

Daniel A Kirschner

List of Publications by Year in descending order

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159
papers

12,803
citations

41627

51
h-index

27587

110
g-index

164
all docs

164
docs citations

164
times ranked

10636
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.1	1
2	Exploiting Sphingo- and Glycerophospholipid Impairment to Select Effective Drugs and Biomarkers for CMT1A. <i>Frontiers in Neurology</i> , 2020, 11, 903.	1.1	11
3	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.	1.6	42
4	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.	1.3	10
5	The A2V mutation as a new tool for hindering A β aggregation: A neutron and x-ray diffraction study. <i>Scientific Reports</i> , 2017, 7, 5510.	1.6	9
6	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.	3.7	18
7	Evolution of myelin ultrastructure and the major structural myelin proteins. <i>Brain Research</i> , 2016, 1641, 43-63.	1.1	25
8	Claudin-11 Tight Junctions in Myelin Are a Barrier to Diffusion and Lack Strong Adhesive Properties. <i>Biophysical Journal</i> , 2015, 109, 1387-1397.	0.2	36
9	Myelin Abnormalities in the Optic and Sciatic Nerves in Mice With GM1-Gangliosidosis. <i>ASN Neuro</i> , 2015, 7, 175909141556891.	1.5	8
10	Plasmalogen phospholipids protect internodal myelin from oxidative damage. <i>Free Radical Biology and Medicine</i> , 2015, 84, 296-310.	1.3	65
11	Myelin Organization in the Nodal, Paranodal, and Juxtaparanodal Regions Revealed by Scanning X-Ray Microdiffraction. <i>PLoS ONE</i> , 2014, 9, e100592.	1.1	24
12	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
13	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.	2.0	54
14	Peripheral nervous system plasmalogens regulate Schwann cell differentiation and myelination. <i>Journal of Clinical Investigation</i> , 2014, 124, 2560-2570.	3.9	103
15	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.	3.7	77
16	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.	3.7	61
17	Curcumin derivatives promote Schwann cell differentiation and improve neuropathy in R98C CMT1B mice. <i>Brain</i> , 2012, 135, 3551-3566.	3.7	90
18	Myelin structure is unaltered in chemotherapy-induced peripheral neuropathy. <i>NeuroToxicology</i> , 2012, 33, 1-7.	1.4	25

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19	Cotinine Reduces Amyloid- β^2 Aggregation and Improves Memory in Alzheimer's Disease Mice. <i>Journal of Alzheimer's Disease</i> , 2011, 24, 817-835.	1.2	77
20	Rapid assessment of internodal myelin integrity in central nervous system tissue. <i>Journal of Neuroscience Research</i> , 2010, 88, 712-721.	1.3	10
21	Differential effects of phe19 and phe20 on fibril formation by amyloidogenic peptide A β^{1-22} (Ac-EKLVFFAE-NH ₂). <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 2306-2321.	1.5	55
22	PO (Protein Zero) Mutation S34C Underlies Instability of Internodal Myelin in S63C Mice. <i>Journal of Biological Chemistry</i> , 2010, 285, 42001-42012.	1.6	21
23	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.	1.7	63
24	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.	3.3	99
25	Myelin: A One-Dimensional Biological "Crystal" for X-Ray and Neutron Scattering. , 2009, , 75-94.		1
26	Internodal myelination during development quantitated using X-ray diffraction. <i>Journal of Structural Biology</i> , 2009, 168, 521-526.	1.3	32
27	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.	1.3	13
28	Constitutively Active Akt Induces Enhanced Myelination in the CNS. <i>Journal of Neuroscience</i> , 2008, 28, 7174-7183.	1.7	310
29	Myelin structure and composition of myelinated tissue in the African lungfish. <i>Neuron Glia Biology</i> , 2008, 4, 59-70.	2.0	3
30	Fiber Diffraction As a Screen for Amyloid Inhibitors. <i>Current Alzheimer Research</i> , 2008, 5, 288-307.	0.7	16
31	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
32	Cytoplasmic Domain of Human Myelin Protein Zero Likely Folded as β^2 -Structure in Compact Myelin. <i>Biophysical Journal</i> , 2007, 92, 1585-1597.	0.2	33
33	Cytoplasmic Domain of Zebrafish Myelin Protein Zero: Adhesive Role Depends on β^2 -Conformation. <i>Biophysical Journal</i> , 2007, 93, 3515-3528.	0.2	10
34	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
35	Myelin Structure and Composition in Zebrafish. <i>Neurochemical Research</i> , 2007, 32, 197-209.	1.6	39
36	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.	0.7	12

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37	Structure of Core Domain of Fibril-Forming PHF/Tau Fragments. <i>Biophysical Journal</i> , 2006, 90, 1774-1789.	0.2	104
38	Evolution of a neuroprotective function of central nervous system myelin. <i>Journal of Cell Biology</i> , 2006, 172, 469-478.	2.3	127
39	Gerstmann-Str�ussler-Scheinker Disease Amyloid Protein Polymerizes According to the "Dock-and-Lock" Model. <i>Journal of Biological Chemistry</i> , 2006, 281, 843-849.	1.6	33
40	X-ray Fiber and Powder Diffraction of PrP Prion Peptides. <i>Advances in Protein Chemistry</i> , 2006, 73, 181-215.	4.4	16
41	Different Intracellular Pathomechanisms Produce Diverse Myelin Protein Zero Neuropathies in Transgenic Mice. <i>Journal of Neuroscience</i> , 2006, 26, 2358-2368.	1.7	144
42	X-ray Diffraction for Characterizing Structure in Protein Aggregates. , 2006, , 167-191.		2
43	X-ray Diffraction for Characterizing Structure in Protein Aggregates. , 2006, , 167-191.		0
44	Structure and Stability of Internodal Myelin in Mouse Models of Hereditary Neuropathy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2005, 64, 976-990.	0.9	51
45	Poly-(L-alanine) expansions form core β -sheets that nucleate amyloid assembly. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 61, 579-589.	1.5	80
46	Polyglutamine homopolymers having 8-45 residues form slablike β -crystallite assemblies. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 61, 398-411.	1.5	106
47	Filaments of the Ure2p prion protein have a cross- β core structure. <i>Journal of Structural Biology</i> , 2005, 150, 170-179.	1.3	77
48	Alzheimer's β -Amyloid: Insights into Fibril Formation and Structure from Congo Red Binding. , 2005, 38, 203-224.		38
49	The Formation of Straight and Twisted Filaments from Short Tau Peptides. <i>Journal of Biological Chemistry</i> , 2004, 279, 26868-26875.	1.6	196
50	The P0 Gene. , 2004, , 523-545.		12
51	Assemblies of Alzheimer's peptides A β ²⁵⁻³⁵ and A β ³¹⁻³⁵ : reverse-turn conformation and side-chain interactions revealed by X-ray diffraction. <i>Journal of Structural Biology</i> , 2003, 141, 156-170.	1.3	52
52	Structural Properties of Gerstmann-Str�ussler-Scheinker Disease Amyloid Protein. <i>Journal of Biological Chemistry</i> , 2003, 278, 48146-48153.	1.6	75
53	X-ray fibre diffraction analysis of assemblies formed by prion-related peptides: Polymorphism of the heterodimer interface between PrP ^C and PrP ^{Sc} . <i>Fibre Diffraction Review</i> , 2003, 11, 102.	0.6	4
54	Molecular Organization of Amyloid Protofilament-Like Assembly of Betabellin 15D: Helical Array of β -Sandwiches. <i>Biophysical Journal</i> , 2002, 83, 1716-1727.	0.2	20

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55	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.	1.3	25
56	Effects of Rumpshaker Mutation on CNS Myelin Composition and Structure. <i>Journal of Neurochemistry</i> , 2002, 66, 338-345.	2.1	14
57	Expression and Purification of the Extracellular Domain of Human Myelin Protein Zero. <i>Protein Expression and Purification</i> , 2001, 23, 398-410.	0.6	3
58	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.	1.2	93
59	Multilamellar packing of myelin modeled by lipid-bound MBP. , 2000, 59, 513-521.		33
60	Laminin inhibition of β -amyloid protein (A β) fibrillogenesis and identification of an A β binding site localized to the globular domain repeats on the laminin α chain. <i>Journal of Neuroscience Research</i> , 2000, 62, 451-462.	1.3	55
61	Structural changes in a hydrophobic domain of the prion protein induced by hydration and by Ala \rightarrow Val and Pro \rightarrow Leu substitutions ¹¹ Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 2000, 300, 1283-1296.	2.0	42
62	A β Fibrillogenesis: Kinetic Parameters for Fibril Formation from Congo Red Binding. <i>Journal of Structural Biology</i> , 2000, 130, 123-129.	1.3	47
63	Betabellins 15D and 16D, de Novo Designed β -Sandwich Proteins That Have Amyloidogenic Properties. <i>Journal of Structural Biology</i> , 2000, 130, 363-370.	1.3	36
64	Twist and Sheet: Variations on the Theme of Amyloid. <i>Journal of Structural Biology</i> , 2000, 130, 87.	1.3	11
65	Histidine residues underlie Congo red binding to A β 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.	1.4	27
66	Water diffusion, T2, and compartmentation in frog sciatic nerve. <i>Magnetic Resonance in Medicine</i> , 1999, 42, 911-918.	1.9	180
67	Tetrameric Assembly of Full-Sequence Protein Zero Myelin Glycoprotein by Synchrotron X-Ray Scattering. <i>Biophysical Journal</i> , 1999, 76, 423-437.	0.2	45
68	Designing recombinant spider silk proteins to control assembly. <i>International Journal of Biological Macromolecules</i> , 1999, 24, 265-270.	3.6	102
69	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.	1.3	45
70	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.	1.3	39
71	Structural Analysis of Alzheimer's β (1-40) Amyloid: Protofilament Assembly of Tubular Fibrils. <i>Biophysical Journal</i> , 1998, 74, 537-545.	0.2	266
72	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.	1.4	44

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73	Kinetic theory of fibrillogenesis of amyloid A β -protein. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 7942-7947.	3.3	534
74	X-ray diffraction analysis of scrapie prion: intermediate and folded structures in a peptide containing two putative β -helices 1 Edited by F. E. Cohen. Journal of Molecular Biology, 1997, 268, 375-389.	2.0	47
75	X-ray diffraction analysis of tendon collagen at ambient and cryogenic temperatures: role of hydration. International Journal of Biological Macromolecules, 1997, 20, 23-33.	3.6	41
76	Spinal cord myelin is vulnerable to decompression. Molecular and Chemical Neuropathology, 1997, 30, 273-288.	1.0	7
77	On the nucleation and growth of amyloid beta-protein fibrils: detection of nuclei and quantitation of rate constants.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 1125-1129.	3.3	781
78	Immunolocalization of 17 and 21.5 kDa MBP isoforms in compact myelin and radial component. Journal of Neurocytology, 1996, 25, 1-7.	1.6	20
79	Membrane adhesion in peripheral myelin: good and bad wraps with protein P0. Structure, 1996, 4, 1239-1244.	1.6	15
80	Inherited demyelinating peripheral neuropathies: Relating myelin packing abnormalities to P0 molecular defects. , 1996, 46, 502-508.		31
81	Refined Fibril Structures: The Hydrophobic Core in Alzheimer's Amyloid A β -Protein and Prion as Revealed by X-ray Diffraction. Novartis Foundation Symposium, 1996, 199, 22-46.	1.2	10
82	Jimmy 4J: A New X-Linked Mouse Mutation Producing Severe CNS Hypomyelination (Part 1 of 2). Developmental Neuroscience, 1995, 17, 300-305.	1.0	14
83	Implications of the sequence similarities between tau and myelin basic protein. Medical Hypotheses, 1995, 45, 235-240.	0.8	13
84	X-ray Diffraction of Scrapie Prion Rods and PrP Peptides. Journal of Molecular Biology, 1995, 252, 412-422.	2.0	168
85	Membrane topology of PLP in CNS myelin: Evaluation of models. Neurochemical Research, 1994, 19, 975-981.	1.6	12
86	Myelination in the developing human brain: Biochemical correlates. Neurochemical Research, 1994, 19, 983-996.	1.6	109
87	Restricted hypotonic swelling of peripheral nerve myelin in streptozocin-induced diabetic rats. Journal of Neuroscience Research, 1994, 38, 142-148.	1.3	5
88	Mutations in demyelinating peripheral neuropathies support molecular model of myelin PO-glycoprotein extracellular domain. Journal of Neuroscience Research, 1994, 39, 63-69.	1.3	26
89	Conformation and Fibrillogenesis of Alzheimer A β Peptides with Selected Substitution of Charged Residues. Journal of Molecular Biology, 1994, 244, 64-73.	2.0	155
90	Mice deficient for the glycoprotein show subtle abnormalities in myelin. Neuron, 1994, 13, 229-246.	3.8	356

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91	Protein and Lipid Composition of Radial Component-Enriched CNS Myelin. <i>Journal of Neurochemistry</i> , 1994, 62, 1203-1213.	2.1	37
92	β 1-Antichymotrypsin Binding to Alzheimer A β Peptides Is Sequence Specific and Induces Fibril Disaggregation In Vitro. <i>Journal of Neurochemistry</i> , 1993, 61, 298-305.	2.1	141
93	Myelin PO-Glycoprotein: Predicted Structure and Interactions of Extracellular Domain. <i>Journal of Neurochemistry</i> , 1993, 61, 1987-1995.	2.1	35
94	Thioridazine induces lipid peroxidation in myelin of rat brain. <i>Neuropharmacology</i> , 1993, 32, 157-167.	2.0	7
95	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.	0.2	292
96	Phylogenetically Conserved Amino Acids of MBP and PO from Amphibian Myelin. <i>Journal of Molecular Neuroscience</i> , 1992, 3, 185-188.	1.1	9
97	Fibril formation by primate, rodent, and Dutch-hemorrhagic analogs of Alzheimer amyloid β -protein. <i>Biochemistry</i> , 1992, 31, 10716-10723.	1.2	254
98	Amyloid-like properties of a synthetic peptide corresponding to the carboxy terminus of β 2-amyloid protein precursor. <i>Archives of Biochemistry and Biophysics</i> , 1992, 292, 199-205.	1.4	31
99	Is myelin basic protein crystallizable?. <i>Neurochemical Research</i> , 1992, 17, 157-166.	1.6	51
100	Effects of Sulfate Ions on Alzheimer β /A4 Peptide Assemblies: Implications for Amyloid Fibril-Proteoglycan Interactions. <i>Journal of Neurochemistry</i> , 1992, 59, 1531-1540.	2.1	225
101	PO-glycoprotein of myelin: Orientation of its extracellular domain in homophilic adhesion. <i>Journal of Neuroimmunology</i> , 1991, 35, 153.	1.1	2
102	pH-dependent structural transitions of Alzheimer amyloid peptides. <i>Biophysical Journal</i> , 1991, 60, 1190-1201.	0.2	377
103	<i>Shiverer*jimpy</i> Double Mutant Mice. <i>Developmental Neuroscience</i> , 1991, 13, 138-142.	1.0	1
104	Quantitative Differences between Homozygous 'USA' and 'Swiss' β Mutant Mice. <i>Developmental Neuroscience</i> , 1991, 13, 87-97.	1.0	3
105	Folding and function of the myelin proteins from primary sequence data. <i>Journal of Neuroscience Research</i> , 1991, 28, 1-17.	1.3	67
106	Morphology and antibody recognition of synthetic β -amyloid peptides. <i>Journal of Neuroscience Research</i> , 1991, 28, 474-485.	1.3	103
107	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
108	Neurotrophic and neurotoxic effects of amyloid beta protein: reversal by tachykinin neuropeptides. <i>Science</i> , 1990, 250, 279-282.	6.0	2,008

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109	Radial component of CNS myelin: Junctional subunit structure and supramolecular assembly. <i>Journal of Neurocytology</i> , 1990, 19, 187-199.	1.6	37
110	Quaking ⁺ —jimpy double mutant mice: additional evidence for independence of primary deficits in jimpy. <i>Molecular Brain Research</i> , 1990, 7, 189-198.	2.5	6
111	Molecular determinants of amyloid deposition in Alzheimer's disease: conformational studies of synthetic .beta.-protein fragments. <i>Biochemistry</i> , 1990, 29, 2639-2644.	1.2	310
112	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.	1.8	5
113	Phylogenetic Aspects of Myelin Structure. , 1990, , 373-387.		3
114	Orientation of Proteolipid Protein in Myelin: Comparison of Models with X-Ray Diffraction Measurements. <i>Developmental Neuroscience</i> , 1989, 11, 81-89.	1.0	14
115	Membrane structure in isolated and intact myelins. <i>Biophysical Journal</i> , 1989, 56, 129-137.	0.2	56
116	Proton magnetic resonance in myelin deficient brains of mutant mice. <i>Journal of the Neurological Sciences</i> , 1989, 91, 85-96.	0.3	4
117	X-ray diffraction analysis of myelin lipid/proteolipid protein multilayers. <i>Journal of Neuroscience Research</i> , 1989, 24, 192-200.	1.3	10
118	Myelin Membrane Structure and Composition Correlated: A Phylogenetic Study. <i>Journal of Neurochemistry</i> , 1989, 53, 1599-1609.	2.1	82
119	Membrane Interactions Are Altered in Myelin Isolated from Central and Peripheral Nervous System Tissues. <i>Journal of Neurochemistry</i> , 1988, 51, 228-236.	2.1	20
120	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.	0.2	85
121	Membrane interactions in nerve myelin: II. Determination of surface charge from biochemical data. <i>Biophysical Journal</i> , 1988, 53, 247-260.	0.2	96
122	A Survey of Neurological Mutant Mice. pp 99â€“109. <i>Developmental Neuroscience</i> , 1988, 10, 99-109.	1.0	49
123	A Survey of Neurological Mutant Mice. <i>Developmental Neuroscience</i> , 1988, 10, 123-140.	1.0	17
124	A Survey of Neurological Mutant Mice. pp 110â€“122. <i>Developmental Neuroscience</i> , 1988, 10, 110-122.	1.0	0
125	Comparison of amyloid from Alzheimerâ€™s disease with synthetic peptide. , 1988, , 604-607.		0
126	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.	3.3	498

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127	Shiverer ⁺ —jimpy double mutant mice. III. Comparison of shimld ⁺ —jpmsd and shi ⁺ —jp phenotypes demonstrates dissimilar interactions of allelic mutations. <i>Molecular Brain Research</i> , 1987, 2, 199-214.	2.5	12
128	Shiverer ⁺ *jimpy double mutant mice. II. Morphological evidence supports reciprocal intergenic suppression. <i>Brain Research</i> , 1986, 374, 54-62.	1.1	23
129	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.	3.3	540
130	171 H1-NMR RELAXATION TIMES IN MYELIN DEFICIENT BRAINS OF MUTANT MICE. <i>Investigative Radiology</i> , 1986, 21, S43.	3.5	0
131	Shiverer and Normal Peripheral Myelin Compared: Basic Protein Localization, Membrane Interactions, and Lipid Composition. <i>Journal of Neurochemistry</i> , 1985, 45, 1911-1922.	2.1	32
132	Differential expression of gangliosides on the surfaces of myelinated nerve fibers. <i>Journal of Neuroscience Research</i> , 1984, 12, 245-255.	1.3	22
133	New X-ray spacings from central myelinated tissue. <i>Journal of Neurocytology</i> , 1984, 13, 883-894.	1.6	10
134	Effects of ZnCl ₂ on membrane interactions in myelin of normal and shiverer mice. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1984, 776, 197-208.	1.4	37
135	Diffraction Studies of Molecular Organization and Membrane Interactions in Myelin. , 1984, , 51-95.		64
136	Myelin Membrane from Adrenoleukodystrophy Brain White Matter?Biochemical Properties. <i>Journal of Neurochemistry</i> , 1983, 41, 341-348.	2.1	49
137	Ganglioside localization on myelinated nerve fibres by cholera toxin binding. <i>Journal of Neurocytology</i> , 1983, 12, 921-938.	1.6	67
138	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.	1.8	35
139	Structure of myelin lipid bilayers. <i>Journal of Molecular Biology</i> , 1982, 155, 133-153.	2.0	39
140	Myelin labeled with mercuric chloride. <i>Journal of Molecular Biology</i> , 1982, 157, 635-658.	2.0	52
141	Triethyl tin-induced myelin oedema: an intermediate swelling state detected by X-ray diffraction. <i>Journal of Neurocytology</i> , 1982, 11, 559-569.	1.6	20
142	Compaction and particle segregation in myelin membrane arrays. <i>Journal of Cell Biology</i> , 1981, 89, 631-644.	2.3	47
143	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
144	Compact myelin exists in the absence of basic protein in the shiverer mutant mouse. <i>Nature</i> , 1980, 283, 207-210.	13.7	224

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145	Processing for electron microscopy alters membrane structure and packing in myelin. Journal of Ultrastructure Research, 1980, 73, 211-232.	1.4	62
146	Dynamics of myelin membrane contacts. Society of General Physiologists Series, 1980, 34, 195-211.	0.6	1
147	Structural states of myelin observed by x-ray diffraction and freeze-fracture electron microscopy.. Journal of Cell Biology, 1979, 82, 140-149.	2.3	30
148	X-ray diffraction study of the kinetics of myelin lattice swelling. Effect of divalent cations. Biophysical Journal, 1979, 28, 231-239.	0.2	24
149	Diffraction Studies of Molecular Organization in Myelin. , 1977, , 51-89.		11
150	Freeze Fracture Studies of Particle Segregation in Compacted Myelin. Proceedings Annual Meeting Electron Microscopy Society of America, 1977, 35, 600-601.	0.0	0
151	Morphological evidence of alteration in myelin structure with maturation. Brain Research, 1976, 113, 487-497.	1.1	14
152	X-ray diffraction study of myelin structure in immature and mutant mice. Biochimica Et Biophysica Acta - Biomembranes, 1976, 448, 73-87.	1.4	43
153	Neutron diffraction studies of nerve myelin. Brookhaven Symposia in Biology, 1976, , III68-III76.	0.2	7
154	Myelin structure transformed by dimethylsulfoxide.. Proceedings of the National Academy of Sciences of the United States of America, 1975, 72, 3513-3517.	3.3	41
155	COMPARATIVE X-RAY AND NEUTRON DIFFRACTION FROM NERVE MYELIN MEMBRANES. , 1974, , 203-233.		5
156	COMPARATIVE DIFFRACTION STUDIES ON MYELIN MEMBRANES*. Annals of the New York Academy of Sciences, 1972, 195, 309-320.	1.8	41
157	Comparative diffraction studies on myelin membranes. Annals of the New York Academy of Sciences, 1972, 195, 309-20.	1.8	7
158	Myelin Membrane Structure at 10 Å... Resolution. Nature: New Biology, 1971, 231, 46-52.	4.5	119
159	Electron Microscopy and X-ray Diffraction Studies further Confirm the Efficacy of PTI-00703Â® (Cat's) Tj ETQq1 1 0.784314 rgBT /Overl		