

Jason R Plemel

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38
papers

2,677
citations

26
h-index

43
g-index

43
ext. papers

3,413
ext. citations

11.6
avg, IF

5.29
L-index

#	Paper	IF	Citations
38	A systematic review of cellular transplantation therapies for spinal cord injury. <i>Journal of Neurotrauma</i> , 2011 , 28, 1611-82	5.4	429
37	Cell transplantation therapy for spinal cord injury. <i>Nature Neuroscience</i> , 2017 , 20, 637-647	25.5	383
36	Skin-derived precursors generate myelinating Schwann cells that promote remyelination and functional recovery after contusion spinal cord injury. <i>Journal of Neuroscience</i> , 2007 , 27, 9545-59	6.6	246
35	Remyelination therapies: a new direction and challenge in multiple sclerosis. <i>Nature Reviews Drug Discovery</i> , 2017 , 16, 617-634	64.1	146
34	Progressive multiple sclerosis: from pathophysiology to therapeutic strategies. <i>Nature Reviews Drug Discovery</i> , 2019 , 18, 905-922	64.1	137
33	An inhibitor of chondroitin sulfate proteoglycan synthesis promotes central nervous system remyelination. <i>Nature Communications</i> , 2016 , 7, 11312	17.4	121
32	Remyelination after spinal cord injury: is it a target for repair?. <i>Progress in Neurobiology</i> , 2014 , 117, 54-72	10.9	112
31	The molecular physiology of the axo-myelinic synapse. <i>Experimental Neurology</i> , 2016 , 276, 41-50	5.7	84
30	A graded forceps crush spinal cord injury model in mice. <i>Journal of Neurotrauma</i> , 2008 , 25, 350-70	5.4	81
29	Myelinogenic Plasticity of Oligodendrocyte Precursor Cells following Spinal Cord Contusion Injury. <i>Journal of Neuroscience</i> , 2017 , 37, 8635-8654	6.6	76
28	Mechanisms of lysophosphatidylcholine-induced demyelination: A primary lipid disrupting myelinopathy. <i>Glia</i> , 2018 , 66, 327-347	9	68
27	Axo-myelinic neurotransmission: a novel mode of cell signalling in the central nervous system. <i>Nature Reviews Neuroscience</i> , 2018 , 19, 49-58	13.5	62
26	Microglia response following acute demyelination is heterogeneous and limits infiltrating macrophage dispersion. <i>Science Advances</i> , 2020 , 6, eaay6324	14.3	60
25	Biochemically altered myelin triggers autoimmune demyelination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 5528-5533	11.5	59
24	Myelin regulatory factor drives remyelination in multiple sclerosis. <i>Acta Neuropathologica</i> , 2017 , 134, 403-422	14.3	56
23	Intermittent fasting improves functional recovery after rat thoracic contusion spinal cord injury. <i>Journal of Neurotrauma</i> , 2011 , 28, 479-92	5.4	56
22	Axonal thinning and extensive remyelination without chronic demyelination in spinal injured rats. <i>Journal of Neuroscience</i> , 2012 , 32, 5120-5	6.6	54

21	Myelin inhibits oligodendroglial maturation and regulates oligodendrocytic transcription factor expression. <i>Glia</i> , 2013 , 61, 1471-87	9	51
20	Locomotor recovery following contusive spinal cord injury does not require oligodendrocyte remyelination. <i>Nature Communications</i> , 2018 , 9, 3066	17.4	49
19	Immune modulatory therapies for spinal cord injury--past, present and future. <i>Experimental Neurology</i> , 2014 , 258, 91-104	5.7	49
18	Niacin-mediated rejuvenation of macrophage/microglia enhances remyelination of the aging central nervous system. <i>Acta Neuropathologica</i> , 2020 , 139, 893-909	14.3	33
17	Platelet-derived growth factor-responsive neural precursors give rise to myelinating oligodendrocytes after transplantation into the spinal cords of contused rats and dysmyelinated mice. <i>Glia</i> , 2011 , 59, 1891-910	9	31
16	Combination of olfactory ensheathing cells with local versus systemic cAMP treatment after a cervical rubrospinal tract injury. <i>Journal of Neuroscience Research</i> , 2010 , 88, 2833-46	4.4	31
15	Unique spectral signatures of the nucleic acid dye acridine orange can distinguish cell death by apoptosis and necroptosis. <i>Journal of Cell Biology</i> , 2017 , 216, 1163-1181	7.3	28
14	The fate and function of oligodendrocyte progenitor cells after traumatic spinal cord injury. <i>Glia</i> , 2020 , 68, 227-245	9	27
13	Over-the-counter anti-oxidant therapies for use in multiple sclerosis: A systematic review. <i>Multiple Sclerosis Journal</i> , 2015 , 21, 1485-95	5	26
12	Central Nervous System Remyelination: Roles of Glia and Innate Immune Cells. <i>Frontiers in Molecular Neuroscience</i> , 2019 , 12, 225	6.1	24
11	Deficient Surveillance and Phagocytic Activity of Myeloid Cells Within Demyelinated Lesions in Aging Mice Visualized by Live Multiphoton Imaging. <i>Journal of Neuroscience</i> , 2018 , 38, 1973-1988	6.6	23
10	Microglia Diversity in Health and Multiple Sclerosis. <i>Frontiers in Immunology</i> , 2020 , 11, 588021	8.4	19
9	The CD33 short isoform is a gain-of-function variant that enhances A β phagocytosis in microglia. <i>Molecular Neurodegeneration</i> , 2021 , 16, 19	19	17
8	Intermittent fasting in mice does not improve hindlimb motor performance after spinal cord injury. <i>Journal of Neurotrauma</i> , 2011 , 28, 1051-61	5.4	11
7	Regulation of microglia population dynamics throughout development, health, and disease. <i>Glia</i> , 2021 , 69, 2771-2797	9	6
6	Neutrophil contribution in facilitating optic nerve regeneration. <i>Journal of Neuroscience</i> , 2014 , 34, 1081-8.6	8.6	3
5	Aging-Exacerbated Acute Axon and Myelin Injury Is Associated with Microglia-Derived Reactive Oxygen Species and Is Alleviated by the Generic Medication Indapamide. <i>Journal of Neuroscience</i> , 2020 , 40, 8587-8600	6.6	3
4	Oligodendrocyte death and myelin loss in the cuprizone model: an updated overview of the intrinsic and extrinsic causes of cuprizone demyelination.. <i>Molecular Neurodegeneration</i> , 2022 , 17, 34	19	2

3	Motor axonal regeneration following cord transection. <i>Journal of Neuroscience</i> , 2012 , 32, 15645-6	6.6	1
2	Central nervous system macrophages in progressive multiple sclerosis: relationship to neurodegeneration and therapeutics.. <i>Journal of Neuroinflammation</i> , 2022 , 19, 45	10.1	1
1	An X-ray for myelin. <i>Trends in Neurosciences</i> , 2021 , 44, 600-601	13.3	