

# James P Harris

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6443239/publications.pdf>

Version: 2024-02-01

20  
papers

653  
citations

686830

13  
h-index

839053

18  
g-index

22  
all docs

22  
docs citations

22  
times ranked

837  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Porcine Model of Traumatic Brain Injury via Head Rotational Acceleration. <i>Methods in Molecular Biology</i> , 2016, 1462, 289-324.	0.4	89
2	Transplantable living scaffolds comprised of micro-tissue engineered aligned astrocyte networks to facilitate central nervous system regeneration. <i>Acta Biomaterialia</i> , 2016, 38, 44-58.	4.1	71
3	Restoring nervous system structure and function using tissue engineered living scaffolds. <i>Neural Regeneration Research</i> , 2015, 10, 679.	1.6	64
4	Rapid neuroinflammatory response localized to injured neurons after diffuse traumatic brain injury in swine. <i>Experimental Neurology</i> , 2017, 290, 85-94.	2.0	58
5	The Evolution of Neuroprosthetic Interfaces. <i>Critical Reviews in Biomedical Engineering</i> , 2016, 44, 123-152.	0.5	56
6	Tissue engineered nigrostriatal pathway for treatment of Parkinson's disease. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 1702-1716.	1.3	48
7	Emerging regenerative medicine and tissue engineering strategies for Parkinson's disease. <i>Npj Parkinson's Disease</i> , 2020, 6, 4.	2.5	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, .	4.7	40
9	Engineered Axonal Tracts as "Living Electrodes" for Synaptic-Based Modulation of Neural Circuitry. <i>Advanced Functional Materials</i> , 2018, 28, 1701183.	7.8	36
10	Anatomically Inspired Three-dimensional Micro-tissue Engineered Neural Networks for Nervous System Reconstruction, Modulation, and Modeling. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	33
11	Mechanical elongation of astrocyte processes to create living scaffolds for nervous system regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 2737-2751.	1.3	26
12	Neuromodulation using ultra low frequency current waveform reversibly blocks axonal conduction and chronic pain. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	20
13	Diverse changes in microglia morphology and axonal pathology during the course of 1 year after mild traumatic brain injury in pigs. <i>Brain Pathology</i> , 2021, 31, e12953.	2.1	16
14	Mossy cell hypertrophy and synaptic changes in the hilus following mild diffuse traumatic brain injury in pigs. <i>Journal of Neuroinflammation</i> , 2020, 17, 44.	3.1	14
15	Biological, mechanical, and technological considerations affecting the longevity of intracortical electrode recordings. <i>Critical Reviews in Biomedical Engineering</i> , 2013, 41, 435-56.	0.5	12
16	Microscale Characterization of a Mechanically Adaptive Polymer Nanocomposite With Cotton-Derived Cellulose Nanocrystals for Implantable BioMEMS. <i>Journal of Microelectromechanical Systems</i> , 2014, 23, 774-784.	1.7	9
17	A three-dimensional image processing program for accurate, rapid, and semi-automated segmentation of neuronal somata with dense neurite outgrowth. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 87.	0.9	7
18	The Brain Initiative's Implications for a Revolutionary Change in Clinical Medicine via Neuromodulation Technology. , 2018, , 55-68.		4

#	ARTICLE	IF	CITATIONS
19	Optically-Controlled 'Living Electrodes' with Long-Projecting Axon Tracts for a Synaptic Brain-Machine Interface. SSRN Electronic Journal, 0, , .	0.4	2
20	Anatomy and Physiology of the Central Nervous System. Series on Bioengineering and Biomedical Engineering, 2017, , 40-103.	0.1	1