Dana M Mctigue

List of Publications by Year
in descending order

71	6,087	81900 39	102487 66
papers	citations	h-index	g-index

74	74	74	6992
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Paclitaxel Chemotherapy Elicits Widespread Brain Anisotropy Changes in a Comprehensive Mouse Model of Breast Cancer Survivorship: Evidence From In Vivo Diffusion Weighted Imaging. Frontiers in Oncology, 2022, 12, 798704.	2.8	4
2	Microglia coordinate cellular interactions during spinal cord repair in mice. Nature Communications, 2022, 13, .	12.8	61
3	Nanotransfection-based vasculogenic cell reprogramming drives functional recovery in a mouse model of ischemic stroke. Science Advances, 2021, 7, .	10.3	32
4	Alpha-synuclein increases in rodent and human spinal cord injury and promotes inflammation and tissue loss. Scientific Reports, 2021, 11, 11720.	3.3	8
5	Liver inflammation at the time of spinal cord injury enhances intraspinal pathology, liver injury, metabolic syndrome and locomotor deficits. Experimental Neurology, 2021, 342, 113725.	4.1	12
6	Eccentric rehabilitation induces white matter plasticity and sensorimotor recovery in chronic spinal cord injury. Experimental Neurology, 2021, 346, 113853.	4.1	13
7	Hepatic dysfunction after spinal cord injury: A vicious cycle of central and peripheral pathology?. Experimental Neurology, 2020, 325, 113160.	4.1	23
8	Delayed short-term tamoxifen treatment does not promote remyelination or neuron sparing after spinal cord injury. PLoS ONE, 2020, 15, e0235232.	2.5	6
9	Title is missing!. , 2020, 15, e0235232.		0
10	Title is missing!. , 2020, 15, e0235232.		0
11	Title is missing!. , 2020, 15, e0235232.		0
12	Title is missing!. , 2020, 15, e0235232.		0
13	Myelin status and oligodendrocyte lineage cells over time after spinal cord injury: What do we know and what still needs to be unwrapped?. Glia, 2019, 67, 2178-2202.	4.9	58
14	Green tea extract prevents obesity in male mice by alleviating gut dysbiosis in association with improved intestinal barrier function that limits endotoxin translocation and adipose inflammation. Journal of Nutritional Biochemistry, 2019, 67, 78-89.	4.2	104
15	Dissipation of transmembrane potassium gradient is the main cause of cerebral ischemia-induced depolarization in astrocytes and neurons. Experimental Neurology, 2018, 303, 1-11.	4.1	21
16	Proliferating NG2-Cell-Dependent Angiogenesis and Scar Formation Alter Axon Growth and Functional Recovery After Spinal Cord Injury in Mice. Journal of Neuroscience, 2018, 38, 1366-1382.	3.6	106
17	Syncytial Isopotentiality: An Electrical Feature of Spinal Cord Astrocyte Networks. Neuroglia (Basel,) Tj ETQq1 1 0.784314 rgBT /Overl	0.9	14
18	To Be or Not to Be: Environmental Factors that Drive Myelin Formation during Development and after CNS Trauma. Neuroglia (Basel, Switzerland), 2018, 1, 63-90.	0.9	7

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19	Dietary Green Tea Extract Prior to Spinal Cord Injury Prevents Hepatic Iron Overload but Does Not Improve Chronic Hepatic and Spinal Cord Pathology in Rats. Journal of Neurotrauma, 2018, 35, 2872-2882.	3.4	13
20	Deletion of the Fractalkine Receptor, CX3CR1, Improves Endogenous Repair, Axon Sprouting, and Synaptogenesis after Spinal Cord Injury in Mice. Journal of Neuroscience, 2017, 37, 3568-3587.	3.6	66
21	E6020, a synthetic TLR4 agonist, accelerates myelin debris clearance, Schwann cell infiltration, and remyelination in the rat spinal cord. Glia, 2017, 65, 883-899.	4.9	58
22	Magnetic mapping of iron in rodent spleen. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 977-986.	3.3	16
23	Intraspinal TLR4 activation promotes iron storage but does not protect neurons or oligodendrocytes from progressive iron-mediated damage. Experimental Neurology, 2017, 298, 42-56.	4.1	24
24	Ferritin Mineral Core Composition in Health and Disease. Microscopy and Microanalysis, 2016, 22, 1156-1157.	0.4	0
25	A silver lining of neuroinflammation: Beneficial effects on myelination. Experimental Neurology, 2016, 283, 550-559.	4.1	38
26	Oligodendrocytes contribute to motor neuron death in ALS via SOD1-dependent mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6496-E6505.	7.1	139
27	TLR4 Deficiency Impairs Oligodendrocyte Formation in the Injured Spinal Cord. Journal of Neuroscience, 2016, 36, 6352-6364.	3.6	62
28	Gap junction coupling confers isopotentiality on astrocyte syncytium. Glia, 2016, 64, 214-226.	4.9	105
29	Chronic Oligodendrogenesis and Remyelination after Spinal Cord Injury in Mice and Rats. Journal of Neuroscience, 2015, 35, 1274-1290.	3.6	138
30	Toll-Like Receptors and Dectin-1, a C-Type Lectin Receptor, Trigger Divergent Functions in CNS Macrophages. Journal of Neuroscience, 2015, 35, 9966-9976.	3.6	73
31	Stress exacerbates neuron loss and microglia proliferation in a rat model of excitotoxic lower motor neuron injury. Brain, Behavior, and Immunity, 2015, 49, 246-254.	4.1	7
32	Spinal Cord Injury Causes Chronic Liver Pathology in Rats. Journal of Neurotrauma, 2015, 32, 159-169.	3.4	60
33	Development of a Database for Translational Spinal Cord Injury Research. Journal of Neurotrauma, 2014, 31, 1789-1799.	3.4	100
34	Changes in NG2 cells and oligodendrocytes in a new model of intraspinal hemorrhage. Experimental Neurology, 2014, 255, 113-126.	4.1	19
35	Serum exosomes in pregnancy-associated immune modulation and neuroprotection during CNS autoimmunity. Clinical Immunology, 2013, 149, 236-243.	3.2	45
36	Systemic iron chelation results in limited functional and histological recovery after traumatic spinal cord injury in rats. Experimental Neurology, 2013, 248, 53-61.	4.1	34

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37	PPAR Agonists as Therapeutics for CNS Trauma and Neurological Diseases. ASN Neuro, 2013, 5, AN20130030.	2.7	73
38	NeonatalE. ColiInfection Causes Neuro-Behavioral Deficits Associated with Hypomyelination and Neuronal Sequestration of Iron. Journal of Neuroscience, 2013, 33, 16334-16345.	3.6	47
39	Ferritin Stimulates Oligodendrocyte Genesis in the Adult Spinal Cord and Can Be Transferred from Macrophages to NG2 CellsIn Vivo. Journal of Neuroscience, 2012, 32, 5374-5384.	3.6	78
40	Microembolism infarcts lead to delayed changes in affective-like behaviors followed by spatial memory impairment. Behavioural Brain Research, 2012, 234, 259-266.	2.2	22
41	System xcâ˜ regulates microglia and macrophage glutamate excitotoxicity in vivo. Experimental Neurology, 2012, 233, 333-341.	4.1	54
42	Macrophage migration inhibitory factor (MIF) is essential for inflammatory and neuropathic pain and enhances pain in response to stress. Experimental Neurology, 2012, 236, 351-362.	4.1	56
43	The fate of proliferating cells in the injured adult spinal cord. Stem Cell Research and Therapy, 2011, 2, 7.	5.5	12
44	A Grading System To Evaluate Objectively the Strength of Pre-Clinical Data of Acute Neuroprotective Therapies for Clinical Translation in Spinal Cord Injury. Journal of Neurotrauma, 2011, 28, 1525-1543.	3.4	83
45	Transforming Growth Factor Î± Transforms Astrocytes to a Growth-Supportive Phenotype after Spinal Cord Injury. Journal of Neuroscience, 2011, 31, 15173-15187.	3.6	58
46	The PPAR alpha agonist gemfibrozil is an ineffective treatment for spinal cord injured mice. Experimental Neurology, 2011, 232, 309-317.	4.1	24
47	Oligodendrocyte Fate after Spinal Cord Injury. Neurotherapeutics, 2011, 8, 262-273.	4.4	164
48	Regional heterogeneity in astrocyte responses following contusive spinal cord injury in mice. Journal of Comparative Neurology, 2010, 518, 1370-1390.	1.6	87
49	Chronic expression of PPARâ€Î˝ by oligodendrocyte lineage cells in the injured rat spinal cord. Journal of Comparative Neurology, 2010, 518, 785-799.	1.6	38
50	Effects of axon degeneration on oligodendrocyte lineage cells: Dorsal rhizotomy evokes a repair response while axon degeneration rostral to spinal contusion induces both repair and apoptosis. Glia, 2010, 58, 1304-1319.	4.9	35
51	Silencing Nogoâ€A promotes functional recovery in demyelinating disease. Annals of Neurology, 2010, 67, 498-507.	5.3	79
52	Semi-automated Sholl analysis for quantifying changes in growth and differentiation of neurons and glia. Journal of Neuroscience Methods, 2010, 190, 71-79.	2.5	69
53	Damage control in the nervous system: beware the immune system in spinal cord injury. Nature Medicine, 2009, 15, 736-737.	30.7	57
54	Iron is essential for oligodendrocyte genesis following intraspinal macrophage activation. Experimental Neurology, 2009, 218, 64-74.	4.1	60

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55	Chronically increased ciliary neurotrophic factor and fibroblast growth factorâ€2 expression after spinal contusion in rats. Journal of Comparative Neurology, 2008, 510, 129-144.	1.6	60
56	The life, death, and replacement of oligodendrocytes in the adult CNS. Journal of Neurochemistry, 2008, 107, 1-19.	3.9	369
57	Potential Therapeutic Targets for PPAR after Spinal Cord Injury. PPAR Research, 2008, 2008, 1-7.	2.4	32
58	Oligodendrocyte Generation Is Differentially Influenced by Toll-Like Receptor (TLR) 2 and TLR4-Mediated Intraspinal Macrophage Activation. Journal of Neuropathology and Experimental Neurology, 2007, 66, 1124-1135.	1.7	87
59	The PPAR gamma agonist Pioglitazone improves anatomical and locomotor recovery after rodent spinal cord injury. Experimental Neurology, 2007, 205, 396-406.	4.1	102
60	Prominent oligodendrocyte genesis along the border of spinal contusion lesions. Glia, 2007, 55, 698-711.	4.9	114
61	Basso Mouse Scale for Locomotion Detects Differences in Recovery after Spinal Cord Injury in Five Common Mouse Strains. Journal of Neurotrauma, 2006, 23, 635-659.	3.4	1,253
62	NG2 Colocalizes With Axons and Is Expressed by a Mixed Cell Population in Spinal Cord Lesions. Journal of Neuropathology and Experimental Neurology, 2006, 65, 406-420.	1.7	90
63	Mice lacking L1 cell adhesion molecule have deficits in locomotion and exhibit enhanced corticospinal tract sprouting following mild contusion injury to the spinal cord. European Journal of Neuroscience, 2006, 23, 1997-2011.	2.6	36
64	Proliferation of NG2-Positive Cells and Altered Oligodendrocyte Numbers in the Contused Rat Spinal Cord. Journal of Neuroscience, 2001, 21, 3392-3400.	3.6	389
65	Strategies for spinal cord injury repair. Progress in Brain Research, 2000, 128, 3-8.	1.4	34
66	Localization of Transforming Growth Factor-Î²1 and Receptor mRNA after Experimental Spinal Cord Injury. Experimental Neurology, 2000, 163, 220-230.	4.1	84
67	Selective chemokine mRNA accumulation in the rat spinal cord after contusion injury. Journal of Neuroscience Research, 1998, 53, 368-376.	2.9	186
68	Neurotrophin-3 and Brain-Derived Neurotrophic Factor Induce Oligodendrocyte Proliferation and Myelination of Regenerating Axons in the Contused Adult Rat Spinal Cord. Journal of Neuroscience, 1998, 18, 5354-5365.	3.6	523
69	Vagal control of digestion: Modulation by central neural and peripheral endocrine factors. Neuroscience and Biobehavioral Reviews, 1996, 20, 57-66.	6.1	112
70	Pancreatic polypeptide stimulates gastric motility through a vagal-dependent mechanism in rats. Neuroscience Letters, 1995, 188, 93-96.	2.1	33
71	Thyrotropin-releasing hormone analogue and serotonin interact within the dorsal vagal complex to augment gastric acid secretion. Neuroscience Letters, 1992, 144, 61-64.	2.1	21