fluorescence microscopy.. *HardwareX*, **2020**, 7,	2.7	9
8	High dynamic range proteome imaging with the structured illumination gel imager. *Electrophoresis*, **2014**, 35, 2642-55	3.6	9
7	Fibronectin-based nanomechanical biosensors to map 3D surface strains in live cells and tissue. *Nature Communications*, **2020**, 11, 5883	17.4	9
6	A high performance open-source syringe extruder optimized for extrusion and retraction during FRESH 3D bioprinting. *HardwareX*, **2021**, 9,	2.7	9
5	Effects of extreme potassium stress on blood pressure and renal tubular sodium transport. *American Journal of Physiology - Renal Physiology*, **2020**, 318, F1341-F1356	4.3	6
4	FRESH 3D bioprinting a contractile heart tube using human stem cell-derived cardiomyocytes.. *Biofabrication*, **2022**,	10.5	3
3	Dynamic Loading of Human Engineered Heart Tissue Enhances Contractile Function and Drives Desmosome-linked Disease Phenotype		1
2	Fibronectin-Based Nanomechanical Biosensors to Map 3D Strains in Live Cells and Tissues		1
1	Endothelial superoxide dismutase 2 is decreased in sickle cell disease and regulates fibronectin processing.. *Function*, **2022**, 3, zqac005	6.1	0