

Jason R Plemel

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7843883/jason-r-plemel-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Central nervous system macrophages in progressive multiple sclerosis: relationship to neurodegeneration and therapeutics.. <i>Journal of Neuroinflammation</i> , 2022 , 19, 45	10.1	1
37	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
36	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
35	Regulation of microglia population dynamics throughout development, health, and disease. <i>Glia</i> , 2021 , 69, 2771-2797	9	6
34	An X-ray for myelin. <i>Trends in Neurosciences</i> , 2021 , 44, 600-601	13.3	
33	Microglia response following acute demyelination is heterogeneous and limits infiltrating macrophage dispersion. <i>Science Advances</i> , 2020 , 6, eaay6324	14.3	60
32	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
31	Microglia Diversity in Health and Multiple Sclerosis. <i>Frontiers in Immunology</i> , 2020 , 11, 588021	8.4	19
30	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
29	The fate and function of oligodendrocyte progenitor cells after traumatic spinal cord injury. <i>Glia</i> , 2020 , 68, 227-245	9	27
28	Central Nervous System Remyelination: Roles of Glia and Innate Immune Cells. <i>Frontiers in Molecular Neuroscience</i> , 2019 , 12, 225	6.1	24
27	Progressive multiple sclerosis: from pathophysiology to therapeutic strategies. <i>Nature Reviews Drug Discovery</i> , 2019 , 18, 905-922	64.1	137
26	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
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	Locomotor recovery following contusive spinal cord injury does not require oligodendrocyte remyelination. <i>Nature Communications</i> , 2018 , 9, 3066	17.4	49
23	Mechanisms of lysophosphatidylcholine-induced demyelination: A primary lipid disrupting myelinopathy. <i>Glia</i> , 2018 , 66, 327-347	9	68
22	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

21	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
20	Cell transplantation therapy for spinal cord injury. <i>Nature Neuroscience</i> , 2017 , 20, 637-647	25.5	383
19	Myelinogenic Plasticity of Oligodendrocyte Precursor Cells following Spinal Cord Contusion Injury. <i>Journal of Neuroscience</i> , 2017 , 37, 8635-8654	6.6	76
18	Myelin regulatory factor drives remyelination in multiple sclerosis. <i>Acta Neuropathologica</i> , 2017 , 134, 403-422	14.3	56
17	Remyelination therapies: a new direction and challenge in multiple sclerosis. <i>Nature Reviews Drug Discovery</i> , 2017 , 16, 617-634	64.1	146
16	An inhibitor of chondroitin sulfate proteoglycan synthesis promotes central nervous system remyelination. <i>Nature Communications</i> , 2016 , 7, 11312	17.4	121
15	The molecular physiology of the axo-myelinic synapse. <i>Experimental Neurology</i> , 2016 , 276, 41-50	5.7	84
14	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
13	Remyelination after spinal cord injury: is it a target for repair?. <i>Progress in Neurobiology</i> , 2014 , 117, 54-72	10.9	112
12	Neutrophil contribution in facilitating optic nerve regeneration. <i>Journal of Neuroscience</i> , 2014 , 34, 1081-8	8.6	3
11	Immune modulatory therapies for spinal cord injury--past, present and future. <i>Experimental Neurology</i> , 2014 , 258, 91-104	5.7	49
10	Myelin inhibits oligodendroglial maturation and regulates oligodendrocytic transcription factor expression. <i>Glia</i> , 2013 , 61, 1471-87	9	51
9	Motor axonal regeneration following cord transection. <i>Journal of Neuroscience</i> , 2012 , 32, 15645-6	6.6	1
8	Axonal thinning and extensive remyelination without chronic demyelination in spinal injured rats. <i>Journal of Neuroscience</i> , 2012 , 32, 5120-5	6.6	54
7	Intermittent fasting improves functional recovery after rat thoracic contusion spinal cord injury. <i>Journal of Neurotrauma</i> , 2011 , 28, 479-92	5.4	56
6	A systematic review of cellular transplantation therapies for spinal cord injury. <i>Journal of Neurotrauma</i> , 2011 , 28, 1611-82	5.4	429
5	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
4	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

3	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	3 ¹
2	A graded forceps crush spinal cord injury model in mice. <i>Journal of Neurotrauma</i> , 2008 , 25, 350-70	5.4	8 ¹
1	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	24 ⁶