Stella Elkabes

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8862855/publications.pdf

Version: 2024-02-01

58 papers	2,698 citations	201674 27 h-index	182427 51 g-index
59 all docs	59 docs citations	59 times ranked	3393 citing authors

#	Article	IF	Citations
1	Brain microglia/macrophages express neurotrophins that selectively regulate microglial proliferation and function. Journal of Neuroscience, 1996, 16, 2508-2521.	3.6	607
2	Role of astroglial toll-like receptors (TLRs) in central nervous system infections, injury and neurodegenerative diseases. Brain, Behavior, and Immunity, 2021, 91, 740-755.	4.1	143
3	Beneficial effect of erythropoietin on experimental allergic encephalomyelitis. Annals of Neurology, 2004, 56, 767-777.	5.3	104
4	Glutamate carboxypeptidase II is expressed by astrocytes in the adult rat nervous system. Journal of Comparative Neurology, 1999, 415, 52-64.	1.6	101
5	Plasma membrane calcium ATPase deficiency causes neuronal pathology in the spinal cord: a potential mechanism for neurodegeneration in multiple sclerosis and spinal cord injury. FASEB Journal, 2005, 19, 1-19.	0.5	84
6	Regulation of gene expression in experimental autoimmune encephalomyelitis indicates early neuronal dysfunction. Brain, 2003, 126, 398-412.	7.6	81
7	Protein kinase C activity, translocation, and conventional isoforms in aging rat brain. Neurobiology of Aging, 1995, 16, 137-148.	3.1	78
8	Optimized proteomic analysis of a mouse model of cerebellar dysfunction using amine-specific isobaric tags. Proteomics, 2006, 6, 4321-4334.	2.2	77
9	Toll-like receptors in central nervous system injury and disease: A focus on the spinal cord. Brain, Behavior, and Immunity, 2014, 42, 232-245.	4.1	77
10	Lipopolysaccharide differentially regulates microglial trk receptor and neurotrophin expression. Journal of Neuroscience Research, 1998, 54, 117-122.	2.9	76
11	Maternal immune stimulation during pregnancy shapes the immunological phenotype of offspring. Brain, Behavior, and Immunity, 2013, 33, 33-45.	4.1	69
12	Sex steroids and neuroprotection in spinal cord injury: A review of preclinical investigations. Experimental Neurology, 2014, 259, 28-37.	4.1	69
13	Contribution of astrocytes to neuropathology of neurodegenerative diseases. Brain Research, 2021, 1758, 147291.	2.2	62
14	Identification of Differentially Expressed Proteins in Experimental Autoimmune Encephalomyelitis (EAE) by Proteomic Analysis of the Spinal Cord. Journal of Proteome Research, 2007, 6, 2565-2575.	3.7	60
15	Embryonic sensory development: Local expression of neurotrophin-3 and target expression of nerve growth factor. Journal of Comparative Neurology, 1994, 341, 204-213.	1.6	59
16	Chronic tissue response to untethered microelectrode implants in the rat brain and spinal cord. Journal of Neural Engineering, 2015, 12, 016019.	3.5	57
17	Stress persistently increases NMDA receptor-mediated binding of [3H]PDBu (a marker for protein) Tj ETQq1 1 0.784314 rgBT /Overlo Research, 1997, 750, 293-300.	2.2	52
18	Toll-like receptor 4 enhancement of non-NMDA synaptic currents increases dentate excitability after brain injury. Neurobiology of Disease, 2015, 74, 240-253.	4.4	49

#	Article	IF	Citations
19	Regulation of Protein Kinase C Activity by Sensory Deprivation in the Olfactory and Visual Systems. Journal of Neurochemistry, 1993, 60, 1835-1842.	3.9	46
20	Molecular alterations in the cerebellum of the plasma membrane calcium ATPase 2 (PMCA2)-null mouse indicate abnormalities in Purkinje neurons. Molecular and Cellular Neurosciences, 2007, 34, 178-188.	2.2	46
21	Reduced expression of plasma membrane calcium ATPase 2 and collapsin response mediator protein 1 promotes death of spinal cord neurons. Cell Death and Differentiation, 2010, 17, 1501-1510.	11.2	40
22	A toll-like receptor 9 antagonist reduces pain hypersensitivity and the inflammatory response in spinal cord injury. Neurobiology of Disease, 2013, 54, 194-205.	4.4	38
23	Tollâ€like Receptor 4 Signaling in Neurons Enhances Calciumâ€Permeable AMPA Receptor Currents and Drives Postâ€Traumatic Epileptogenesis. Annals of Neurology, 2020, 87, 497-515.	5.3	36
24	Evidence for the presence of N-acetylaspartylglutamate in cultured oligodendrocytes and LPS activated microglia. Brain Research, 1998, 794, 143-145.	2.2	32
25	Dysfunction in amygdalaâ€“prefrontal plasticity and extinction-resistant avoidance: A model for anxiety disorder vulnerability. Experimental Neurology, 2016, 275, 59-68.	4.1	31
26	Temporal pattern of plasma membrane calcium ATPaseâ€ƒ2 expression in the spinal cord correlates with the course of clinical symptoms in two rodent models of autoimmune encephalomyelitis. European Journal of Neuroscience, 2005, 21, 2660-2670.	2.6	30
27	Mechanisms of neuronal damage in multiple sclerosis and its animal models: role of calcium pumps and exchangers. Biochemical Society Transactions, 2007, 35, 923-926.	3.4	30
28	Post-Translational Modifications in the Rat Lumbar Spinal Cord in Experimental Autoimmune Encephalomyelitis. Journal of Proteome Research, 2007, 6, 2786-2791.	3.7	29
29	Delayed activation of human microglial cells by high dose ionizing radiation. Brain Research, 2016, 1646, 193-198.	2.2	29
30	Altered proteolytic events in experimental autoimmune encephalomyelitis discovered by iTRAQ shotgun proteomics analysis of spinal cord. Proteome Science, 2009, 7, 25.	1.7	27
31	Proteomic Identification of Immunoproteasome Accumulation in Formalin-Fixed Rodent Spinal Cords with Experimental Autoimmune Encephalomyelitis. Journal of Proteome Research, 2012, 11, 1791-1803.	3.7	27
32	Toll like receptor 9 antagonism modulates spinal cord neuronal function and survival: Direct versus astrocyte-mediated mechanisms. Brain, Behavior, and Immunity, 2016, 56, 310-324.	4.1	27
33	Effects of early surgical decompression on functional and histological outcomes after severe experimental thoracic spinal cord injury. Journal of Neurosurgery: Spine, 2017, 26, 62-75.	1.7	27
34	Amyotrophic lateral sclerosis: Protein chaperone dysfunction revealed by proteomic studies of animal models. Proteomics - Clinical Applications, 2008, 2, 670-684.	1.6	22
35	Toll-like receptor 9 deficiency impacts sensory and motor behaviors. Brain, Behavior, and Immunity, 2013, 32, 164-172.	4.1	22
36	Differential Involvement of Metabotropic and p75 Neurotrophin Receptors in Effects of Nerve Growth Factor and Neurotrophinâ€3 on Cultured Purkinje Cell Survival. Journal of Neurochemistry, 1998, 70, 1045-1053.	3.9	21

#	Article	IF	Citations
37	Astroglial TLR9 antagonism promotes chemotaxis and alternative activation of macrophages via modulation of astrocyte-derived signals: implications for spinal cord injury. Journal of Neuroinflammation, 2020, 17, 73.	7.2	20
38	Toll-like receptor 9 antagonism modulates astrocyte function and preserves proximal axons following spinal cord injury. Brain, Behavior, and Immunity, 2019, 80, 328-343.	4.1	19
39	A Toll-Like Receptor 9 Antagonist Improves Bladder Function and White Matter Sparing in Spinal Cord Injury. Journal of Neurotrauma, 2014, 31, 1800-1806.	3.4	17
40	Roles of neuronal toll-like receptors in neuropathic pain and central nervous system injuries and diseases. Brain, Behavior, and Immunity, 2022, 102, 163-178.	4.1	17
41	Reductions in motor unit number estimates (MUNE) precede motor neuron loss in the plasma membrane calcium ATPase 2 (PMCA2)-heterozygous mice. Experimental Neurology, 2008, 214, 341-346.	4.1	15
42	A link between plasma membrane calcium ATPase 2 (PMCA2), estrogen and estrogen receptor Î± signaling in mechanical pain. Scientific Reports, 2018, 8, 17260.	3.3	15
43	Pathological pain processing in mouse models of multiple sclerosis and spinal cord injury: contribution of plasma membrane calcium ATPase 2 (PMCA2). Journal of Neuroinflammation, 2019, 16, 207.	7.2	14
44	The identification of a novel cDNA preferentially expressed in the olfactory-limbic system of the adult rat. Brain Research, 1996, 721, 217-228.	2.2	13
45	Purkinje cell dysfunction and delayed death in plasma membrane calcium ATPase 2-heterozygous mice. Molecular and Cellular Neurosciences, 2012, 51, 22-31.	2.2	12
46	Impaired sensitivity to pain stimuli in plasma membrane calcium ATPase 2 (PMCA2) heterozygous mice: a possible modalityâ€•and sexâ€specific role for PMCA2 in nociception. FASEB Journal, 2017, 31, 224-237.	0.5	12
47	A toll-like receptor 9 antagonist restores below-level glial glutamate transporter expression in the dorsal horn following spinal cord injury. Scientific Reports, 2018, 8, 8723.	3.3	12
48	Neuropathic Pain in Multiple Sclerosis and Its Animal Models: Focus on Mechanisms, Knowledge Gaps and Future Directions. Frontiers in Neurology, 2021, 12, 793745.	2.4	12
49	Proteomic strategies in multiple sclerosis and its animal models. Proteomics - Clinical Applications, 2007, 1, 1393-1405.	1.6	11
50	Supraspinal Sensorimotor and Pain-Related Reorganization after a Hemicontusion Rat Cervical Spinal Cord Injury. Journal of Neurotrauma, 2021, 38, 3393-3405.	3.4	8
51	Role of plasma membrane calcium ATPase 2 in spinal cord pathology. World Journal of Biological Chemistry, 2010, 1, 103.	4.3	7
52	Gene expression in activated brain microglia: identification of a proteinase inhibitor that increases microglial cell number. Molecular Brain Research, 1998, 56, 99-107.	2.3	6
53	Role of Plasma Membrane Calcium ATPase Isoform 2 in Neuronal Function in the Cerebellum and Spinal Cord. Annals of the New York Academy of Sciences, 2007, 1099, 287-291.	3.8	6
54	Contribution of Plasma Membrane Calcium ATPases to neuronal maladaptive responses: Focus on spinal nociceptive mechanisms and neurodegeneration. Neuroscience Letters, 2018, 663, 60-65.	2.1	6

#	Article	IF	Citations
55	Association Between Magnetic Resonance Imaging-Based Spinal Morphometry and Sensorimotor Behavior in a Hemicontusion Model of Incomplete Cervical Spinal Cord Injury in Rats. Brain Connectivity, 2020, 10, 479-489.	1.7	5
56	Degradation of Luteinizing Hormone-Releasing Hormone by Rat Pituitary Plasma Membrane Associated Enzymes. , 1984, , 115-126.		4
57	Pro-Inflammatory Phenotype Induced by Maternal Immune Stimulation During Pregnancy. , 2013, , .		2
58	Innate immune responses of glia and inflammatory cells in spinal cord injury. , 2022, , 153-164.		0