

# Daniel J Shiwarski

## List of Publications by Year in Descending Order

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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.

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	Endothelial superoxide dismutase 2 is decreased in sickle cell disease and regulates fibronectin processing.. <i>Function</i> , <b>2022</b> , 3, zqac005	6.1	0
27	FRESH 3D bioprinting a contractile heart tube using human stem cell-derived cardiomyocytes.. <i>Biofabrication</i> , <b>2022</b> ,	10.5	3
26	Emergence of FRESH 3D printing as a platform for advanced tissue biofabrication. <i>APL Bioengineering</i> , <b>2021</b> , 5, 010904	6.6	30
25	A high performance open-source syringe extruder optimized for extrusion and retraction during FRESH 3D bioprinting. <i>HardwareX</i> , <b>2021</b> , 9,	2.7	9
24	Dynamic loading of human engineered heart tissue enhances contractile function and drives a desmosome-linked disease phenotype. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	14
23	3D Bioprinting using UNiversal Orthogonal Network (UNION) Bioinks. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2007983	15.6	13
22	3D printed biaxial stretcher compatible with live fluorescence microscopy.. <i>HardwareX</i> , <b>2020</b> , 7,	2.7	9
21	Engineering Aligned Skeletal Muscle Tissue Using Decellularized Plant-Derived Scaffolds. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 3046-3054	5.5	28
20	Effects of extreme potassium stress on blood pressure and renal tubular sodium transport. <i>American Journal of Physiology - Renal Physiology</i> , <b>2020</b> , 318, F1341-F1356	4.3	6
19	FRESH 3D Bioprinting a Full-Size Model of the Human Heart. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 6453-6459	5.5	66
18	Fibronectin-based nanomechanical biosensors to map 3D surface strains in live cells and tissue. <i>Nature Communications</i> , <b>2020</b> , 11, 5883	17.4	9
17	Organ-on-e-chip: Three-dimensional self-rolled biosensor array for electrical interrogations of human electrogenic spheroids. <i>Science Advances</i> , <b>2019</b> , 5, eaax0729	14.3	60
16	3D bioprinting of collagen to rebuild components of the human heart. <i>Science</i> , <b>2019</b> , 365, 482-487	33.3	629
15	Dual RXR motifs regulate nerve growth factor-mediated intracellular retention of the delta opioid receptor. <i>Molecular Biology of the Cell</i> , <b>2019</b> , 30, 680-690	3.5	16
14	Potassium-regulated distal tubule WNK bodies are kidney-specific WNK1 dependent. <i>Molecular Biology of the Cell</i> , <b>2018</b> , 29, 499-509	3.5	31
13	Graphene Microelectrode Arrays for Electrical and Optical Measurements of Human Stem Cell-Derived Cardiomyocytes. <i>Cellular and Molecular Bioengineering</i> , <b>2018</b> , 11, 407-418	3.9	23
12	Sequence-Specific Regulation of Endocytic Lifetimes Modulates Arrestin-Mediated Signaling at the Opioid Receptor. <i>Molecular Pharmacology</i> , <b>2017</b> , 91, 416-427	4.3	19

11	A PTEN-Regulated Checkpoint Controls Surface Delivery of $\mu$ Opioid Receptors. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 3741-3752	6.6	27
10	TMEM16A/ANO1 Inhibits Apoptosis Via Downregulation of Bim Expression. <i>Clinical Cancer Research</i> , <b>2017</b> , 23, 7324-7332	12.9	28
9	PI3K class II $\beta$ regulates $\mu$ opioid receptor export from the -Golgi network. <i>Molecular Biology of the Cell</i> , <b>2017</b> , 28, 2202-2219	3.5	29
8	Distinct G protein-coupled receptor recycling pathways allow spatial control of downstream G protein signaling. <i>Journal of Cell Biology</i> , <b>2016</b> , 214, 797-806	7.3	47
7	Cell-autonomous regulation of $\mu$ -opioid receptor recycling by substance P. <i>Cell Reports</i> , <b>2015</b> , 10, 1925-1936	13.6	27
6	To "grow" or "go": TMEM16A expression as a switch between tumor growth and metastasis in SCCHN. <i>Clinical Cancer Research</i> , <b>2014</b> , 20, 4673-88	12.9	69
5	High dynamic range proteome imaging with the structured illumination gel imager. <i>Electrophoresis</i> , <b>2014</b> , 35, 2642-55	3.6	9
4	TMEM16A induces MAPK and contributes directly to tumorigenesis and cancer progression. <i>Cancer Research</i> , <b>2012</b> , 72, 3270-81	10.1	212
3	DOG1: a novel marker of salivary acinar and intercalated duct differentiation. <i>Modern Pathology</i> , <b>2012</b> , 25, 919-29	9.8	171
2	Dynamic Loading of Human Engineered Heart Tissue Enhances Contractile Function and Drives Desmosome-linked Disease Phenotype		1
1	Fibronectin-Based Nanomechanical Biosensors to Map 3D Strains in Live Cells and Tissues		1