

Joe E Springer

List of Publications by Year in descending order

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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	Activation of the caspase-3 apoptotic cascade in traumatic spinal cord injury. <i>Nature Medicine</i> , 1999, 5, 943-946.	30.7	412
2	Prolonged survival and decreased abnormal movements in transgenic model of Huntington disease, with administration of the transglutaminase inhibitor cystamine. <i>Nature Medicine</i> , 2002, 8, 143-149.	30.7	372
3	Neuroprotection and acute spinal cord injury: A reappraisal. <i>NeuroRx</i> , 2004, 1, 80-100.	6.0	344
4	Impaired mitochondrial function, oxidative stress and altered antioxidant enzyme activities following traumatic spinal cord injury. <i>Brain Research</i> , 1997, 765, 283-290.	2.2	285
5	Calcineurin-Mediated BAD Dephosphorylation Activates the Caspase-3 Apoptotic Cascade in Traumatic Spinal Cord Injury. <i>Journal of Neuroscience</i> , 2000, 20, 7246-7251.	3.6	180
6	4-Hydroxynonenal, a Lipid Peroxidation Product, Rapidly Accumulates Following Traumatic Spinal Cord Injury and Inhibits Glutamate Uptake. <i>Journal of Neurochemistry</i> , 1997, 68, 2469-2476.	3.9	179
7	Assessment of the relative contribution of COX-1 and COX-2 isoforms to ischemia-induced oxidative damage and neurodegeneration following transient global cerebral ischemia. <i>Journal of Neurochemistry</i> , 2003, 86, 545-555.	3.9	171
8	Rapid Calpain I Activation and Cytoskeletal Protein Degradation Following Traumatic Spinal Cord Injury: Attenuation with Riluzole Pretreatment. <i>Journal of Neurochemistry</i> , 1997, 69, 1592-1600.	3.9	130
9	Mitochondria-associated microRNAs in rat hippocampus following traumatic brain injury. <i>Experimental Neurology</i> , 2015, 265, 84-93.	4.1	127
10	Mitochondrial Uncoupling as a Therapeutic Target Following Neuronal Injury. <i>Journal of Bioenergetics and Biomembranes</i> , 2004, 36, 353-356.	2.3	113
11	Localization of glial cell line-derived neurotrophic factor receptor alpha and c-ret mRNA in rat central nervous system. , 1998, 391, 42-49.		106
12	Targeting Mitochondrial Function for the Treatment of Acute Spinal Cord Injury. <i>Neurotherapeutics</i> , 2011, 8, 168-179.	4.4	98
13	Spinal cord motoneurons express p75NGFR and p145trkB mRNA in amyotrophic lateral sclerosis. <i>Brain Research</i> , 1993, 621, 111-115.	2.2	95
14	Regional analysis of age-related changes in the cholinergic system of the hippocampal formation and basal forebrain of the rat. <i>Brain Research</i> , 1987, 407, 180-184.	2.2	93
15	Pharmacological interventions for spinal cord injury: Where do we stand? How might we step forward?. , 2011, 132, 15-29.		80
16	Riluzole and Methylprednisolone Combined Treatment Improves Functional Recovery in Traumatic Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2000, 17, 773-780.	3.4	79
17	Catecholamine alterations in basal ganglia after hippocampal lesions. <i>Brain Research</i> , 1982, 252, 185-188.	2.2	73
18	Riluzole improves measures of oxidative stress following traumatic spinal cord injury. <i>Brain Research</i> , 2000, 870, 66-72.	2.2	71

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19	Blood-derived iron mediates free radical production and neuronal death in the hippocampal CA1 area following transient forebrain ischemia in rat. <i>Acta Neuropathologica</i> , 2011, 121, 459-473.	7.7	71
20	Intrahippocampal injections of antiserum to nerve growth factor inhibit sympathohippocampal sprouting. <i>Brain Research Bulletin</i> , 1985, 15, 629-634.	3.0	70
21	Activation of NMDA receptors increases brain-derived neurotrophic factor (BDNF) mRNA expression in the hippocampal formation. <i>NeuroReport</i> , 1993, 5, 125-128.	1.2	68
22	Pretreatment with the Cyclosporin Derivative, NIM811, Improves the Function of Synaptic Mitochondria following Spinal Cord Contusion in Rats. <i>Journal of Neurotrauma</i> , 2007, 24, 613-624.	3.4	60
23	Neurotrophic factor mRNA expression in dentate gyrus is increased following in vivo stimulation of the angular bundle. <i>Molecular Brain Research</i> , 1994, 23, 135-143.	2.3	58
24	The Mitochondrial Uncoupling Agent 2,4-Dinitrophenol Improves Mitochondrial Function, Attenuates Oxidative Damage, and Increases White Matter Sparing in the Contused Spinal Cord. <i>Journal of Neurotrauma</i> , 2004, 21, 1396-1404.	3.4	57
25	Apoptotic Cell Death Following Traumatic Injury to the Central Nervous System. <i>BMB Reports</i> , 2002, 35, 94-105.	2.4	56
26	Caspase-3 Apoptotic Signaling Following Injury to the Central Nervous System. <i>Clinical Chemistry and Laboratory Medicine</i> , 2001, 39, 299-307.	2.3	53
27	A Mapping Study of Caspase-3 Activation Following Acute Spinal Cord Contusion in Rats. <i>Journal of Histochemistry and Cytochemistry</i> , 2005, 53, 809-819.	2.5	50
28	Quantification of Locomotor Recovery following Spinal Cord Contusion in Adult Rats. <i>Journal of Neurotrauma</i> , 2006, 23, 1632-1653.	3.4	46
29	Neurotrophic factor mRNA expression in dentate gyrus is increased following angular bundle transection. <i>Brain Research</i> , 1994, 647, 23-29.	2.2	40
30	BDNF and NT4/5 promote survival and neurite outgrowth of pontocerebellar mossy fiber neurons. <i>Journal of Neurobiology</i> , 1999, 40, 254-269.	3.6	39
31	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. <i>Journal of Neurotrauma</i> , 2007, 24, 1618-1630.	3.4	35
32	Concurrent blockade of free radical and microsomal prostaglandin E synthase ₁ -mediated PGE ₂ production improves safety and efficacy in a mouse model of amyotrophic lateral sclerosis. <i>Journal of Neurochemistry</i> , 2012, 122, 952-961.	3.9	34
33	The Functional and Neuroprotective Actions of Neu2000, a Dual-Acting Pharmacological Agent, in the Treatment of Acute Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2010, 27, 139-149.	3.4	32
34	Fractionated mitochondrial magnetic separation for isolation of synaptic mitochondria from brain tissue. <i>Scientific Reports</i> , 2019, 9, 9656.	3.3	32
35	Differentiation of basal ganglia dopaminergic involvement in behavior after hippocampectomy. <i>Brain Research</i> , 1984, 291, 83-91.	2.2	27
36	Proteomic and Phosphoproteomic Analyses of the Soluble Fraction following Acute Spinal Cord Contusion in Rats. <i>Journal of Neurotrauma</i> , 2010, 27, 263-274.	3.4	27

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37	Targeting the mitochondrial permeability transition pore in traumatic central nervous system injury. <i>Neural Regeneration Research</i> , 2018, 13, 1338.	3.0	27
38	NBQX Treatment Improves Mitochondrial Function and Reduces Oxidative Events after Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2002, 19, 917-927.	3.4	26
39	Temporal and spatial distribution of activated caspase-3 after subdural kainic acid infusions in rat spinal cord. <i>Journal of Comparative Neurology</i> , 2003, 464, 463-471.	1.6	26
40	Behavioral assessment of norepinephrine and serotonin function and interaction in the hippocampal formation. <i>Pharmacology Biochemistry and Behavior</i> , 1981, 14, 815-821.	2.9	25
41	Nicotine Attenuates Arachidonic Acid-Induced Apoptosis of Spinal Cord Neurons by Preventing Depletion of Neurotrophic Factors. <i>Journal of Neurotrauma</i> , 2003, 20, 1201-1213.	3.4	25
42	Post-Injury Treatment with NIM811 Promotes Recovery of Function in Adult Female Rats after Spinal Cord Contusion: A Dose-Response Study. <i>Journal of Neurotrauma</i> , 2018, 35, 492-499.	3.4	24
43	Antioxidant properties of Neu2000 on mitochondrial free radicals and oxidative damage. <i>Toxicology in Vitro</i> , 2013, 27, 788-797.	2.4	22
44	Temporal changes in inflammatory mitochondria-enriched microRNAs following traumatic brain injury and effects of miR-146a nanoparticle delivery. <i>Neural Regeneration Research</i> , 2021, 16, 514.	3.0	20
45	Mitochondria and microRNA crosstalk in traumatic brain injury. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017, 73, 104-108.	4.8	19
46	The Mitochondria-Associated ER Membranes Are Novel Subcellular Locations Enriched for Inflammatory-Responsive MicroRNAs. <i>Molecular Neurobiology</i> , 2020, 57, 2996-3013.	4.0	19
47	Role of mitochondria in regulating microRNA activity and its relevance to the central nervous system. <i>Neural Regeneration Research</i> , 2015, 10, 1026.	3.0	17
48	Dopamine depletion in nucleus accumbens reduces ACTH1-24-induced excessive grooming. <i>Life Sciences</i> , 1983, 33, 207-211.	4.3	16
49	Changes in dopamine and DOPAC following systemic administration of apomorphine and 3,4-dihydroxyphenylamino-2-imidazoline (DPI) in rats. <i>Brain Research</i> , 1981, 220, 226-230.	2.2	15
50	Altered Cerebellar Circuitry following Thoracic Spinal Cord Injury in Adult Rats. <i>Neural Plasticity</i> , 2016, 2016, 1-5.	2.2	15
51	Chapter 52 Central nervous system grafts of nerve growth factor-rich tissue as an alternative source of trophic support for axotomized cholinergic neurons. <i>Progress in Brain Research</i> , 1988, 78, 401-407.	1.4	14
52	MicroRNAs as Biomarkers for Predicting Complications following Aneurysmal Subarachnoid Hemorrhage. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9492.	4.1	11
53	Enforced lysosomal biogenesis rescues erythromycin- and clindamycin-induced mitochondria-mediated cell death in human cells. <i>Molecular and Cellular Biochemistry</i> , 2019, 461, 23-36.	3.1	10
54	Suppression of corticosterone synthesis alters the behavior of hippocampally lesioned rats. <i>Behavioral and Neural Biology</i> , 1985, 44, 47-59.	2.2	9

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55	Differential Proteomic Analysis of Acute Contusive Spinal Cord Injury in Rats Using iTRAQ Reagent Labeling and LC-MS/MS. <i>Neurochemical Research</i> , 2013, 38, 2247-2255.	3.3	7
56	A Highly Predictive MicroRNA Panel for Determining Delayed Cerebral Vasospasm Risk Following Aneurysmal Subarachnoid Hemorrhage. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 657258.	3.5	7
57	Overexpression of XIAP Inhibits Apoptotic Cell Death in an Oligodendroglial Cell Line. <i>Cellular and Molecular Neurobiology</i> , 2004, 24, 853-863.	3.3	6
58	Increased Incidence of Spinal Abscess and Substance Abuse after Implementation of State Mandated Prescription Drug Legislation. <i>Pain Medicine</i> , 2015, 16, 2031-2035.	1.9	6
59	Neuroproteomic Methods in Spinal Cord Injury. <i>Methods in Molecular Biology</i> , 2009, 566, 57-67.	0.9	6
60	The use of hollow polymer fibers for the delivery of bioactive molecules to the brain. <i>Neurobiology of Aging</i> , 1989, 10, 640-641.	3.1	5
61	Methodology for Subcellular Fractionation and MicroRNA Examination of Mitochondria, Mitochondria Associated ER Membrane (MAM), ER, and Cytosol from Human Brain. <i>Methods in Molecular Biology</i> , 2020, 2063, 139-154.	0.9	5
62	Sex-Specific Alterations in Inflammatory MicroRNAs in Mouse Brain and Bone Marrow CD11b+ Cells Following Traumatic Brain Injury. <i>Cellular and Molecular Neurobiology</i> , 2023, 43, 423-429.	3.3	4
63	Modulating the immune response with liposomal delivery. , 2020, , 159-211.		2
64	AAD-2004, a potent spin trapping molecule and microsomal prostaglandin E synthase-1 inhibitor, shows safety and efficacy in a mouse model of ALS. <i>Nature Precedings</i> , 2010, , .	0.1	1
65	Re: Aerobic Exercise Combined with Noninvasive Positive Pressure Ventilation Increases Serum Brain-Derived Neurotrophic Factor in Healthy Males by Kawazu et al. <i>PM and R</i> , 2018, 10, 988-988.	1.6	0
66	Neuroprotection and acute spinal cord injury: A reappraisal. <i>Neurotherapeutics</i> , 2004, 1, 80-100.	4.4	0