Joe E Springer

List of Publications by Year
in descending order

66 papers	4,252 citations	147801 31 h-index	123424 61 g-index
67 all docs	67 docs citations	67 times ranked	4034 citing authors

#	Article	IF	Citations
1	Sex-Specific Alterations in Inflammatory MicroRNAs in Mouse Brain and Bone Marrow CD11b+â€‰Cells Following Traumatic Brain Injury. Cellular and Molecular Neurobiology, 2023, 43, 423-429.	3.3	4
2	Temporal changes in inflammatory mitochondria-enriched microRNAs following traumatic brain injury and effects of miR-146a nanoparticle delivery. Neural Regeneration Research, 2021, 16, 514.	3.0	20
3	A Highly Predictive MicroRNA Panel for Determining Delayed Cerebral Vasospasm Risk Following Aneurysmal Subarachnoid Hemorrhage. Frontiers in Molecular Biosciences, 2021, 8, 657258.	3.5	7
4	MicroRNAs as Biomarkers for Predicting Complications following Aneurysmal Subarachnoid Hemorrhage. International Journal of Molecular Sciences, 2021, 22, 9492.	4.1	11
5	The Mitochondria-Associated ER Membranes Are Novel Subcellular Locations Enriched for Inflammatory-Responsive MicroRNAs. Molecular Neurobiology, 2020, 57, 2996-3013.	4.0	19
6	Modulating the immune response with liposomal delivery. , 2020, , 159-211.		2
7	Methodology for Subcellular Fractionation and MicroRNA Examination of Mitochondria, Mitochondria Associated ER Membrane (MAM), ER, and Cytosol from Human Brain. Methods in Molecular Biology, 2020, 2063, 139-154.	0.9	5
8	Enforced lysosomal biogenesis rescues erythromycin- and clindamycin-induced mitochondria-mediated cell death in human cells. Molecular and Cellular Biochemistry, 2019, 461, 23-36.	3.1	10
9	Fractionated mitochondrial magnetic separation for isolation of synaptic mitochondria from brain tissue. Scientific Reports, 2019, 9, 9656.	3.3	32
10	Post-Injury Treatment with NIM811 Promotes Recovery of Function in Adult Female Rats after Spinal Cord Contusion: A Dose-Response Study. Journal of Neurotrauma, 2018, 35, 492-499.	3.4	24
11	Re: Aerobic Exercise Combined with Noninvasive Positive Pressure Ventilation Increases Serum Brainâ€Derived Neurotrophic Factor in Healthy Males by Kawazu etâ€‰al. PM and R, 2018, 10, 988-988.	1.6	0
12	Targeting the mitochondrial permeability transition pore in traumatic central nervous system injury. Neural Regeneration Research, 2018, 13, 1338.	3.0	27
13	Mitochondria and microRNA crosstalk in traumatic brain injury. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2017, 73, 104-108.	4.8	19
14	Altered Cerebellar Circuitry following Thoracic Spinal Cord Injury in Adult Rats. Neural Plasticity, 2016, 2016, 1-5.	2.2	15
15	Increased Incidence of Spinal Abscess and Substance Abuse after Implementation of State Mandated Prescription Drug Legislation. Pain Medicine, 2015, 16, 2031-2035.	1.9	6
16	Mitochondria-associated microRNAs in rat hippocampus following traumatic brain injury. Experimental Neurology, 2015, 265, 84-93.	4.1	127
17	Role of mitochondria in regulating microRNA activity and its relevance to the central nervous system. Neural Regeneration Research, 2015, 10, 1026.	3.0	17
18	Differential Proteomic Analysis of Acute Contusive Spinal Cord Injury in Rats Using iTRAQ Reagent Labeling and LCâ€"MS/MS. Neurochemical Research, 2013, 38, 2247-2255.	3.3	7

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19	Antioxidant properties of Neu2000 on mitochondrial free radicals and oxidative damage. Toxicology in Vitro, 2013, 27, 788-797.	2.4	22
20	Concurrent blockade of free radical and microsomal prostaglandin E synthaseâ€1â€mediated PGE₂ production improves safety and efficacy in a mouse model of amyotrophic lateral sclerosis. Journal of Neurochemistry, 2012, 122, 952-961.	3.9	34
21	Pharmacological interventions for spinal cord injury: Where do we stand? How might we step forward?. , 2011, 132, 15-29.		80
22	Blood-derived iron mediates free radical production and neuronal death in the hippocampal CA1 area following transient forebrain ischemia in rat. Acta Neuropathologica, 2011, 121, 459-473.	7.7	71
23	Targeting Mitochondrial Function for the Treatment of Acute Spinal Cord Injury. Neurotherapeutics, 2011, 8, 168-179.	4.4	98
24	AAD-2004, a potent spin trapping molecule and microsomal prostaglandin E synthase-1 inhibitor, shows safety and efficacy in a mouse model of ALS. Nature Precedings, 2010, , .	0.1	1
25	Proteomic and Phosphoproteomic Analyses of the Soluble Fraction following Acute Spinal Cord Contusion in Rats. Journal of Neurotrauma, 2010, 27, 263-274.	3.4	27
26	The Functional and Neuroprotective Actions of Neu2000, a Dual-Acting Pharmacological Agent, in the Treatment of Acute Spinal Cord Injury. Journal of Neurotrauma, 2010, 27, 139-149.	3.4	32
27	Neuroproteomic Methods in Spinal Cord Injury. Methods in Molecular Biology, 2009, 566, 57-67.	0.9	6
28	Pretreatment with the Cyclosporin Derivative, NIM811, Improves the Function of Synaptic Mitochondria following Spinal Cord Contusion in Rats. Journal of Neurotrauma, 2007, 24, 613-624.	3.4	60
29	Post-Treatment with the Cyclosporin Derivative, NIM811, Reduced Indices of Cell Death and Increased the Volume of Spared Tissue in the Acute Period following Spinal Cord Contusion. Journal of Neurotrauma, 2007, 24, 1618-1630.	3.4	35
30	Quantification of Locomotor Recovery following Spinal Cord Contusion in Adult Rats. Journal of Neurotrauma, 2006, 23, 1632-1653.	3.4	46
31	A Mapping Study of Caspase-3 Activation Following Acute Spinal Cord Contusion in Rats. Journal of Histochemistry and Cytochemistry, 2005, 53, 809-819.	2.5	50
32	Mitochondrial Uncoupling as a Therapeutic Target Following Neuronal Injury. Journal of Bioenergetics and Biomembranes, 2004, 36, 353-356.	2.3	113
33	Overexpression of XIAP Inhibits Apoptotic Cell Death in an Oligodendroglial Cell Line. Cellular and Molecular Neurobiology, 2004, 24, 853-863.	3.3	6
34	Neuroprotection and acute spinal cord injury: A reappraisal. NeuroRx, 2004, 1, 80-100.	6.0	344
35	The Mitochondrial Uncoupling Agent 2,4-Dinitrophenol Improves Mitochondrial Function, Attenuates Oxidative Damage, and Increases White Matter Sparing in the Contused Spinal Cord. Journal of Neurotrauma, 2004, 21, 1396-1404.	3.4	57
36	Neuroprotection and acute spinal cord injury: A reappraisal. Neurotherapeutics, 2004, 1, 80-100.	4.4	0

#	Article	IF	Citations
37	Temporal and spatial distribution of activated caspase-3 after subdural kainic acid infusions in rat spinal cord. Journal of Comparative Neurology, 2003, 464, 463-471.	1.6	26
38	Assessment of the relative contribution of COXâ€1 and COXâ€2 isoforms to ischemiaâ€induced oxidative damage and neurodegeneration following transient global cerebral ischemia. Journal of Neurochemistry, 2003, 86, 545-555.	3.9	171
39	Nicotine Attenuates Arachidonic Acid-Induced Apoptosis of Spinal Cord Neurons by Preventing Depletion of Neurotrophic Factors. Journal of Neurotrauma, 2003, 20, 1201-1213.	3.4	25
40	NBQX Treatment Improves Mitochondrial Function and Reduces Oxidative Events after Spinal Cord Injury. Journal of Neurotrauma, 2002, 19, 917-927.	3.4	26
41	Prolonged survival and decreased abnormal movements in transgenic model of Huntington disease, with administration of the transglutaminase inhibitor cystamine. Nature Medicine, 2002, 8, 143-149.	30.7	372
42	Apoptotic Cell Death Following Traumatic Injury to the Central Nervous System. BMB Reports, 2002, 35, 94-105.	2.4	56
43	Caspase-3 Apoptotic Signaling Following Injury to the Central Nervous System. Clinical Chemistry and Laboratory Medicine, 2001, 39, 299-307.	2.3	53
44	Calcineurin-Mediated BAD Dephosphorylation Activates the Caspase-3 Apoptotic Cascade in Traumatic Spinal Cord Injury. Journal of Neuroscience, 2000, 20, 7246-7251.	3.6	180
45	Riluzole improves measures of oxidative stress following traumatic spinal cord injury. Brain Research, 2000, 870, 66-72.	2.2	71
46	Riluzole and Methylprednisolone Combined Treatment Improves Functional Recovery in Traumatic Spinal Cord Injury. Journal of Neurotrauma, 2000, 17, 773-780.	3.4	79
47	Activation of the caspase-3 apoptotic cascade in traumatic spinal cord injury. Nature Medicine, 1999, 5, 943-946.	30.7	412
48	BDNF and NT4/5 promote survival and neurite outgrowth of pontocerebellar mossy fiber neurons. Journal of Neurobiology, 1999, 40, 254-269.	3.6	39
49	Localization of glial cell line-derived neurotrophic factor receptor alpha and c-ret mRNA in rat central nervous system. , 1998, 391, 42-49.		106
50	Impaired mitochondrial function, oxidative stress and altered antioxidant enzyme activities following traumatic spinal cord injury. Brain Research, 1997, 765, 283-290.	2.2	285
51	Rapid Calpain I Activation and Cytoskeletal Protein Degradation Following Traumatic Spinal Cord Injury: Attenuation with Riluzole Pretreatment. Journal of Neurochemistry, 1997, 69, 1592-1600.	3.9	130
52	4â€Hydroxynonenal, a Lipid Peroxidation Product, Rapidly Accumulates Following Traumatic Spinal Cord Injury and Inhibits Glutamate Uptake. Journal of Neurochemistry, 1997, 68, 2469-2476.	3.9	179
53	Neurotrophic factor mRNA expression in dentate gyrus is increased following angular bundle transection. Brain Research, 1994, 647, 23-29.	2.2	40
54	Neurotrophic factor mRNA expression in dentate gyrus is increased following in vivo stimulation of the angular bundle. Molecular Brain Research, 1994, 23, 135-143.	2.3	58

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55	Spinal cord motoneurons express p75NGFR and p145trkB mRNA in amyotrophic lateral sclerosis. Brain Research, 1993, 621, 111-115.	2.2	95
56	Activation of NMDA receptors increases brain-derived neurotrophic factor (BDNF) mRNA expression in the hippocampal formation. NeuroReport, 1993, 5, 125-128.	1.2	68
57	The use of hollow polymer fibers for the delivery of bioactive molecules to the brain. Neurobiology of Aging, 1989, 10, 640-641.	3.1	5
58	Chapter 52 Central nervous system grafts of nerve growth factor-rich tissue as an alternative source of trophic support for axotomized cholinergic neurons. Progress in Brain Research, 1988, 78, 401-407.	1.4	14
59	Regional analysis of age-related changes in the cholinergic system of the hippocampal formation and basal forebrain of the rat. Brain Research, 1987, 407, 180-184.	2.2	93
60	Intrahippocampal injections of antiserum to nerve growth factor inhibit sympathohippocampal sprouting. Brain Research Bulletin, 1985, 15, 629-634.	3.0	70
61	Suppression of corticosterone synthesis alters the behavior of hippocampally lesioned rats. Behavioral and Neural Biology, 1985, 44, 47-59.	2.2	9
62	Differentiation of basal ganglia dopaminergic involvement in behavior after hippocampectomy. Brain Research, 1984, 291, 83-91.	2.2	27
63	Dopamine depletion in nucleus accumbens reduces ACTH1â€“24-induced excessive grooming. Life Sciences, 1983, 33, 207-211.	4.3	16
64	Catecholamine alterations in basal ganglia after hippocampal lesions. Brain Research, 1982, 252, 185-188.	2.2	73
65	Changes in dopamine and DOPAC following systemic administration of apomorphine and 3,4-dihydroxyphenylamino-2-imidazoline (DPI) in rats. Brain Research, 1981, 220, 226-230.	2.2	15
66	Behavioral assessment of norepinephrine and serotonin function and interaction in the hippocampal formation. Pharmacology Biochemistry and Behavior, 1981, 14, 815-821.	2.9	25