

# Justin C Burrell

## List of Publications by Year in descending order

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36  
papers

876  
citations

471509  
17  
h-index

501196  
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g-index

42  
all docs

42  
docs citations

42  
times ranked

1049  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuroimmune interactions and immunoengineering strategies in peripheral nerve repair. Progress in Neurobiology, 2022, 208, 102172.	5.7	19
2	Neurorrhaphy in Presence of Polyethylene Glycol Enables Immediate Electrophysiological Conduction in Porcine Model of Facial Nerve Injury. Frontiers in Surgery, 2022, 9, 811544.	1.4	3
3	Comments on “Comparison between normal and reverse orientation of graft in functional and histomorphological outcomes after autologous nerve grafting: An experimental study in the mouse model”. Microsurgery, 2022, 42, 393-394.	1.3	0
4	Engineered neuronal microtissue provides exogenous axons for delayed nerve fusion and rapid neuromuscular recovery in rats. Bioactive Materials, 2022, 18, 339-353.	15.6	3
5	Implantation of a nerve protector embedded with human GMSC-derived Schwann-like cells accelerates regeneration of crush-injured rat sciatic nerves. Stem Cell Research and Therapy, 2022, 13, .	5.5	11
6	Tyrosine-derived polycarbonate nerve guidance tubes elicit proregenerative extracellular matrix deposition when used to bridge segmental nerve defects in swine. Journal of Biomedical Materials Research - Part A, 2021, 109, 1183-1195.	4.0	9
7	Biopreservation of living tissue engineered nerve grafts. Journal of Tissue Engineering, 2021, 12, 204173142110324.	5.5	3
8	Implantation of Engineered Axon Tracts to Bridge Spinal Cord Injury Beyond the Glial Scar in Rats. Tissue Engineering - Part A, 2021, 27, 1264-1274.	3.1	6
9	Biomanufacturing of Axon-Based Tissue Engineered Nerve Grafts Using Porcine GalSafe Neurons. Tissue Engineering - Part A, 2021, 27, 1305-1320.	3.1	8
10	Harnessing 3D collagen hydrogel-directed conversion of human GMSCs into SCP-like cells to generate functionalized nerve conduits. Npj Regenerative Medicine, 2021, 6, 59.	5.2	13
11	Development of optically controlled “living electrodes” with long-projecting axon tracts for a synaptic brain-machine interface. Science Advances, 2021, 7, .	10.3	40
12	Tissue engineered axon-based “living scaffolds” promote survival of spinal cord motor neurons following peripheral nerve repair. Journal of Tissue Engineering and Regenerative Medicine, 2020, 14, 1892-1907.	2.7	8
13	Tissue Engineered Bands of BDNF Promote Accelerated Motor and Sensory Axonal Outgrowth. Frontiers in Bioengineering and Biotechnology, 2020, 8, 580654.	4.1	37
14	A Porcine Model of Peripheral Nerve Injury Enabling Ultra-Long Regenerative Distances: Surgical Approach, Recovery Kinetics, and Clinical Relevance. Neurosurgery, 2020, 87, 833-846.	1.1	21
15	Tissue Engineered Axon Tracts Serve as Living Scaffolds to Accelerate Axonal Regeneration and Functional Recovery Following Peripheral Nerve Injury in Rats. Frontiers in Bioengineering and Biotechnology, 2020, 8, 492.	4.1	22
16	Emerging regenerative medicine and tissue engineering strategies for Parkinson’s disease. Npj Parkinson's Disease, 2020, 6, 4.	5.3	44
17	Injectable and Conductive Granular Hydrogels for 3D Printing and Electroactive Tissue Support. Advanced Science, 2019, 6, 1901229.	11.2	118
18	Scaffolds for bridging sciatic nerve gaps. , 2019, , 67-93.		3

#	ARTICLE	IF	CITATIONS
19	Neural Crest Stem-Like Cells Non-genetically Induced from Human Gingiva-Derived Mesenchymal Stem Cells Promote Facial Nerve Regeneration in Rats. <i>Molecular Neurobiology</i> , 2018, 55, 6965-6983.	4.0	44
20	3D bio-printed scaffold-free nerve constructs with human gingiva-derived mesenchymal stem cells promote rat facial nerve regeneration. <i>Scientific Reports</i> , 2018, 8, 6634.	3.3	84
21	Engineered Axonal Tracts as “Living Electrodes” for Synaptic-Based Modulation of Neural Circuitry. <i>Advanced Functional Materials</i> , 2018, 28, 1701183.	14.9	36
22	Biomimetic extracellular matrix coatings improve the chronic biocompatibility of microfabricated subdural microelectrode arrays. <i>PLoS ONE</i> , 2018, 13, e0206137.	2.5	16
23	Tissue engineered nigrostriatal pathway for treatment of Parkinson's disease. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 1702-1716.	2.7	48
24	To reverse or not to reverse? A systematic review of autograft polarity on functional outcomes following peripheral nerve repair surgery. <i>Microsurgery</i> , 2017, 37, 169-174.	1.3	22
25	Anatomically Inspired Three-dimensional Micro-tissue Engineered Neural Networks for Nervous System Reconstruction, Modulation, and Modeling. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	33
26	The Evolution of Neuroprosthetic Interfaces. <i>Critical Reviews in Biomedical Engineering</i> , 2016, 44, 123-152.	0.9	56
27	An Extensive Anatosurgical Study of the Interpeduncular Fossa through Multiple Surgical Corridors. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2016, 77, .	0.8	0
28	A 3D endoscopic transtubular transcallosal approach to the third ventricle. <i>Journal of Neurosurgery</i> , 2015, 122, 564-573.	1.6	22
29	The Meningo-Orbital Band: Microsurgical Anatomy and Surgical Detachment of the Membranous Structures through a Frontotemporal Craniotomy with Removal of the Anterior Clinoid Process. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2014, 75, 125-132.	0.8	44
30	Partial Anterior Petrosectomies for Upper Basilar Artery Trunk Aneurysms: A Cadaveric and Clinical Study. <i>World Neurosurgery</i> , 2014, 82, 1113-1119.	1.3	8
31	Endoscopic extradural anterior clinoidectomy and optic nerve decompression through a pterional port. <i>Journal of Clinical Neuroscience</i> , 2014, 21, 836-840.	1.5	31
32	A Safe and Effective Technique for Harvesting the Occipital Artery for Posterior Fossa Bypass Surgery: A Cadaveric Study. <i>World Neurosurgery</i> , 2014, 82, e459-e465.	1.3	35
33	3D Endoscopic Transtubular Anterior Petrosectomy for Petroclival Meningiomas: Assessment of Resection in Varying Tumor Volumes Utilizing a Synthetic Tumor Model. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2014, 75, .	0.8	0
34	Postoperative intracranial hypotension-associated venous congestion: Case report and literature review. <i>Clinical Neurology and Neurosurgery</i> , 2013, 115, 2243-2246.	1.4	18
35	Complete bilateral arcuate foramina and atlantoaxial subluxation. <i>Acta Neurochirurgica</i> , 2013, 155, 2357-2358.	1.7	0
36	Optically-Controlled 'Living Electrodes' with Long-Projecting Axon Tracts for a Synaptic Brain-Machine Interface. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2