Diane L Sherman

List of Publications by Year
in descending order

24 papers	2,573 citations	394421 19 h-index	610901 24 g-index
26 all docs	26 docs citations	26 times ranked	2646 citing authors

#	Article	IF	Citations
1	Mechanisms of axon ensheathment and myelin growth. Nature Reviews Neuroscience, 2005, 6, 683-690.	10.2	558
2	Neurofascins Are Required to Establish Axonal Domains for Saltatory Conduction. Neuron, 2005, 48, 737-742.	8.1	306
3	An Oligodendrocyte Cell Adhesion Molecule at the Site of Assembly of the Paranodal Axo-Glial Junction. Journal of Cell Biology, 2000, 150, 657-666.	5.2	280
4	Specific Disruption of a Schwann Cell Dystrophin-Related Protein Complex in a Demyelinating Neuropathy. Neuron, 2001, 30, 677-687.	8.1	189
5	Restricted growth of Schwann cells lacking Cajal bands slows conduction in myelinated nerves. Nature, 2004, 431, 191-195.	27.8	187
6	Glial and neuronal isoforms of Neurofascin have distinct roles in the assembly of nodes of Ranvier in the central nervous system. Journal of Cell Biology, 2008, 181, 1169-1177.	5.2	171
7	Periaxin, a novel protein of myelinating schwann cells with a possible role in axonal ensheathment. Neuron, 1994, 12, 497-508.	8.1	157
8	A Critical Role for Neurofascin in Regulating Action Potential Initiation through Maintenance of the Axon Initial Segment. Neuron, 2011, 69, 945-956.	8.1	139
9	Two PDZ Domain Proteins Encoded by the Murine Periaxin Gene Are the Result of Alternative Intron Retention and Are Differentially Targeted in Schwann Cells. Journal of Biological Chemistry, 1998, 273, 5794-5800.	3.4	79
10	Increasing Internodal Distance in Myelinated Nerves Accelerates Nerve Conduction to a Flat Maximum. Current Biology, 2012, 22, 1957-1961.	3.9	79
11	A Tripartite Nuclear Localization Signal in the PDZ-domain Protein L-periaxin. Journal of Biological Chemistry, 2000, 275, 4537-4540.	3.4	58
12	Drp2 and Periaxin Form Cajal Bands with Dystroglycan But Have Distinct Roles in Schwann Cell Growth. Journal of Neuroscience, 2012, 32, 9419-9428.	3.6	53
13	Differential Stability of PNS and CNS Nodal Complexes When Neuronal Neurofascin Is Lost. Journal of Neuroscience, 2014, 34, 5083-5088.	3.6	49
14	Absence of Dystrophin Related Protein-2 disrupts Cajal bands in a patient with Charcotâ€“Marieâ€“Tooth disease. Neuromuscular Disorders, 2015, 25, 786-793.	0.6	40
15	Loss of Glial Neurofascin155 Delays Developmental Synapse Elimination at the Neuromuscular Junction. Journal of Neuroscience, 2014, 34, 12904-12918.	3.6	39
16	Neurofascin 140 Is an Embryonic Neuronal Neurofascin Isoform That Promotes the Assembly of the Node of Ranvier. Journal of Neuroscience, 2015, 35, 2246-2254.	3.6	37
17	Input-Output Relationship of CA1 Pyramidal Neurons Reveals Intact Homeostatic Mechanisms in a Mouse Model of Fragile X Syndrome. Cell Reports, 2020, 32, 107988.	6.4	37
18	Homozygous mutation in the Neurofascin gene affecting the glial isoform of Neurofascin causes severe neurodevelopment disorder with hypotonia, amimia and areflexia. Human Molecular Genetics, 2018, 27, 3669-3674.	2.9	34

#	Article	IF	Citations
19	Assembly of CNS Nodes of Ranvier in Myelinated Nerves Is Promoted by the Axon Cytoskeleton. Current Biology, 2017, 27, 1068-1073.	3.9	32
20	A murine model of Charcot-Marie-Tooth disease 4F reveals a role for the C-terminus of periaxin in the formation and stabilization of Cajal bands. Wellcome Open Research, 2018, 3, 20.	1.8	12
21	Direct Binding of the Flexible C-Terminal Segment of Periaxin to Î²4 Integrin Suggests a Molecular Basis for CMT4F. Frontiers in Molecular Neuroscience, 2019, 12, 84.	2.9	12
22	Neurofascin and Kv7.3 are delivered to somatic and axon terminal surface membranes en route to the axon initial segment. ELife, 2020, 9, .	6.0	12
23	Completion of neuronal remodeling prompts myelination along developing motor axon branches. Journal of Cell Biology, 2021, 220, .	5.2	7
24	Dynamic early clusters of nodal proteins contribute to node of Ranvier assembly during myelination of peripheral neurons. ELife, 2021, 10, .	6.0	6