James P Harris

List of Publications by Year
in descending order

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	Diverse changes in microglia morphology and axonal pathology during the course of 1Âyear after mild traumatic brain injury in pigs. Brain Pathology, 2021, 31, e12953.	2.1	16
2	Neuromodulation using ultra low frequency current waveform reversibly blocks axonal conduction and chronic pain. Science Translational Medicine, 2021, 13, .	5.8	20
3	Development of optically controlled â€œliving electrodesâ€•with long-projecting axon tracts for a synaptic brain-machine interface. Science Advances, 2021, 7, .	4.7	40
4	Emerging regenerative medicine and tissue engineering strategies for Parkinsonâ€™s disease. Npj Parkinson's Disease, 2020, 6, 4.	2.5	44
5	Mossy cell hypertrophy and synaptic changes in the hilus following mild diffuse traumatic brain injury in pigs. Journal of Neuroinflammation, 2020, 17, 44.	3.1	14
6	Engineered Axonal Tracts as â€œLiving Electrodesâ€•for Synapticâ€Based Modulation of Neural Circuitry. Advanced Functional Materials, 2018, 28, 1701183.	7.8	36
7	Tissue engineered nigrostriatal pathway for treatment of Parkinson's disease. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 1702-1716.	1.3	48
8	The Brain Initiativeâ€”Implications for a Revolutionary Change in Clinical Medicine via Neuromodulation Technology. , 2018, , 55-68.		4
9	Mechanical elongation of astrocyte processes to create living scaffolds for nervous system regeneration. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 2737-2751.	1.3	26
10	Rapid neuroinflammatory response localized to injured neurons after diffuse traumatic brain injury in swine. Experimental Neurology, 2017, 290, 85-94.	2.0	58
11	Anatomically Inspired Three-dimensional Micro-tissue Engineered Neural Networks for Nervous System Reconstruction, Modulation, and Modeling. Journal of Visualized Experiments, 2017, , .	0.2	33
12	Anatomy and Physiology of the Central Nervous System. Series on Bioengineering and Biomedical Engineering, 2017, , 40-103.	0.1	1
13	The Evolution of Neuroprosthetic Interfaces. Critical Reviews in Biomedical Engineering, 2016, 44, 123-152.	0.5	56
14	Transplantable living scaffolds comprised of micro-tissue engineered aligned astrocyte networks to facilitate central nervous system regeneration. Acta Biomaterialia, 2016, 38, 44-58.	4.1	71
15	A Porcine Model of Traumatic Brain Injury via Head Rotational Acceleration. Methods in Molecular Biology, 2016, 1462, 289-324.	0.4	89
16	A three-dimensional image processing program for accurate, rapid, and semi-automated segmentation of neuronal somata with dense neurite outgrowth. Frontiers in Neuroanatomy, 2015, 9, 87.	0.9	7
17	Restoring nervous system structure and function using tissue engineered living scaffolds. Neural Regeneration Research, 2015, 10, 679.	1.6	64
18	Microscale Characterization of a Mechanically Adaptive Polymer Nanocomposite With Cotton-Derived Cellulose Nanocrystals for Implantable BioMEMS. Journal of Microelectromechanical Systems, 2014, 23, 774-784.	1.7	9

#	Article	IF	Citations
19	Biological, mechanical, and technological considerations affecting the longevity of intracortical electrode recordings. Critical Reviews in Biomedical Engineering, 2013, 41, 435-56.	0.5	12
20	Optically-Controlled 'Living Electrodes' with Long-Projecting Axon Tracts for a Synaptic Brain-Machine Interface. SSRN Electronic Journal, 0, , .	0.4	2