

# Daniel A Kirschner

## List of Publications by Year in descending order

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159  
papers

12,803  
citations

36303

51  
h-index

24258

110  
g-index

164  
all docs

164  
docs citations

164  
times ranked

9487  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurotrophic and Neurotoxic Effects of Amyloid $\hat{I}^2$ Protein: Reversal by Tachykinin Neuropeptides. <i>Science</i> , 1990, 250, 279-282.	12.6	2,008
2	On the nucleation and growth of amyloid beta-protein fibrils: detection of nuclei and quantitation of rate constants.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 1125-1129.	7.1	781
3	X-ray diffraction from intraneuronal paired helical filaments and extraneuronal amyloid fibers in Alzheimer disease indicates cross-beta conformation.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1986, 83, 503-507.	7.1	540
4	Kinetic theory of fibrillogenesis of amyloid $\hat{I}^2$ -protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 7942-7947.	7.1	534
5	Synthetic peptide homologous to beta protein from Alzheimer disease forms amyloid-like fibrils in vitro.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987, 84, 6953-6957.	7.1	498
6	pH-dependent structural transitions of Alzheimer amyloid peptides. <i>Biophysical Journal</i> , 1991, 60, 1190-1201.	0.5	377
7	Mice deficient for the glycoprotein show subtle abnormalities in myelin. <i>Neuron</i> , 1994, 13, 229-246.	8.1	356
8	Molecular determinants of amyloid deposition in Alzheimer's disease: conformational studies of synthetic .beta.-protein fragments. <i>Biochemistry</i> , 1990, 29, 2639-2644.	2.5	310
9	Constitutively Active Akt Induces Enhanced Myelination in the CNS. <i>Journal of Neuroscience</i> , 2008, 28, 7174-7183.	3.6	310
10	Structure of beta-crystallite assemblies formed by Alzheimer beta-amyloid protein analogues: analysis by x-ray diffraction. <i>Biophysical Journal</i> , 1993, 64, 502-519.	0.5	292
11	Structural Analysis of Alzheimer's $\hat{I}^2$ (1 $\hat{A}$ "40) Amyloid: Protofilament Assembly of Tubular Fibrils. <i>Biophysical Journal</i> , 1998, 74, 537-545.	0.5	266
12	Fibril formation by primate, rodent, and Dutch-hemorrhagic analogs of Alzheimer amyloid .beta.-protein. <i>Biochemistry</i> , 1992, 31, 10716-10723.	2.5	254
13	Effects of Sulfate Ions on Alzheimer $\hat{I}^2$ /A4 Peptide Assemblies: Implications for Amyloid Fibril $\hat{A}$ Proteoglycan Interactions. <i>Journal of Neurochemistry</i> , 1992, 59, 1531-1540.	3.9	225
14	Compact myelin exists in the absence of basic protein in the shiverer mutant mouse. <i>Nature</i> , 1980, 283, 207-210.	27.8	224
15	The Formation of Straight and Twisted Filaments from Short Tau Peptides. <i>Journal of Biological Chemistry</i> , 2004, 279, 26868-26875.	3.4	196
16	Water diffusion, T2, and compartmentation in frog sciatic nerve. <i>Magnetic Resonance in Medicine</i> , 1999, 42, 911-918.	3.0	180
17	X-ray Diffraction of Scrapie Prion Rods and PrP Peptides. <i>Journal of Molecular Biology</i> , 1995, 252, 412-422.	4.2	168
18	Conformation and Fibrillogenesis of Alzheimer $\hat{A}^2$ Peptides with Selected Substitution of Charged Residues. <i>Journal of Molecular Biology</i> , 1994, 244, 64-73.	4.2	155

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19	Different Intracellular Pathomechanisms Produce Diverse Myelin Protein Zero Neuropathies in Transgenic Mice. <i>Journal of Neuroscience</i> , 2006, 26, 2358-2368.	3.6	144
20	?1-Antichymotrypsin Binding to Alzheimer A? Peptides Is Sequence Specific and Induces Fibril Disaggregation In Vitro. <i>Journal of Neurochemistry</i> , 1993, 61, 298-305.	3.9	141
21	Evolution of a neuroprotective function of central nervous system myelin. <i>Journal of Cell Biology</i> , 2006, 172, 469-478.	5.2	127
22	Myelin Membrane Structure at 10 Å... Resolution. <i>Nature: New Biology</i> , 1971, 231, 46-52.	4.5	119
23	Myelination in the developing human brain: Biochemical correlates. <i>Neurochemical Research</i> , 1994, 19, 983-996.	3.3	109
24	Polyglutamine homopolymers having 8-45 residues form slablike $\beta^2$ -crystallite assemblies. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 61, 398-411.	2.6	106
25	Structure of Core Domain of Fibril-Forming PHF/Tau Fragments. <i>Biophysical Journal</i> , 2006, 90, 1774-1789.	0.5	104
26	Morphology and antibody recognition of synthetic ?-amyloid peptides. <i>Journal of Neuroscience Research</i> , 1991, 28, 474-485.	2.9	103
27	Peripheral nervous system plasmalogens regulate Schwann cell differentiation and myelination. <i>Journal of Clinical Investigation</i> , 2014, 124, 2560-2570.	8.2	103
28	Designing recombinant spider silk proteins to control assembly. <i>International Journal of Biological Macromolecules</i> , 1999, 24, 265-270.	7.5	102
29	SCAP is required for timely and proper myelin membrane synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 21383-21388.	7.1	99
30	Membrane interactions in nerve myelin: II. Determination of surface charge from biochemical data. <i>Biophysical Journal</i> , 1988, 53, 247-260.	0.5	96
31	Visualization of nonstructural changes in early white matter development on diffusion-weighted MR images: evidence supporting premyelination anisotropy. <i>American Journal of Neuroradiology</i> , 2001, 22, 1572-6.	2.4	93
32	Curcumin derivatives promote Schwann cell differentiation and improve neuropathy in R98C CMT1B mice. <i>Brain</i> , 2012, 135, 3551-3566.	7.6	90
33	Membrane interactions in nerve myelin. I. Determination of surface charge from effects of pH and ionic strength on period. <i>Biophysical Journal</i> , 1988, 53, 235-245.	0.5	85
34	Myelin Membrane Structure and Composition Correlated: A Phylogenetic Study. <i>Journal of Neurochemistry</i> , 1989, 53, 1599-1609.	3.9	82
35	Poly-(L-alanine) expansions form core $\beta^2$ -sheets that nucleate amyloid assembly. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 61, 579-589.	2.6	80
36	Filaments of the Ure2p prion protein have a cross- $\beta^2$ core structure. <i>Journal of Structural Biology</i> , 2005, 150, 170-179.	2.8	77

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37	Cotinine Reduces Amyloid- $\beta^2$ Aggregation and Improves Memory in Alzheimer's Disease Mice. <i>Journal of Alzheimer's Disease</i> , 2011, 24, 817-835.	2.6	77
38	A Single Intravenous rAAV Injection as Late as P20 Achieves Efficacious and Sustained CNS Gene Therapy in Canavan Mice. <i>Molecular Therapy</i> , 2013, 21, 2136-2147.	8.2	77
39	Structural Properties of Gerstmann-StrÅussler-Scheinker Disease Amyloid Protein. <i>Journal of Biological Chemistry</i> , 2003, 278, 48146-48153.	3.4	75
40	Ganglioside localization on myelinated nerve fibres by cholera toxin binding. <i>Journal of Neurocytology</i> , 1983, 12, 921-938.	1.5	67
41	Folding and function of the myelin proteins from primary sequence data. <i>Journal of Neuroscience Research</i> , 1991, 28, 1-17.	2.9	67
42	Collagen type II differs from type I in native molecular packing. <i>Biochimica Et Biophysica Acta (BBA) - Protein Structure</i> , 1980, 626, 346-355.	1.7	66
43	Plasmalogen phospholipids protect internodal myelin from oxidative damage. <i>Free Radical Biology and Medicine</i> , 2015, 84, 296-310.	2.9	65
44	Diffraction Studies of Molecular Organization and Membrane Interactions in Myelin. , 1984, , 51-95.		64
45	Lack of Collagen XV Impairs Peripheral Nerve Maturation and, When Combined with Laminin-411 Deficiency, Leads to Basement Membrane Abnormalities and Sensorimotor Dysfunction. <i>Journal of Neuroscience</i> , 2010, 30, 14490-14501.	3.6	63
46	Processing for electron microscopy alters membrane structure and packing in myelin. <i>Journal of Ultrastructure Research</i> , 1980, 73, 211-232.	1.1	62
47	MpzR98C arrests Schwann cell development in a mouse model of early-onset Charcot-“Marie-“Tooth disease type 1B. <i>Brain</i> , 2012, 135, 2032-2047.	7.6	61
48	Formation of amyloid fibrils in vitro by human gammaD-crystallin and its isolated domains. <i>Molecular Vision</i> , 2008, 14, 81-9.	1.1	61
49	Membrane structure in isolated and intact myelins. <i>Biophysical Journal</i> , 1989, 56, 129-137.	0.5	56
50	Laminin inhibition of $\beta$ -amyloid protein (A $\beta$ ) fibrillogenesis and identification of an A $\beta$ binding site localized to the globular domain repeats on the laminin a chain. <i>Journal of Neuroscience Research</i> , 2000, 62, 451-462.	2.9	55
51	Differential effects of phe19 and phe20 on fibril formation by amyloidogenic peptide A $\beta^{25-35}$ (Ac-KLVFFAE-NH <sub>2</sub> ). <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 2306-2321.	2.6	55
52	A Bacteriophage Capsid Protein Provides a General Amyloid Interaction Motif (GAIM) That Binds and Remodels Misfolded Protein Assemblies. <i>Journal of Molecular Biology</i> , 2014, 426, 2500-2519.	4.2	54
53	Myelin labeled with mercuric chloride. <i>Journal of Molecular Biology</i> , 1982, 157, 635-658.	4.2	52
54	Assemblies of Alzheimer-“s peptides A $\beta^{25-35}$ and A $\beta^{31-35}$ : reverse-turn conformation and side-chain interactions revealed by X-ray diffraction. <i>Journal of Structural Biology</i> , 2003, 141, 156-170.	2.8	52

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55	Is myelin basic protein crystallizable?. <i>Neurochemical Research</i> , 1992, 17, 157-166.	3.3	51
56	Structure and Stability of Internodal Myelin in Mouse Models of Hereditary Neuropathy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2005, 64, 976-990.	1.7	51
57	Myelin Membrane from Adrenoleukodystrophy Brain White Matter?Biochemical Properties. <i>Journal of Neurochemistry</i> , 1983, 41, 341-348.	3.9	49
58	A Survey of Neurological Mutant Mice. pp 99-109. <i>Developmental Neuroscience</i> , 1988, 10, 99-109.	2.0	49
59	Compaction and particle segregation in myelin membrane arrays. <i>Journal of Cell Biology</i> , 1981, 89, 631-644.	5.2	47
60	X-ray diffraction analysis of scrapie prion: intermediate and folded structures in a peptide containing two putative $\alpha$ -helices 1 Edited by F. E. Cohen. <i>Journal of Molecular Biology</i> , 1997, 268, 375-389.	4.2	47
61	$\Delta^2$ Fibrillogenesis: Kinetic Parameters for Fibril Formation from Congo Red Binding. <i>Journal of Structural Biology</i> , 2000, 130, 123-129.	2.8	47
62	Polypeptide Chain Folding in the Hydrophobic Core of Hamster Scrapie Prion: Analysis by X-Ray Diffraction. <i>Journal of Structural Biology</i> , 1998, 122, 247-255.	2.8	45
63	Tetrameric Assembly of Full-Sequence Protein Zero Myelin Glycoprotein by Synchrotron X-Ray Scattering. <i>Biophysical Journal</i> , 1999, 76, 423-437.	0.5	45
64	Analysis of x-ray diffraction patterns from amyloid of biopsied vitreous humor and kidney of transthyretin (TTR) Met30 familial amyloidotic polyneuropathy (FAP) patients: axially arrayed TTR monomers constitute the protofilament. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 1998, 5, 163-174.	3.0	44
65	X-ray diffraction study of myelin structure in immature and mutant mice. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1976, 448, 73-87.	2.6	43
66	Structural changes in a hydrophobic domain of the prion protein induced by hydration and by Ala <sup>106</sup> Val and Pro <sup>106</sup> Leu substitutions Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 2000, 300, 1283-1296.	4.2	42
67	The Amazon rain forest plant <i>Uncaria tomentosa</i> (cat's claw) and its specific proanthocyanidin constituents are potent inhibitors and reducers of both brain plaques and tangles. <i>Scientific Reports</i> , 2019, 9, 561.	3.3	42
68	COMPARATIVE DIFFRACTION STUDIES ON MYELIN MEMBRANES*. <i>Annals of the New York Academy of Sciences</i> , 1972, 195, 309-320.	3.8	41
69	Myelin structure transformed by dimethylsulfoxide.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1975, 72, 3513-3517.	7.1	41
70	X-ray diffraction analysis of tendon collagen at ambient and cryogenic temperatures: role of hydration. <i>International Journal of Biological Macromolecules</i> , 1997, 20, 23-33.	7.5	41
71	Structure of myelin lipid bilayers. <i>Journal of Molecular Biology</i> , 1982, 155, 133-153.	4.2	39
72	In Vitro Amyloid Fibril Formation by Synthetic Peptides Corresponding to the Amino Terminus of apoSAA Isoforms from Amyloid-Susceptible and Amyloid-Resistant Mice. <i>Journal of Structural Biology</i> , 1998, 124, 88-98.	2.8	39

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73	Myelin Structure and Composition in Zebrafish. <i>Neurochemical Research</i> , 2007, 32, 197-209.	3.3	39
74	Alzheimer's $\beta$ -Amyloid: Insights into Fibril Formation and Structure from Congo Red Binding. , 2005, 38, 203-224.		38
75	Effects of ZnCl <sub>2</sub> on membrane interactions in myelin of normal and shiverer mice. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1984, 776, 197-208.	2.6	37
76	Radial component of CNS myelin: Junctional subunit structure and supramolecular assembly. <i>Journal of Neurocytology</i> , 1990, 19, 187-199.	1.5	37
77	Protein and Lipid Composition of Radial Component-Enriched CNS Myelin. <i>Journal of Neurochemistry</i> , 1994, 62, 1203-1213.	3.9	37
78	Betabellins 15D and 16D, de Novo Designed $\beta$ -Sandwich Proteins That Have Amyloidogenic Properties. <i>Journal of Structural Biology</i> , 2000, 130, 363-370.	2.8	36
79	Claudin-11 Tight Junctions in Myelin Are a Barrier to Diffusion and Lack Strong Adhesive Properties. <i>Biophysical Journal</i> , 2015, 109, 1387-1397.	0.5	36
80	Cytologic and molecular analysis of 46,XXq- cells to identify a DNA segment that might serve as a probe for a putative human X chromosome inactivation center. <i>Human Genetics</i> , 1983, 64, 33-38.	3.8	35
81	Myelin P0-Glycoprotein: Predicted Structure and Interactions of Extracellular Domain. <i>Journal of Neurochemistry</i> , 1993, 61, 1987-1995.	3.9	35
82	Multilamellar packing of myelin modeled by lipid-bound MBP. <i>Journal of Neuroscience Research</i> , 2000, 59, 513-521.	2.9	33
83	Gerstmann-Sträussler-Scheinker Disease Amyloid Protein Polymerizes According to the "Dock-and-Lock" Model. <i>Journal of Biological Chemistry</i> , 2006, 281, 843-849.	3.4	33
84	Cytoplasmic Domain of Human Myelin Protein Zero Likely Folded as $\beta$ -Structure in Compact Myelin. <i>Biophysical Journal</i> , 2007, 92, 1585-1597.	0.5	33
85	Shiverer and Normal Peripheral Myelin Compared: Basic Protein Localization, Membrane Interactions, and Lipid Composition. <i>Journal of Neurochemistry</i> , 1985, 45, 1911-1922.	3.9	32
86	Internodal myelination during development quantitated using X-ray diffraction. <i>Journal of Structural Biology</i> , 2009, 168, 521-526.	2.8	32
87	Amyloid-like properties of a synthetic peptide corresponding to the carboxy terminus of $\beta$ -amyloid protein precursor. <i>Archives of Biochemistry and Biophysics</i> , 1992, 292, 199-205.	3.0	31
88	Inherited demyelinating peripheral neuropathies: Relating myelin packing abnormalities to P0 molecular defects. , 1996, 46, 502-508.		31
89	Structural states of myelin observed by x-ray diffraction and freeze-fracture electron microscopy.. <i>Journal of Cell Biology</i> , 1979, 82, 140-149.	5.2	30
90	Histidine residues underlie Congo red binding to $\beta$ analogs. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2000, 7, 179-188.	3.0	27

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91	Mutations in demyelinating peripheral neuropathies support molecular model of myelin PO-glycoprotein extracellular domain. <i>Journal of Neuroscience Research</i> , 1994, 39, 63-69.	2.9	26
92	Myelin protein zero exists as dimers and tetramers in native membranes of <i>Xenopus laevis</i> peripheral nerve. <i>Journal of Neuroscience Research</i> , 2002, 67, 766-771.	2.9	25
93	Myelin structure is unaltered in chemotherapy-induced peripheral neuropathy. <i>NeuroToxicology</i> , 2012, 33, 1-7.	3.0	25
94	Evolution of myelin ultrastructure and the major structural myelin proteins. <i>Brain Research</i> , 2016, 1641, 43-63.	2.2	25
95	X-ray diffraction study of the kinetics of myelin lattice swelling. Effect of divalent cations. <i>Biophysical Journal</i> , 1979, 28, 231-239.	0.5	24
96	Myelin Organization in the Nodal, Paranodal, and Juxtaparanodal Regions Revealed by Scanning X-Ray Microdiffraction. <i>PLoS ONE</i> , 2014, 9, e100592.	2.5	24
97	Shiverer*jimpy double mutant mice. II. Morphological evidence supports reciprocal intergenic suppression. <i>Brain Research</i> , 1986, 374, 54-62.	2.2	23
98	Differential expression of gangliosides on the surfaces of myelinated nerve fibers. <i>Journal of Neuroscience Research</i> , 1984, 12, 245-255.	2.9	22
99	P0 (Protein Zero) Mutation S34C Underlies Instability of Internodal Myelin in S63C Mice. <i>Journal of Biological Chemistry</i> , 2010, 285, 42001-42012.	3.4	21
100	Triethyl tin-induced myelin oedema: an intermediate swelling state detected by X-ray diffraction. <i>Journal of Neurocytology</i> , 1982, 11, 559-569.	1.5	20
101	Membrane Interactions Are Altered in Myelin Isolated from Central and Peripheral Nervous System Tissues. <i>Journal of Neurochemistry</i> , 1988, 51, 228-236.	3.9	20
102	Immunolocalization of 17 and 21.5 kDa MBP isoforms in compact myelin and radial component. <i>Journal of Neurocytology</i> , 1996, 25, 1-7.	1.5	20
103	Molecular Organization of Amyloid Protofilament-Like Assembly of Betabellin 15D: Helical Array of $\beta^2$ -Sandwiches. <i>Biophysical Journal</i> , 2002, 83, 1716-1727.	0.5	20
104	rAAV Gene Therapy in a Canavan's Disease Mouse Model Reveals Immune Impairments and an Extended Pathology Beyond the Central Nervous System. <i>Molecular Therapy</i> , 2016, 24, 1030-1041.	8.2	18
105	A Survey of Neurological Mutant Mice. <i>Developmental Neuroscience</i> , 1988, 10, 123-140.	2.0	17
106	X-ray Fiber and Powder Diffraction of PrP Prion Peptides. <i>Advances in Protein Chemistry</i> , 2006, 73, 181-215.	4.4	16
107	Fiber Diffraction As a Screen for Amyloid Inhibitors. <i>Current Alzheimer Research</i> , 2008, 5, 288-307.	1.4	16
108	Membrane adhesion in peripheral myelin: good and bad wraps with protein P0. <i>Structure</i> , 1996, 4, 1239-1244.	3.3	15

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109	Morphological evidence of alteration in myelin structure with maturation. <i>Brain Research</i> , 1976, 113, 487-497.	2.2	14
110	Orientation of Proteolipid Protein in Myelin: Comparison of Models with X-Ray Diffraction Measurements. <i>Developmental Neuroscience</i> , 1989, 11, 81-89.	2.0	14
111	Jimmy 4J: A New X-Linked Mouse Mutation Producing Severe CNS Hypomyelination (Part 1 of 2). <i>Developmental Neuroscience</i> , 1995, 17, 300-305.	2.0	14
112	Effects of Rumpshaker Mutation on CNS Myelin Composition and Structure. <i>Journal of Neurochemistry</i> , 2002, 66, 338-345.	3.9	14
113	Implications of the sequence similarities between tau and myelin basic protein. <i>Medical Hypotheses</i> , 1995, 45, 235-240.	1.5	13
114	Peripheral myelin of <i>Xenopus laevis</i> : Role of electrostatic and hydrophobic interactions in membrane compaction. <i>Journal of Structural Biology</i> , 2008, 162, 170-183.	2.8	13
115	Shiverer <sup>+</sup> -jimmy double mutant mice. III. Comparison of shimld <sup>+</sup> -jpmsd and shi <sup>+</sup> -jp phenotypes demonstrates dissimilar interactions of allelic mutations. <i>Molecular Brain Research</i> , 1987, 2, 199-214.	2.3	12
116	Membrane topology of PLP in CNS myelin: Evaluation of models. <i>Neurochemical Research</i> , 1994, 19, 975-981.	3.3	12
117	Molecular characterization of myelin protein zero in <i>Xenopus laevis</i> peripheral nerve: Equilibrium between non-covalently associated dimer and monomer. <i>International Journal of Mass Spectrometry</i> , 2007, 268, 304-315.	1.5	12
118	The P0 Gene. , 2004, , 523-545.		12
119	Twist and Sheet: Variations on the Theme of Amyloid. <i>Journal of Structural Biology</i> , 2000, 130, 87.	2.8	11
120	Neutron scattering from myelin revisited: bilayer asymmetry and water-exchange kinetics. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 3198-3211.	2.5	11
121	Exploiting Sphingo- and Glycerophospholipid Impairment to Select Effective Drugs and Biomarkers for CMT1A. <i>Frontiers in Neurology</i> , 2020, 11, 903.	2.4	11
122	Diffraction Studies of Molecular Organization in Myelin. , 1977, , 51-89.		11
123	New X-ray spacings from central myelinated tissue. <i>Journal of Neurocytology</i> , 1984, 13, 883-894.	1.5	10
124	X-ray diffraction analysis of myelin lipid/proteolipid protein multilayers. <i>Journal of Neuroscience Research</i> , 1989, 24, 192-200.	2.9	10
125	Cytoplasmic Domain of Zebrafish Myelin Protein Zero: Adhesive Role Depends on $\beta$ -Conformation. <i>Biophysical Journal</i> , 2007, 93, 3515-3528.	0.5	10
126	Rapid assessment of internodal myelin integrity in central nervous system tissue. <i>Journal of Neuroscience Research</i> , 2010, 88, 712-721.	2.9	10

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127	Myelin structure in unfixed, single nerve fibers: Scanning X-ray microdiffraction with a beam size of 200 nm. <i>Journal of Structural Biology</i> , 2017, 200, 229-243.	2.8	10
128	Refined Fibril Structures: The Hydrophobic Core in Alzheimer's Amyloid $\beta$ -Protein and Prion as Revealed by X-ray Diffraction. <i>Novartis Foundation Symposium</i> , 1996, 199, 22-46.	1.1	10
129	Phylogenetically Conserved Amino Acids of MBP and P0 from Amphibian Myelin. <i>Journal of Molecular Neuroscience</i> , 1992, 3, 185-188.	2.3	9
130	The A2V mutation as a new tool for hindering A $\beta$ aggregation: A neutron and x-ray diffraction study. <i>Scientific Reports</i> , 2017, 7, 5510.	3.3	9
131	Peripheral nervous system manifestations in a Sandhoff disease mouse model: nerve conduction, myelin structure, lipid analysis. <i>Journal of Negative Results in BioMedicine</i> , 2007, 6, 8.	1.4	8
132	Myelin Abnormalities in the Optic and Sciatic Nerves in Mice With GM1-Gangliosidosis. <i>ASN Neuro</i> , 2015, 7, 175909141556891.	2.7	8
133	Thioridazine induces lipid peroxidation in myelin of rat brain. <i>Neuropharmacology</i> , 1993, 32, 157-167.	4.1	7
134	Spinal cord myelin is vulnerable to decompression. <i>Molecular and Chemical Neuropathology</i> , 1997, 30, 273-288.	1.0	7
135	Neutron diffraction studies of nerve myelin. <i>Brookhaven Symposia in Biology</i> , 1976, , III68-III76.	0.2	7
136	Comparative diffraction studies on myelin membranes. <i>Annals of the New York Academy of Sciences</i> , 1972, 195, 309-20.	3.8	7
137	Quaking <sup>+</sup> -jimpy double mutant mice: additional evidence for independence of primary deficits in jimpy. <i>Molecular Brain Research</i> , 1990, 7, 189-198.	2.3	6
138	Fine-Structure and Supramolecular Organization of the Radial Component of CNS Myelin. <i>Annals of the New York Academy of Sciences</i> , 1990, 605, 430-434.	3.8	5
139	Restricted hypotonic swelling of peripheral nerve myelin in streptozocin-induced diabetic rats. <i>Journal of Neuroscience Research</i> , 1994, 38, 142-148.	2.9	5
140	COMPARATIVE X-RAY AND NEUTRON DIFFRACTION FROM NERVE MYELIN MEMBRANES. , 1974, , 203-233.		5
141	Proton magnetic resonance in myelin deficient brains of mutant mice. <i>Journal of the Neurological Sciences</i> , 1989, 91, 85-96.	0.6	4
142	X-ray fibre diffraction analysis of assemblies formed by prion-related peptides: Polymorphism of the heterodimer interface between PrP <sup>C</sup> and PrP <sup>Sc</sup> . <i>Fibre Diffraction Review</i> , 2003, 11, 102.	0.6	4
143	Quantitative Differences between Homozygous 'USA' and 'Swiss' $\beta$ -Mutant Mice. <i>Developmental Neuroscience</i> , 1991, 13, 87-97.	2.0	3
144	Expression and Purification of the Extracellular Domain of Human Myelin Protein Zero. <i>Protein Expression and Purification</i> , 2001, 23, 398-410.	1.3	3

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145	Myelin structure and composition of myelinated tissue in the African lungfish. <i>Neuron Glia Biology</i> , 2008, 4, 59-70.	1.6	3
146	Phylogenetic Aspects of Myelin Structure. , 1990, , 373-387.		3
147	PO-glycoprotein of myelin: Orientation of its extracellular domain in homophilic adhesion. <i>Journal of Neuroimmunology</i> , 1991, 35, 153.	2.3	2
148	X-ray Diffraction for Characterizing Structure in Protein Aggregates. , 2006, , 167-191.		2
149	<i>Shiverer*jimpy</i> Double Mutant Mice. <i>Developmental Neuroscience</i> , 1991, 13, 138-142.	2.0	1
150	Electron Microscopy and X-ray Diffraction Studies further Confirm the Efficacy of PTI-00703 <sup>®</sup> (Cat's Tj ETQq0 0 0 rgBT /Overlock 10 T		1
151	Myelin: A One-Dimensional Biological "Crystal" for X-Ray and Neutron Scattering. , 2009, , 75-94.		1
152	Generation of DM-20 splice site in myelin proteolipid protein gene: a hypothesis based on analysis of the amphibian protein. <i>Peptide Research</i> , 1991, 4, 227-9.	0.2	1
153	Dynamics of myelin membrane contacts. <i>Society of General Physiologists Series</i> , 1980, 34, 195-211.	0.6	1
154	Metabolically-incorporated deuterium in myelin localized by neutron diffraction and identified by mass spectrometry. <i>Current Research in Structural Biology</i> , 2022, 4, 231-245.	2.2	1
155	171 HI-NMR RELAXATION TIMES IN MYELIN DEFICIENT BRAINS OF MUTANT MICE. <i>Investigative Radiology</i> , 1986, 21, S43.	6.2	0
156	A Survey of Neurological Mutant Mice. pp 110-122. <i>Developmental Neuroscience</i> , 1988, 10, 110-122.	2.0	0
157	Freeze Fracture Studies of Particle Segregation in Compacted Myelin. <i>Proceedings Annual Meeting Electron Microscopy Society of America</i> , 1977, 35, 600-601.	0.0	0
158	Comparison of amyloid from Alzheimer's disease with synthetic peptide. , 1988, , 604-607.		0
159	X-ray Diffraction for Characterizing Structure in Protein Aggregates. , 2006, , 167-191.		0