

Erik J Plautz

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

3,767
citations

236925

25
h-index

302126

39
g-index

45
all docs

45
docs citations

45
times ranked

3827
citing authors

#	ARTICLE	IF	CITATIONS
1	Extensive Cortical Rewiring after Brain Injury. <i>Journal of Neuroscience</i> , 2005, 25, 10167-10179.	3.6	626
2	Effects of Repetitive Motor Training on Movement Representations in Adult Squirrel Monkeys: Role of Use versus Learning. <i>Neurobiology of Learning and Memory</i> , 2000, 74, 27-55.	1.9	551
3	Role of adaptive plasticity in recovery of function after damage to motor cortex. <i>Muscle and Nerve</i> , 2001, 24, 1000-1019.	2.2	482
4	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
5	In Search of the Motor Engram: Motor Map Plasticity as a Mechanism for Encoding Motor Experience. <i>Neuroscientist</i> , 2005, 11, 471-483.	3.5	243
6	Short-Chain Fatty Acids Improve Poststroke Recovery via Immunological Mechanisms. <i>Journal of Neuroscience</i> , 2020, 40, 1162-1173.	3.6	199
7	Effects of Small Ischemic Lesions in the Primary Motor Cortex on Neurophysiological Organization in Ventral Premotor Cortex. <i>Journal of Neurophysiology</i> , 2006, 96, 3506-3511.	1.8	93
8	Combination of NEP 1-40 Treatment and Motor Training Enhances Behavioral Recovery After a Focal Cortical Infarct in Rats. <i>Stroke</i> , 2010, 41, 544-549.	2.0	88
9	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
10	Impaired meningeal lymphatic vessel development worsens stroke outcome. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 263-275.	4.3	84
11	B cells migrate into remote brain areas and support neurogenesis and functional recovery after focal stroke in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4983-4993.	7.1	83
12	Adaptive Plasticity in Primate Motor Cortex as a Consequence of Behavioral Experience and Neuronal Injury. <i>Seminars in Neuroscience</i> , 1997, 9, 13-23.	2.2	72
13	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
14	Ipsilateral connections of the ventral premotor cortex in a new world primate. <i>Journal of Comparative Neurology</i> , 2006, 495, 374-390.	1.6	66
15	Somatosensory and motor representations in cerebral cortex of a primitive mammal (<i>Monodelphis</i>) Tj ETQq1 1 0.784314 rgBT ₆₁ /Overlock		
16	Topographically Divergent and Convergent Connectivity between Premotor and Primary Motor Cortex. <i>Cerebral Cortex</i> , 2006, 16, 1057-1068.	2.9	61
17	A Squirrel Monkey Model of Poststroke Motor Recovery. <i>ILAR Journal</i> , 2003, 44, 161-174.	1.8	58
18	Repetitive hypoxic preconditioning induces an immunosuppressed B cell phenotype during endogenous protection from stroke. <i>Journal of Neuroinflammation</i> , 2014, 11, 22.	7.2	54

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19	VEGF Protein Associates to Neurons in Remote Regions following Cortical Infarct. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 76-85.	4.3	53
20	Dissociation of Sensorimotor Deficits After Rostral Versus Caudal Lesions in the Primary Motor Cortex Hand Representation. <i>Journal of Neurophysiology</i> , 2005, 94, 1312-1324.	1.8	46
21	Control of cerebral ischemia with magnetic nanoparticles. <i>Nature Methods</i> , 2017, 14, 160-166.	19.0	43
22	A Single Injection of d-Amphetamine Facilitates Improvements in Motor Training Following a Focal Cortical Infarct in Squirrel Monkeys. <i>Neurorehabilitation and Neural Repair</i> , 2006, 20, 455-458.	2.9	38
23	Distal forelimb representations in primary motor cortex are redistributed after forelimb restriction: a longitudinal study in adult squirrel monkeys. <i>Journal of Neurophysiology</i> , 2013, 109, 1268-1282.	1.8	38
24	Preconditioning-induced CXCL12 upregulation minimizes leukocyte infiltration after stroke in ischemia-tolerant mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 801-813.	4.3	37
25	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
26	Involvement of aberrant cyclin-dependent kinase 5/p25 activity in experimental traumatic brain injury. <i>Journal of Neurochemistry</i> , 2016, 138, 317-327.	3.9	27
27	Delayed diapedesis of CD8 T cells contributes to long-term pathology after ischemic stroke in male mice. <i>Brain, Behavior, and Immunity</i> , 2021, 95, 502-513.	4.1	26
28	Selective Nonnuclear Estrogen Receptor Activation Decreases Stroke Severity and Promotes Functional Recovery in Female Mice. <i>Endocrinology</i> , 2018, 159, 3848-3859.	2.8	25
29	A stretch reflex in extraocular muscles of species purportedly lacking muscle spindles. <i>Experimental Brain Research</i> , 2007, 180, 15-21.	1.5	21
30	Effects of a Rostral Motor Cortex Lesion on Primary Motor Cortex Hand Representation Topography in Primates. <i>Neurorehabilitation and Neural Repair</i> , 2007, 21, 51-61.	2.9	20
31	Visualization and Quantification of Post-stroke Neural Connectivity and Neuroinflammation Using Serial Two-Photon Tomography in the Whole Mouse Brain. <i>Frontiers in Neuroscience</i> , 2019, 13, 1055.	2.8	20
32	Factors Contributing to Motor Impairment and Recovery after Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2000, 14, 301-310.	2.9	18
33	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
34	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
35	Loss of Piccolo Function in Rats Induces Cerebellar Network Dysfunction and Pontocerebellar Hypoplasia Type 3-like Phenotypes. <i>Journal of Neuroscience</i> , 2020, 40, 2943-2959.	3.6	12
36	Quantification of Neurovascular Protection Following Repetitive Hypoxic Preconditioning and Transient Middle Cerebral Artery Occlusion in Mice. <i>Journal of Visualized Experiments</i> , 2015, , e52675.	0.3	9

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37	A novel device to measure power grip forces in squirrel monkeys. Journal of Neuroscience Methods, 2009, 179, 264-270.	2.5	7
38	Physiologic Reelin does not play a strong role in protection against acute stroke. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1295-1303.	4.3	7
39	Neural Plasticity And Functional Recovery Following Cortical Ischemic Injury. , 2005, 2005, 4145-8.		5
40	Reorganization of Ventral Premotor Cortex After Ischemic Brain Injury: Effects of Forced Use. Neurorehabilitation and Neural Repair, 2022, , 154596832211016.	2.9	2
41	Abstract TP107: B cells Migrate to Remote Areas Supporting Functional Recovery After Stroke. Stroke, 2018, 49, .	2.0	0
42	Abstract WP145: Modulating Astrogliosis to Promote Neuroprotection and Plasticity After Stroke. Stroke, 2019, 50, .	2.0	0
43	Abstract 131: Delayed Egress of CD8 T Cells Contributes to Long-Term Pathology After Ischemic Stroke in Mice. Stroke, 2019, 50, .	2.0	0