

# Sean V Murphy

## 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.

49  
papers

5,918  
citations

22  
h-index

52  
g-index

52  
ext. papers

7,066  
ext. citations

6.5  
avg, IF

6.74  
L-index

#	Paper	IF	Citations
49	A Rapid Crosslinkable Maleimide-Modified Hyaluronic Acid and Gelatin Hydrogel Delivery System for Regenerative Applications. <i>Gels</i> , <b>2021</b> , 7,	4.2	2
48	Adenosine-treated bioprinted muscle constructs prolong cell survival and improve tissue formation. <i>Bio-Design and Manufacturing</i> , <b>2021</b> , 4, 441-451	4.7	
47	Multicellular 3D Neurovascular Unit Model for Assessing Hypoxia and Neuroinflammation Induced Blood-Brain Barrier Dysfunction. <i>Scientific Reports</i> , <b>2020</b> , 10, 9766	4.9	28
46	Drug compound screening in single and integrated multi-organoid body-on-a-chip systems. <i>Biofabrication</i> , <b>2020</b> , 12, 025017	10.5	63
45	Probing prodrug metabolism and reciprocal toxicity with an integrated and humanized multi-tissue organ-on-a-chip platform. <i>Acta Biomaterialia</i> , <b>2020</b> , 106, 124-135	10.8	51
44	Sustained release of stromal cell-derived factor-1 alpha from silk fibroin microfiber promotes urethral reconstruction in rabbits. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2020</b> , 108, 1760-1773	5.4	3
43	Bioprinted Skin Recapitulates Normal Collagen Remodeling in Full-Thickness Wounds. <i>Tissue Engineering - Part A</i> , <b>2020</b> , 26, 512-526	3.9	34
42	Opportunities and challenges of translational 3D bioprinting. <i>Nature Biomedical Engineering</i> , <b>2020</b> , 4, 370-380	19	144
41	Stromal cells from perinatal and adult sources modulate the inflammatory immune response in vitro by decreasing Th1 cell proliferation and cytokine secretion. <i>Stem Cells Translational Medicine</i> , <b>2020</b> , 9, 61-73	6.9	9
40	Amnion membrane hydrogel and amnion membrane powder accelerate wound healing in a full thickness porcine skin wound model. <i>Stem Cells Translational Medicine</i> , <b>2020</b> , 9, 80-92	6.9	27
39	Extrusion-Based Bioprinting: Current Standards and Relevancy for Human-Sized Tissue Fabrication. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2140, 65-92	1.4	8
38	Cystic Fibrosis Inflammation: Hyperinflammatory, Hypoinflammatory, or Both?. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2019</b> , 61, 273-274	5.7	6
37	Rethinking Regenerative Medicine From a Transplant Perspective (and Vice Versa). <i>Transplantation</i> , <b>2019</b> , 103, 237-249	1.8	13
36	Current Challenges of Bioprinted Tissues Toward Clinical Translation. <i>Tissue Engineering - Part B: Reviews</i> , <b>2019</b> , 25, 1-13	7.9	18
35	Immune and Cytokine Dysfunction in Cystic Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2019</b> , 61, 656-658	5.7	2
34	Clinical Application of Stem/Stromal Cells in Cystic Fibrosis <b>2019</b> , 179-198		
33	Bioprinted trachea constructs with patient-matched design, mechanical and biological properties. <i>Biofabrication</i> , <b>2019</b> , 12, 015022	10.5	22

32	In Situ Bioprinting of Autologous Skin Cells Accelerates Wound Healing of Extensive Excisional Full-Thickness Wounds. <i>Scientific Reports</i> , <b>2019</b> , 9, 1856	4.9	171
31	Long-term therapeutic effect of cell therapy on improvement in erectile function in a rat model with pelvic neurovascular injury. <i>BJU International</i> , <b>2019</b> , 124, 145-154	5.6	12
30	Immunomodulatory Cell Therapy to Target Cystic Fibrosis Inflammation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2018</b> , 58, 12-20	5.7	11
29	Perinatal Cells and Biomaterials for Wound Healing <b>2018</b> , 175-186		
28	Solubilized Amnion Membrane Hyaluronic Acid Hydrogel Accelerates Full-Thickness Wound Healing. <i>Stem Cells Translational Medicine</i> , <b>2017</b> , 6, 2020-2032	6.9	55
27	Multi-tissue interactions in an integrated three-tissue organ-on-a-chip platform. <i>Scientific Reports</i> , <b>2017</b> , 7, 8837	4.9	297
26	Bioprinting for Wound Healing Applications. <i>Frontiers in Nanobiomedical Research</i> , <b>2017</b> , 325-353		2
25	A tunable hydrogel system for long-term release of cell-secreted cytokines and bioprinted in situ wound cell delivery. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2017</b> , 105, 1986-2000	3.5	73
24	IMAGE AND VIDEO ACQUISITION AND PROCESSING FOR CLINICAL APPLICATIONS. <i>Biomedical Engineering and Computational Biology</i> , <b>2016</b> , 7, 35-8	3.6	1
23	Lung-On-A-Chip Technologies for Disease Modeling and Drug Development. <i>Biomedical Engineering and Computational Biology</i> , <b>2016</b> , 7, 17-27	3.6	62
22	Kidney transplantation, bioengineering and regeneration: an originally immunology-based discipline destined to transition towards ad hoc organ manufacturing and repair. <i>Expert Review of Clinical Immunology</i> , <b>2016</b> , 12, 169-82	5.1	10
21	Tissue performance of bladder following stretched electrospun silk fibroin matrix and bladder acellular matrix implantation in a rabbit model. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2016</b> , 104, 9-16	5.4	25
20	Use of trimetasphere metallofullerene MRI contrast agent for the non-invasive longitudinal tracking of stem cells in the lung. <i>Methods</i> , <b>2016</b> , 99, 99-111	4.6	16
19	Fluorescent Cell Imaging in Regenerative Medicine. <i>Biomedical Engineering and Computational Biology</i> , <b>2016</b> , 7, 29-33	3.6	1
18	Stem Cell Therapy for Treatment of Stress Urinary Incontinence: The Current Status and Challenges. <i>Stem Cells International</i> , <b>2016</b> , 2016, 7060975	5	23
17	Regenerative medicine. <i>JAMA - Journal of the American Medical Association</i> , <b>2015</b> , 313, 1413-4	27.4	17
16	Cell therapy for cystic fibrosis. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2015</b> , 9, 210-23	4.4	5
15	Prospect for kidney bioengineering: shortcomings of the status quo. <i>Expert Opinion on Biological Therapy</i> , <b>2015</b> , 15, 547-58	5.4	23

14	Tracheal reconstruction in a canine model. <i>Otolaryngology - Head and Neck Surgery</i> , <b>2014</b> , 150, 428-33	5.5	19
13	3D bioprinting of tissues and organs. <i>Nature Biotechnology</i> , <b>2014</b> , 32, 773-85	44.5	3876
12	Regenerative medicine in urology. <i>Seminars in Pediatric Surgery</i> , <b>2014</b> , 23, 106-11	2.1	15
11	Isolation, cryopreservation and culture of human amnion epithelial cells for clinical applications. <i>Journal of Visualized Experiments</i> , <b>2014</b> ,	1.6	15
10	Measuring respiratory function in mice using unrestrained whole-body plethysmography. <i>Journal of Visualized Experiments</i> , <b>2014</b> , e51755	1.6	23
9	Bladder acellular matrix and its application in bladder augmentation. <i>Tissue Engineering - Part B: Reviews</i> , <b>2014</b> , 20, 163-72	7.9	61
8	Newborn Stem Cells: Identity, Function, and Clinical Potential <b>2013</b> , 119-137		1
7	Human mesenchymal stem cells reduce lung injury in immunocompromised mice but not in immunocompetent mice. <i>Respiration</i> , <b>2013</b> , 85, 332-41	3.7	21
6	Evaluation of hydrogels for bio-printing applications. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2013</b> , 101, 272-84	5.4	379
5	Amniotic fluid and placental membranes: unexpected sources of highly multipotent cells. <i>Seminars in Reproductive Medicine</i> , <b>2013</b> , 31, 62-8	1.4	62
4	Human amnion epithelial cells do not abrogate pulmonary fibrosis in mice with impaired macrophage function. <i>Cell Transplantation</i> , <b>2012</b> , 21, 1477-92	4	59
3	Human amnion epithelial cells induced to express functional cystic fibrosis transmembrane conductance regulator. <i>PLoS ONE</i> , <b>2012</b> , 7, e46533	3.7	22
2	Human amnion epithelial cells prevent bleomycin-induced lung injury and preserve lung function. <i>Cell Transplantation</i> , <b>2011</b> , 20, 909-23	4	128
1	Cell and Molecular Biology and Imaging of Stem Cells1-20		