

Jeffrey L Dupree

List of Publications by Year in descending order

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60
papers

4,207
citations

109321

35
h-index

155660

55
g-index

63
all docs

63
docs citations

63
times ranked

4714
citing authors

#	ARTICLE	IF	CITATIONS
1	Axo-Glial Interactions Regulate the Localization of Axonal Paranodal Proteins. <i>Journal of Cell Biology</i> , 1999, 147, 1145-1152.	5.2	236
2	Microbiota-driven transcriptional changes in prefrontal cortex override genetic differences in social behavior. <i>ELife</i> , 2016, 5, .	6.0	226
3	A Myelin Galactolipid, Sulfatide, Is Essential for Maintenance of Ion Channels on Myelinated Axon But Not Essential for Initial Cluster Formation. <i>Journal of Neuroscience</i> , 2002, 22, 6507-6514.	3.6	218
4	Interruption of ganglioside synthesis produces central nervous system degeneration and altered axon-glia interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 2725-2730.	7.1	212
5	Clemastine Enhances Myelination in the Prefrontal Cortex and Rescues Behavioral Changes in Socially Isolated Mice. <i>Journal of Neuroscience</i> , 2016, 36, 957-962.	3.6	209
6	Myelin Galactolipids Are Essential for Proper Node of Ranvier Formation in the CNS. <i>Journal of Neuroscience</i> , 1998, 18, 1642-1649.	3.6	203
7	Interferon- β inhibits central nervous system remyelination through a process modulated by endoplasmic reticulum stress. <i>Brain</i> , 2006, 129, 1306-1318.	7.6	185
8	A Glial Signal Consisting of Gliomedin and NrCAM Clusters Axonal Na ⁺ Channels during the Formation of Nodes of Ranvier. <i>Neuron</i> , 2010, 65, 490-502.	8.1	179
9	Spatiotemporal ablation of myelinating glia-specific <i>neurofascin</i> (<i>Nfasc</i> ^{NF155}) in mice reveals gradual loss of paranodal axoglial junctions and concomitant disorganization of axonal domains. <i>Journal of Neuroscience Research</i> , 2009, 87, 1773-1793.	2.9	167
10	GABAergic regulation of cerebellar NG2 cell development is altered in perinatal white matter injury. <i>Nature Neuroscience</i> , 2015, 18, 674-682.	14.8	167
11	Fibroblast Growth Factor Receptor Signaling in Oligodendrocytes Regulates Myelin Sheath Thickness. <i>Journal of Neuroscience</i> , 2012, 32, 6631-6641.	3.6	120
12	The Neuronal Adhesion Protein TAG-1 Is Expressed by Schwann Cells and Oligodendrocytes and Is Localized to the Juxtaparanodal Region of Myelinated Fibers. <i>Journal of Neuroscience</i> , 2002, 22, 3016-3024.	3.6	118
13	Myelin-associated glycoprotein and myelin galactolipids stabilize developing axo-glia interactions. <i>Journal of Cell Biology</i> , 2002, 156, 567-577.	5.2	109
14	Functional Characterization of DNA Methylation in the Oligodendrocyte Lineage. <i>Cell Reports</i> , 2016, 15, 748-760.	6.4	81
15	Disruption of axo-glia junctions causes cytoskeletal disorganization and degeneration of Purkinje neuron axons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5137-5142.	7.1	79
16	Role of ERK1/2 MAPK Signaling in the Maintenance of Myelin and Axonal Integrity in the Adult CNS. <i>Journal of Neuroscience</i> , 2014, 34, 16031-16045.	3.6	78
17	Region-specific myelin differences define behavioral consequences of chronic social defeat stress in mice. <i>ELife</i> , 2019, 8, .	6.0	74
18	Myelin abnormalities in mice deficient in galactocerebroside and sulfatide. <i>Journal of Neurocytology</i> , 1998, 27, 649-659.	1.5	73

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19	Nodes of Ranvier Act as Barriers to Restrict Invasion of Flanking Paranodal Domains in Myelinated Axons. <i>Neuron</i> , 2011, 69, 244-257.	8.1	70
20	Membrane domain organization of myelinated axons requires β II spectrin. <i>Journal of Cell Biology</i> , 2013, 203, 437-443.	5.2	70
21	Environmental enrichment ameliorates perinatal brain injury and promotes functional white matter recovery. <i>Nature Communications</i> , 2020, 11, 964.	12.8	58
22	Demyelination and altered expression of myelin-associated glycoprotein isoforms in the central nervous system of galactolipid-deficient mice. , 1998, 54, 613-622.		57
23	Oligodendrocytes assist in the maintenance of sodium channel clusters independent of the myelin sheath. <i>Neuron Glia Biology</i> , 2004, 1, 179-192.	1.6	56
24	IL411 augments CNS remyelination and axonal protection by modulating T cell driven inflammation. <i>Brain</i> , 2016, 139, 3121-3136.	7.6	56
25	The Cytoskeletal Adaptor Protein Band 4.1B Is Required for the Maintenance of Paranodal Axoglial Septate Junctions in Myelinated Axons. <i>Journal of Neuroscience</i> , 2011, 31, 8013-8024.	3.6	55
26	The active contribution of OPCs to neuroinflammation is mediated by LRP1. <i>Acta Neuropathologica</i> , 2020, 139, 365-382.	7.7	54
27	Strength of ERK1/2 MAPK Activation Determines Its Effect on Myelin and Axonal Integrity in the Adult CNS. <i>Journal of Neuroscience</i> , 2016, 36, 6471-6487.	3.6	53
28	<i>In Vivo</i> Deletion of Immunoglobulin Domains 5 and 6 in <i>Neurofascin</i> (<i>Nfasc</i>) Reveals Domain-Specific Requirements in Myelinated Axons. <i>Journal of Neuroscience</i> , 2010, 30, 4868-4876.	3.6	52
29	Adult-onset CNS myelin sulfatide deficiency is sufficient to cause Alzheimer's disease-like neuroinflammation and cognitive impairment. <i>Molecular Neurodegeneration</i> , 2021, 16, 64.	10.8	52
30	Disruption of Fibroblast Growth Factor Receptor Signaling in Nonmyelinating Schwann Cells Causes Sensory Axonal Neuropathy and Impairment of Thermal Pain Sensitivity. <i>Journal of Neuroscience</i> , 2009, 29, 1608-1614.	3.6	50
31	Absence of oligodendroglial glucosylceramide synthesis does not result in CNS myelin abnormalities or alter the dysmyelinating phenotype of CGT-deficient mice. <i>Glia</i> , 2010, 58, 391-398.	4.9	50
32	CaMKII β Regulates Oligodendrocyte Maturation and CNS Myelination. <i>Journal of Neuroscience</i> , 2013, 33, 10453-10458.	3.6	50
33	Compromised axon initial segment integrity in EAE is preceded by microglial reactivity and contact. <i>Glia</i> , 2016, 64, 1190-1209.	4.9	49
34	Galactolipids in the formation and function of the myelin sheath. <i>Microscopy Research and Technique</i> , 1998, 41, 431-440.	2.2	48
35	Novel molecular insights into the critical role of sulfatide in myelin maintenance/function. <i>Journal of Neurochemistry</i> , 2016, 139, 40-54.	3.9	46
36	Focal adhesion kinase (FAK): A regulator of CNS myelination. <i>Journal of Neuroscience Research</i> , 2009, 87, 3456-3464.	2.9	38

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37	Adolescent maturation of the prefrontal cortex: Role of stress and sex in shaping adult risk for compromise. <i>Genes, Brain and Behavior</i> , 2020, 19, e12626.	2.2	37
38	Caspr and Caspr2 Are Required for Both Radial and Longitudinal Organization of Myelinated Axons. <i>Journal of Neuroscience</i> , 2014, 34, 14820-14826.	3.6	36
39	Genetic dissection of myelin galactolipid function. , 1999, 28, 271-279.		34
40	Effects of galactolipid elimination on oligodendrocyte development and myelination. , 2000, 30, 319-328.		33
41	Nodal sodium channel domain integrity depends on the conformation of the paranodal junction, not on the presence of transverse bands. <i>Glia</i> , 2003, 41, 318-325.	4.9	31
42	Novel forms of neurofascin 155 in the central nervous system: alterations in paranodal disruption models and multiple sclerosis. <i>Brain</i> , 2010, 133, 389-405.	7.6	29
43	Lanthionine ketimine ester provides benefit in a mouse model of multiple sclerosis. <i>Journal of Neurochemistry</i> , 2015, 134, 302-314.	3.9	29
44	Acetylcholinesterase inhibitor treatment delays recovery from axotomy in cultured dorsal root ganglion neurons. <i>Journal of Neurocytology</i> , 1996, 25, 439-454.	1.5	27
45	Early disruption of nerve mitochondrial and myelin lipid homeostasis in obesity-induced diabetes. <i>JCI Insight</i> , 2020, 5, .	5.0	27
46	Glial β II Spectrin Contributes to Paranode Formation and Maintenance. <i>Journal of Neuroscience</i> , 2018, 38, 6063-6075.	3.6	25
47	Myelin, DIGs, and membrane rafts in the central nervous system. <i>Prostaglandins and Other Lipid Mediators</i> , 2010, 91, 118-129.	1.9	24
48	Adolescent stress sensitizes the adult neuroimmune transcriptome and leads to sex-specific microglial and behavioral phenotypes. <i>Neuropsychopharmacology</i> , 2021, 46, 949-958.	5.4	22
49	Oxidative Stress Induces Disruption of the Axon Initial Segment. <i>ASN Neuro</i> , 2017, 9, 175909141774542.	2.7	21
50	No effect of genetic deletion of contactin-associated protein (CASPR) on axonal orientation and synaptic plasticity. <i>Journal of Neuroscience Research</i> , 2007, 85, 2318-2331.	2.9	19
51	Myelin protein composition is altered in mice lacking either sulfated or both sulfated and non-sulfated galactolipids. <i>Journal of Neurochemistry</i> , 2010, 112, 599-610.	3.9	19
52	Paranodal reorganization results in the depletion of transverse bands in the aged central nervous system. <i>Neurobiology of Aging</i> , 2012, 33, 203.e13-203.e24.	3.1	19
53	Alterations in Mouse Brain Lipidome after Disruption of CST Gene: A Lipidomics Study. <i>Molecular Neurobiology</i> , 2014, 50, 88-96.	4.0	18
54	Chronic peripheral nerve compression disrupts paranodal axoglial junctions. <i>Muscle and Nerve</i> , 2017, 55, 544-554.	2.2	15

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55	Prolonged Environmental Enrichment Promotes Developmental Myelination. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 665409.	3.7	15
56	Influence of diet on axonal damage in the EAE mouse model of multiple sclerosis. <i>Journal of Neuroimmunology</i> , 2018, 322, 9-14.	2.3	11
57	Genetic Analysis of Myelin Galactolipid Function. <i>Advances in Experimental Medicine and Biology</i> , 1999, 468, 237-244.	1.6	7
58	Deletion of the Sodium-Dependent Glutamate Transporter GLT-1 in Maturing Oligodendrocytes Attenuates Myelination of Callosal Axons During a Postnatal Phase of Central Nervous System Development. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	3.7	2
59	Lanthionine Ketimine Ethyl Ester Accelerates Remyelination in a Mouse Model of Multiple Sclerosis. <i>ASN Neuro</i> , 2022, 14, 175909142211123.	2.7	2
60	Cellular Elements, Tissue Organization, Organogenesis. , 2002, , 3-29.		0