M Laura Feltri

List of Publications by Year
in descending order

66 papers	5,005 citations	101543 36 h-index	102487 66 g-index
69 all docs	69 docs citations	69 times ranked	4639 citing authors

#	Article	IF	Citations
1	c-Jun is a negative regulator of myelination. Journal of Cell Biology, 2008, 181, 625-637.	5.2	345
2	Conditional disruption of Î²1 integrin in Schwann cells impedes interactions with axons. Journal of Cell Biology, 2002, 156, 199-210.	5.2	294
3	Notch controls embryonic Schwann cell differentiation, postnatal myelination and adult plasticity. Nature Neuroscience, 2009, 12, 839-847.	14.8	285
4	Ablation of the UPR-Mediator CHOP Restores MotorÂFunction and Reduces Demyelination inÂCharcot-Marie-Tooth 1B Mice. Neuron, 2008, 57, 393-405.	8.1	245
5	Unique Role of Dystroglycan in Peripheral Nerve Myelination, Nodal Structure, and Sodium Channel Stabilization. Neuron, 2003, 38, 747-758.	8.1	230
6	The Adhesion GPCR GPR126 Has Distinct, Domain-Dependent Functions in Schwann Cell Development Mediated by Interaction with Laminin-211. Neuron, 2015, 85, 755-769.	8.1	224
7	New insights on schwann cell development. Glia, 2015, 63, 1376-1393.	4.9	210
8	Î²1 integrin activates Rac1 in Schwann cells to generate radial lamellae during axonal sorting and myelination. Journal of Cell Biology, 2007, 177, 1063-1075.	5.2	163
9	Schwann cells expressing dismutase active mutant SOD1 unexpectedly slow disease progression in ALS mice. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4465-4470.	7.1	148
10	How Schwann Cells Sort Axons. Neuroscientist, 2016, 22, 252-265.	3.5	147
11	Different Intracellular Pathomechanisms Produce Diverse<i>Myelin Protein Zero</i>Neuropathies in Transgenic Mice. Journal of Neuroscience, 2006, 26, 2358-2368.	3.6	144
12	Schwann Cell-Specific Ablation of Laminin Â1 Causes Apoptosis and Prevents Proliferation. Journal of Neuroscience, 2005, 25, 4463-4472.	3.6	140
13	TACE (ADAM17) inhibits Schwann cell myelination. Nature Neuroscience, 2011, 14, 857-865.	14.8	136
14	Resetting translational homeostasis restores myelination in Charcot-Marie-Tooth disease type 1B mice. Journal of Experimental Medicine, 2013, 210, 821-838.	8.5	115
15	Both Laminin and Schwann Cell Dystroglycan Are Necessary for Proper Clustering of Sodium Channels at Nodes of Ranvier. Journal of Neuroscience, 2005, 25, 9418-9427.	3.6	101
16	Expression of Laminin Receptors in Schwann Cell Differentiation: Evidence for Distinct Roles. Journal of Neuroscience, 2003, 23, 5520-5530.	3.6	100
17	SCAP is required for timely and proper myelin membrane synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21383-21388.	7.1	99
18	Actin Polymerization Is Essential for Myelin Sheath Fragmentation during Wallerian Degeneration. Journal of Neuroscience, 2011, 31, 2009-2015.	3.6	96

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19	Curcumin derivatives promote Schwann cell differentiation and improve neuropathy in R98C CMT1B mice. Brain, 2012, 135, 3551-3566.	7.6	90
20	MicroRNA-Deficient Schwann Cells Display Congenital Hypomyelination. Journal of Neuroscience, 2010, 30, 7722-7728.	3.6	85
21	The function of RhoGTPases in axon ensheathment and myelination. Glia, 2008, 56, 1508-1517.	4.9	79
22	Â6Â4 Integrin and Dystroglycan Cooperate to Stabilize the Myelin Sheath. Journal of Neuroscience, 2008, 28, 6714-6719.	3.6	78
23	Basal lamina: Schwann cells wrap to the rhythm of space-time. Current Opinion in Neurobiology, 2006, 16, 501-507.	4.2	75
24	TGFÂ Type II Receptor Signaling Controls Schwann Cell Death and Proliferation in Developing Nerves. Journal of Neuroscience, 2006, 26, 8417-8427.	3.6	65
25	The Gdap1 knockout mouse mechanistically links redox control to Charcotâ€“Marieâ€“Tooth disease. Brain, 2014, 137, 668-682.	7.6	63
26	Schwann Cell LRP1 Regulates Remak Bundle Ultrastructure and Axonal Interactions to Prevent Neuropathic Pain. Journal of Neuroscience, 2013, 33, 5590-5602.	3.6	62
27	A Laminin-2, Dystroglycan, Utrophin Axis Is Required for Compartmentalization and Elongation of Myelin Segments. Journal of Neuroscience, 2009, 29, 3908-3919.	3.6	61
28	MpzR98C arrests Schwann cell development in a mouse model of early-onset Charcotâ€“Marieâ€“Tooth disease type 1B. Brain, 2012, 135, 2032-2047.	7.6	61
29	N-WASp is required for Schwann cell cytoskeletal dynamics, normal myelin gene expression and peripheral nerve myelination. Development (Cambridge), 2011, 138, 1329-1337.	2.5	59
30	A novel P0glycoprotein transgene activates expression oflacZ in myelin-forming Schwann cells. European Journal of Neuroscience, 1999, 11, 1577-1586.	2.6	57
31	Non-redundant function of dystroglycan and Î²1 integrins in radial sorting of axons. Development (Cambridge), 2011, 138, 4025-4037.	2.5	55
32	Epitope-Tagged P0Glycoprotein Causes Charcot-Marie-Toothâ€“Like Neuropathy in Transgenic Mice. Journal of Cell Biology, 2000, 151, 1035-1046.	5.2	53
33	Mesenchymal stem cells facilitate axon sorting, myelination, and functional recovery in paralyzed mice deficient in Schwann cellâ€derived laminin. Glia, 2011, 59, 267-277.	4.9	53
34	Structure and Stability of Internodal Myelin in Mouse Models of Hereditary Neuropathy. Journal of Neuropathology and Experimental Neurology, 2005, 64, 976-990.	1.7	51
35	GPR56/ADGRG1 regulates development and maintenance of peripheral myelin. Journal of Experimental Medicine, 2018, 215, 941-961.	8.5	51
36	MMP2-9 Cleavage of Dystroglycan Alters the Size and Molecular Composition of Schwann Cell Domains. Journal of Neuroscience, 2011, 31, 12208-12217.	3.6	43

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37	Schwann cell interactions during the development of the peripheral nervous system. Developmental Neurobiology, 2021, 81, 464-489.	3.0	43
38	Myelin under stress. Journal of Neuroscience Research, 2009, 87, 3241-3249.	2.9	39
39	Perlecan is recruited by dystroglycan to nodes of Ranvier and binds the clustering molecule gliomedin. Journal of Cell Biology, 2015, 208, 313-329.	5.2	37
40	Dysmyelinated Lower Motor Neurons Retract and Regenerate Dysfunctional Synaptic Terminals. Journal of Neuroscience, 2004, 24, 3890-3898.	3.6	35
41	Loss of SOX10 function contributes to the phenotype of human Merlin-null schwannoma cells. Brain, 2013, 136, 549-563.	7.6	35
42	Impairment of protein degradation and proteasome function in hereditary neuropathies. Glia, 2018, 66, 379-395.	4.9	32
43	Neuregulin 1 type III improves peripheral nerve myelination in a mouse model of congenital hypomyelinating neuropathy. Human Molecular Genetics, 2019, 28, 1260-1273.	2.9	28
44	Stabilization of the dystroglycan complex in Cajal bands of myelinating Schwann cells through plectin-mediated anchorage to vimentin filaments. Glia, 2013, 61, 1274-1287.	4.9	27
45	Prohibitin 1 is essential to preserve mitochondria and myelin integrity in Schwann cells. Nature Communications, 2021, 12, 3285.	12.8	27
46	Sustained Expression of Negative Regulators of Myelination Protects Schwann Cells from Dysmyelination in a Charcotâ€"Marieâ€"Tooth 1B Mouse Model. Journal of Neuroscience, 2018, 38, 4275-4287.	3.6	25
47	Rac1 GTPase controls myelination and demyelination. Bioarchitecture, 2011, 1, 110-113.	1.5	24
48	Ablation of<i>Perk</i>in Schwann Cells Improves Myelination in the S63del Charcot-Marie-Tooth 1B Mouse. Journal of Neuroscience, 2016, 36, 11350-11361.	3.6	24
49	Acetylâ€CoA production from pyruvate is not necessary for preservation of myelin. Glia, 2017, 65, 1626-1639.	4.9	24
50	Enhanced axonal neuregulin-1 type-III signaling ameliorates neurophysiology and hypomyelination in a Charcotâ€"Marieâ€"Tooth type 1B mouse model. Human Molecular Genetics, 2019, 28, 992-1006.	2.9	24
51	Deletion of Calcineurin in Schwann Cells Does Not Affect Developmental Myelination, But Reduces Autophagy and Delays Myelin Clearance after Peripheral Nerve Injury. Journal of Neuroscience, 2020, 40, 6165-6176.	3.6	24
52	Selective knockdown of mutant SOD1 in Schwann cells ameliorates disease in G85R mutant SOD1 transgenic mice. Neurobiology of Disease, 2012, 48, 52-57.	4.4	23
53	P0 (Protein Zero) Mutation S34C Underlies Instability of Internodal Myelin in S63C Mice. Journal of Biological Chemistry, 2010, 285, 42001-42012.	3.4	21
54	Characterization of a Schwann cell enhancer in the myelin basic protein gene. Journal of Neurochemistry, 2004, 91, 813-824.	3.9	18

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55	Schwann cells ER-associated degradation contributes to myelin maintenance in adult nerves and limits demyelination in CMT1B mice. PLoS Genetics, 2019, 15, e1008069.	3.5	18
56	Peripheral glia diversity. Journal of Anatomy, 2022, 241, 1219-1234.	1.5	17
57	Activation of mTORC1 and c-Jun by Prohibitin1 loss in Schwann cells may link mitochondrial dysfunction to demyelination. ELife, 2021, 10, .	6.0	15
58	Dramatic Reduction of PrPC Level and Glycosylation in Peripheral Nerves following PrP Knock-Out from Schwann Cells Does Not Prevent Transmissible Spongiform Encephalopathy Neuroinvasion. Journal of Neuroscience, 2009, 29, 15445-15454.	3.6	14
59	Phosphorylation of eIF2Î± Promotes Schwann Cell Differentiation and Myelination in CMT1B Mice with Activated UPR. Journal of Neuroscience, 2020, 40, 8174-8187.	3.6	14
60	A nonsense mutation in myelin protein zero causes congenital hypomyelination neuropathy through altered P0 membrane targeting and gain of abnormal function. Human Molecular Genetics, 2019, 28, 124-132.	2.9	12
61	Beyond Wrapping: Canonical and Noncanonical Functions of Schwann Cells. Annual Review of Neuroscience, 2022, 45, 561-580.	10.7	11
62	The Hippo pathway: Horizons for innovative treatments of peripheral nerve diseases. Journal of the Peripheral Nervous System, 2021, 26, 4-16.	3.1	10
63	The Pseudopod System for Axon-Glia Interactions: Stimulation and Isolation of Schwann Cell Protrusions that Form in Response to Axonal Membranes. Methods in Molecular Biology, 2018, 1739, 233-253.	0.9	7
64	Raising cGMP restores proteasome function and myelination in mice with a proteotoxic neuropathy. Brain, 2022, 145, 168-178.	7.6	7
65	Calcineurin Activity Is Increased in Charcot-Marie-Tooth 1B Demyelinating Neuropathy. Journal of Neuroscience, 2021, 41, 4536-4548.	3.6	3
66	Rac1 and Rac3 have opposite functions in Schwann cells during developmental myelination. Neuroscience Letters, 2021, 753, 135868.	2.1	3