

Scott Barbay

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

2,226
citations

687335

13
h-index

794568

19
g-index

21
all docs

21
docs citations

21
times ranked

2318
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoacoustic imaging of squirrel monkey cortical and subcortical brain regions during peripheral electrical stimulation. <i>Photoacoustics</i> , 2022, 25, 100326.	7.8	8
2	A cortical injury model in a non-human primate to assess execution of reach and grasp actions: implications for recovery after traumatic brain injury. <i>Journal of Neuroscience Methods</i> , 2021, 361, 109283.	2.5	1
3	Unrepaired decompressive craniectomy worsens motor performance in a rat traumatic brain injury model. <i>Scientific Reports</i> , 2020, 10, 22242.	3.3	5
4	Manifestations of Apprehension and Anxiety in a Sprague Dawley Cranial Defect Model. <i>Journal of Craniofacial Surgery</i> , 2020, 31, 2364-2367.	0.7	2
5	A brain-spinal interface (BSI) system-on-chip (SoC) for closed-loop cortically-controlled intraspinal microstimulation. <i>Analog Integrated Circuits and Signal Processing</i> , 2018, 95, 1-16.	1.4	6
6	A miniaturized brain-machine-spinal cord interface (BMSI) for closed-loop intraspinal microstimulation. , 2016, , .		2
7	Poster 202 A Translational Model of Traumatic Brain Injury: Motor Recovery from a Focal Controlled Cortical Impact to Primary Motor Cortex. <i>PM and R</i> , 2016, 8, S227.	1.6	0
8	Effects of Subdural Monopolar Cortical Stimulation Paired With Rehabilitative Training on Behavioral and Neurophysiological Recovery After Cortical Ischemic Stroke in Adult Squirrel Monkeys. <i>Neurorehabilitation and Neural Repair</i> , 2016, 30, 159-172.	2.9	17
9	Effects of Postinfarct Myelin-Associated Glycoprotein Antibody Treatment on Motor Recovery and Motor Map Plasticity in Squirrel Monkeys. <i>Stroke</i> , 2015, 46, 1620-1625.	2.0	14
10	Output Properties of the Cortical Hindlimb Motor Area in Spinal Cord-Injured Rats. <i>Journal of Neurotrauma</i> , 2015, 32, 1666-1673.	3.4	25
11	Rehabilitative Training Promotes Rapid Motor Recovery but Delayed Motor Map Reorganization in a Rat Cortical Ischemic Infarct Model. <i>Neurorehabilitation and Neural Repair</i> , 2015, 29, 472-482.	2.9	69
12	Restoration of function after brain damage using a neural prosthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 21177-21182.	7.1	191
13	Reorganization of Motor Cortex after Controlled Cortical Impact in Rats and Implications for Functional Recovery. <i>Journal of Neurotrauma</i> , 2010, 27, 2221-2232.	3.4	85
14	Neuronal HIF-1 α Protein and VEGFR-2 Immunoreactivity in Functionally Related Motor Areas following a Focal M1 Infarct. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 612-620.	4.3	36
15	Early and Late Changes in the Distal Forelimb Representation of the Supplementary Motor Area After Injury to Frontal Motor Areas in the Squirrel Monkey. <i>Journal of Neurophysiology</i> , 2008, 100, 1498-1512.	1.8	68
16	Behavioral and neurophysiological effects of delayed training following a small ischemic infarct in primary motor cortex of squirrel monkeys. <i>Experimental Brain Research</i> , 2006, 169, 106-116.	1.5	84
17	Extensive Cortical Rewiring after Brain Injury. <i>Journal of Neuroscience</i> , 2005, 25, 10167-10179.	3.6	626
18	Post-infarct cortical plasticity and behavioral recovery using concurrent cortical stimulation and rehabilitative training: A feasibility study in primates. <i>Neurological Research</i> , 2003, 25, 801-810.	1.3	269

#	ARTICLE	IF	CITATIONS
19	An Index of Topographic Normality in Rat Somatosensory Cortex: Application to a Sciatic Nerve Crush Model. <i>Journal of Neurophysiology</i> , 2002, 88, 1339-1351.	1.8	13
20	Sensitivity of neurons in somatosensory cortex (S1) to cutaneous stimulation of the hindlimb immediately following a sciatic nerve crush. <i>Somatosensory & Motor Research</i> , 1999, 16, 103-114.	0.9	17
21	Functional Reorganization of the Rat Motor Cortex Following Motor Skill Learning. <i>Journal of Neurophysiology</i> , 1998, 80, 3321-3325.	1.8	688