

# Justin C Burrell

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

876  
citations

471509

17  
h-index

501196

28  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1049  
citing authors

#	ARTICLE	IF	CITATIONS
1	Injectable and Conductive Granular Hydrogels for 3D Printing and Electroactive Tissue Support. <i>Advanced Science</i> , 2019, 6, 1901229.	11.2	118
2	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
3	The Evolution of Neuroprosthetic Interfaces. <i>Critical Reviews in Biomedical Engineering</i> , 2016, 44, 123-152.	0.9	56
4	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
5	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
6	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
7	Emerging regenerative medicine and tissue engineering strategies for Parkinson's disease. <i>Npj Parkinson's Disease</i> , 2020, 6, 4.	5.3	44
8	Development of optically controlled "living electrodes" with long-projecting axon tracts for a synaptic brain-machine interface. <i>Science Advances</i> , 2021, 7, .	10.3	40
9	Tissue Engineered Bands of Banding for Accelerated Motor and Sensory Axonal Outgrowth. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 580654.	4.1	37
10	Engineered Axonal Tracts as "Living Electrodes" for Synaptic-Based Modulation of Neural Circuitry. <i>Advanced Functional Materials</i> , 2018, 28, 1701183.	14.9	36
11	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
12	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
13	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
14	A 3D endoscopic transtubular transcallosal approach to the third ventricle. <i>Journal of Neurosurgery</i> , 2015, 122, 564-573.	1.6	22
15	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
16	Tissue Engineered Axon Tracts Serve as Living Scaffolds to Accelerate Axonal Regeneration and Functional Recovery Following Peripheral Nerve Injury in Rats. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 492.	4.1	22
17	A Porcine Model of Peripheral Nerve Injury Enabling Ultra-Long Regenerative Distances: Surgical Approach, Recovery Kinetics, and Clinical Relevance. <i>Neurosurgery</i> , 2020, 87, 833-846.	1.1	21
18	Neuroimmune interactions and immunoengineering strategies in peripheral nerve repair. <i>Progress in Neurobiology</i> , 2022, 208, 102172.	5.7	19

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19	Postoperative intracranial hypotension-associated venous congestion: Case report and literature review. <i>Clinical Neurology and Neurosurgery</i> , 2013, 115, 2243-2246.	1.4	18
20	Biomimetic extracellular matrix coatings improve the chronic biocompatibility of microfabricated subdural microelectrode arrays. <i>PLoS ONE</i> , 2018, 13, e0206137.	2.5	16
21	Harnessing 3D collagen hydrogel-directed conversion of human GMSCs into SCP-like cells to generate functionalized nerve conduits. <i>Npj Regenerative Medicine</i> , 2021, 6, 59.	5.2	13
22	Implantation of a nerve protector embedded with human GMSC-derived Schwann-like cells accelerates regeneration of crush-injured rat sciatic nerves. <i>Stem Cell Research and Therapy</i> , 2022, 13, .	5.5	11
23	Tyrosineâ€derived polycarbonate nerve guidance tubes elicit proregenerative extracellular matrix deposition when used to bridge segmental nerve defects in swine. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 1183-1195.	4.0	9
24	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
25	Tissue engineered axonâ€based â€living scaffoldsâ€promote survival of spinal cord motor neurons following peripheral nerve repair. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 1892-1907.	2.7	8
26	Biomanufacturing of Axon-Based Tissue Engineered Nerve Grafts Using Porcine GalSafe Neurons. <i>Tissue Engineering - Part A</i> , 2021, 27, 1305-1320.	3.1	8
27	Implantation of Engineered Axon Tracts to Bridge Spinal Cord Injury Beyond the Glial Scar in Rats. <i>Tissue Engineering - Part A</i> , 2021, 27, 1264-1274.	3.1	6
28	Scaffolds for bridging sciatic nerve gaps. , 2019, , 67-93.		3
29	Biopreservation of living tissue engineered nerve grafts. <i>Journal of Tissue Engineering</i> , 2021, 12, 204173142110324.	5.5	3
30	Neurorrhaphy in Presence of Polyethylene Glycol Enables Immediate Electrophysiological Conduction in Porcine Model of Facial Nerve Injury. <i>Frontiers in Surgery</i> , 2022, 9, 811544.	1.4	3
31	Engineered neuronal microtissue provides exogenous axons for delayed nerve fusion and rapid neuromuscular recovery in rats. <i>Bioactive Materials</i> , 2022, 18, 339-353.	15.6	3
32	Optically-Controlled 'Living Electrodes' with Long-Projecting Axon Tracts for a Synaptic Brain-Machine Interface. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
33	Complete bilateral arcuate foramina and atlantoaxial subluxation. <i>Acta Neurochirurgica</i> , 2013, 155, 2357-2358.	1.7	0
34	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
35	An Extensive Anatomosurgical Study of the Interpeduncular Fossa through Multiple Surgical Corridors. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2016, 77, .	0.8	0
36	Comments on â€Comparison between normal and reverse orientation of graft in functional and histomorphological outcomes after autologous nerve grafting: An experimental study in the mouse modelâ€. <i>Microsurgery</i> , 2022, 42, 393-394.	1.3	0