# Dana M Mctigue

List of Publications by Year
in descending order



| 71 | 6,087 | 87723 38 | 106150 65 |
|---|---|---|---|
| papers | citations | h-index | g-index |

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

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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. | 1.7 | 1,253 |
| 2 | 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. | 1.7 | 523 |
| 3 | Proliferation of NG2-Positive Cells and Altered Oligodendrocyte Numbers in the Contused Rat Spinal Cord. Journal of Neuroscience, 2001, 21, 3392-3400. | 1.7 | 389 |
| 4 | The life, death, and replacement of oligodendrocytes in the adult CNS. Journal of Neurochemistry, 2008, 107, 1-19. | 2.1 | 369 |
| 5 | Selective chemokine mRNA accumulation in the rat spinal cord after contusion injury. , 1998, 53, 368-376. | | 186 |
| 6 | Oligodendrocyte Fate after Spinal Cord Injury. Neurotherapeutics, 2011, 8, 262-273. | 2.1 | 164 |
| 7 | 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. | 3.3 | 139 |
| 8 | Chronic Oligodendrogenesis and Remyelination after Spinal Cord Injury in Mice and Rats. Journal of Neuroscience, 2015, 35, 1274-1290. | 1.7 | 138 |
| 9 | Prominent oligodendrocyte genesis along the border of spinal contusion lesions. Glia, 2007, 55, 698-711. | 2.5 | 114 |
| 10 | Vagal control of digestion: Modulation by central neural and peripheral endocrine factors. Neuroscience and Biobehavioral Reviews, 1996, 20, 57-66. | 2.9 | 112 |
| 11 | 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. | 1.7 | 106 |
| 12 | Gap junction coupling confers isopotentiality on astrocyte syncytium. Glia, 2016, 64, 214-226. | 2.5 | 105 |
| 13 | 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. | 1.9 | 104 |
| 14 | The PPAR gamma agonist Pioglitazone improves anatomical and locomotor recovery after rodent spinal cord injury. Experimental Neurology, 2007, 205, 396-406. | 2.0 | 102 |
| 15 | Development of a Database for Translational Spinal Cord Injury Research. Journal of Neurotrauma, 2014, 31, 1789-1799. | 1.7 | 100 |
| 16 | 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. | 0.9 | 90 |
| 17 | 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. | 0.9 | 87 |
| 18 | Regional heterogeneity in astrocyte responses following contusive spinal cord injury in mice. Journal of Comparative Neurology, 2010, 518, 1370-1390. | 0.9 | 87 |

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|---|---|---|---|
| 19 | Localization of Transforming Growth Factor-Î²1 and Receptor mRNA after Experimental Spinal Cord Injury. Experimental Neurology, 2000, 163, 220-230. | 2.0 | 84 |
| 20 | 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. | 1.7 | 83 |
| 21 | Silencing Nogoâ€A promotes functional recovery in demyelinating disease. Annals of Neurology, 2010, 67, 498-507. | 2.8 | 79 |
| 22 | 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. | 1.7 | 78 |
| 23 | PPAR Agonists as Therapeutics for CNS Trauma and Neurological Diseases. ASN Neuro, 2013, 5, AN20130030. | 1.5 | 73 |
| 24 | Toll-Like Receptors and Dectin-1, a C-Type Lectin Receptor, Trigger Divergent Functions in CNS Macrophages. Journal of Neuroscience, 2015, 35, 9966-9976. | 1.7 | 73 |
| 25 | Semi-automated Sholl analysis for quantifying changes in growth and differentiation of neurons and glia. Journal of Neuroscience Methods, 2010, 190, 71-79. | 1.3 | 69 |
| 26 | 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. | 1.7 | 66 |
| 27 | TLR4 Deficiency Impairs Oligodendrocyte Formation in the Injured Spinal Cord. Journal of Neuroscience, 2016, 36, 6352-6364. | 1.7 | 62 |
| 28 | Microglia coordinate cellular interactions during spinal cord repair in mice. Nature Communications, 2022, 13, . | 5.8 | 61 |
| 29 | Chronically increased ciliary neurotrophic factor and fibroblast growth factorâ€2 expression after spinal contusion in rats. Journal of Comparative Neurology, 2008, 510, 129-144. | 0.9 | 60 |
| 30 | Iron is essential for oligodendrocyte genesis following intraspinal macrophage activation. Experimental Neurology, 2009, 218, 64-74. | 2.0 | 60 |
| 31 | Spinal Cord Injury Causes Chronic Liver Pathology in Rats. Journal of Neurotrauma, 2015, 32, 159-169. | 1.7 | 60 |
| 32 | Transforming Growth Factor Î± Transforms Astrocytes to a Growth-Supportive Phenotype after Spinal Cord Injury. Journal of Neuroscience, 2011, 31, 15173-15187. | 1.7 | 58 |
| 33 | E6020, a synthetic TLR4 agonist, accelerates myelin debris clearance, Schwann cell infiltration, and remyelination in the rat spinal cord. Glia, 2017, 65, 883-899. | 2.5 | 58 |
| 34 | 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. | 2.5 | 58 |
| 35 | Damage control in the nervous system: beware the immune system in spinal cord injury. Nature Medicine, 2009, 15, 736-737. | 15.2 | 57 |
| 36 | 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. | 2.0 | 56 |

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|---|---|---|---|
| 37 | System xcâ^' regulates microglia and macrophage glutamate excitotoxicity in vivo. Experimental Neurology, 2012, 233, 333-341. | 2.0 | 54 |
| 38 | NeonatalE. ColiInfection Causes Neuro-Behavioral Deficits Associated with Hypomyelination and Neuronal Sequestration of Iron. Journal of Neuroscience, 2013, 33, 16334-16345. | 1.7 | 47 |
| 39 | Serum exosomes in pregnancy-associated immune modulation and neuroprotection during CNS autoimmunity. Clinical Immunology, 2013, 149, 236-243. | 1.4 | 45 |
| 40 | Chronic expression of PPARâ€ by oligodendrocyte lineage cells in the injured rat spinal cord. Journal of Comparative Neurology, 2010, 518, 785-799. | 0.9 | 38 |
| 41 | A silver lining of neuroinflammation: Beneficial effects on myelination. Experimental Neurology, 2016, 283, 550-559. | 2.0 | 38 |
| 42 | 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. | 1.2 | 36 |
| 43 | 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. | 2.5 | 35 |
| 44 | Strategies for spinal cord injury repair. Progress in Brain Research, 2000, 128, 3-8. | 0.9 | 34 |
| 45 | Systemic iron chelation results in limited functional and histological recovery after traumatic spinal cord injury in rats. Experimental Neurology, 2013, 248, 53-61. | 2.0 | 34 |
| 46 | Pancreatic polypeptide stimulates gastric motility through a vagal-dependent mechanism in rats. Neuroscience Letters, 1995, 188, 93-96. | 1.0 | 33 |
| 47 | Potential Therapeutic Targets for PPAR after Spinal Cord Injury. PPAR Research, 2008, 2008, 1-7. | 1.1 | 32 |
| 48 | Nanotransfection-based vasculogenic cell reprogramming drives functional recovery in a mouse model of ischemic stroke. Science Advances, 2021, 7, . | 4.7 | 32 |
| 49 | The PPAR alpha agonist gemfibrozil is an ineffective treatment for spinal cord injured mice. Experimental Neurology, 2011, 232, 309-317. | 2.0 | 24 |
| 50 | Intraspinal TLR4 activation promotes iron storage but does not protect neurons or oligodendrocytes from progressive iron-mediated damage. Experimental Neurology, 2017, 298, 42-56. | 2.0 | 24 |
| 51 | Hepatic dysfunction after spinal cord injury: A vicious cycle of central and peripheral pathology?. Experimental Neurology, 2020, 325, 113160. | 2.0 | 23 |
| 52 | Microembolism infarcts lead to delayed changes in affective-like behaviors followed by spatial memory impairment. Behavioural Brain Research, 2012, 234, 259-266. | 1.2 | 22 |
| 53 | Thyrotropin-releasing hormone analogue and serotonin interact within the dorsal vagal complex to augment gastric acid secretion. Neuroscience Letters, 1992, 144, 61-64. | 1.0 | 21 |
| 54 | Dissipation of transmembrane potassium gradient is the main cause of cerebral ischemia-induced depolarization in astrocytes and neurons. Experimental Neurology, 2018, 303, 1-11. | 2.0 | 21 |

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|---|---|---|---|
| 55 | Changes in NG2 cells and oligodendrocytes in a new model of intraspinal hemorrhage. Experimental Neurology, 2014, 255, 113-126. | 2.0 | 19 |
| 56 | Magnetic mapping of iron in rodent spleen. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 977-986. | 1.7 | 16 |
| 57 | Syncytial Isopotentiality: An Electrical Feature of Spinal Cord Astrocyte Networks. Neuroglia (Basel,) Tj ETQq1 1 0.784314 rgBT /Overl | 0.3 | 14 |
| 58 | 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. | 1.7 | 13 |
| 59 | Eccentric rehabilitation induces white matter plasticity and sensorimotor recovery in chronic spinal cord injury. Experimental Neurology, 2021, 346, 113853. | 2.0 | 13 |
| 60 | The fate of proliferating cells in the injured adult spinal cord. Stem Cell Research and Therapy, 2011, 2, 7. | 2.4 | 12 |
| 61 | Liver inflammation at the time of spinal cord injury enhances intraspinal pathology, liver injury, metabolic syndrome and locomotor deficits. Experimental Neurology, 2021, 342, 113725. | 2.0 | 12 |
| 62 | Alpha-synuclein increases in rodent and human spinal cord injury and promotes inflammation and tissue loss. Scientific Reports, 2021, 11, 11720. | 1.6 | 8 |
| 63 | 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. | 2.0 | 7 |
| 64 | 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. | 0.3 | 7 |
| 65 | Delayed short-term tamoxifen treatment does not promote remyelination or neuron sparing after spinal cord injury. PLoS ONE, 2020, 15, e0235232. | 1.1 | 6 |
| 66 | 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. | 1.3 | 4 |
| 67 | Ferritin Mineral Core Composition in Health and Disease. Microscopy and Microanalysis, 2016, 22, 1156-1157. | 0.2 | 0 |
| 68 | Title is missing!. , 2020, 15, e0235232. | | 0 |
| 69 | Title is missing!. , 2020, 15, e0235232. | | 0 |
| 70 | Title is missing!. , 2020, 15, e0235232. | | 0 |
| 71 | Title is missing!. , 2020, 15, e0235232. | | 0 |