Arne Raasakka

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6914264/publications.pdf

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32	640	759233 12	677142 22
papers	citations	h-index	g-index

50	50	50	767
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antagonistic Functions of MBP and CNP Establish Cytosolic Channels in CNS Myelin. Cell Reports, 2017, 18, 314-323.	6.4	145
2	Membrane Association Landscape of Myelin Basic Protein Portrays Formation of the Myelin Major Dense Line. Scientific Reports, 2017, 7, 4974.	3.3	63
3	The myelin membrane-associated enzyme 2â€²,3â€²-cyclic nucleotide 3â€²-phosphodiesterase: on a highway to structure and function. Neuroscience Bulletin, 2014, 30, 956-966.	2.9	52
4	Molecular structure and function of myelin protein P0 in membrane stacking. Scientific Reports, 2019, 9, 642.	3.3	41
5	Molecular mechanisms of Charcot-Marie-Tooth neuropathy linked to mutations in human myelin protein P2. Scientific Reports, 2017, 7, 6510.	3.3	33
6	Myelin 2â€²,3â€²-Cyclic Nucleotide 3â€²-Phosphodiesterase: Active-Site Ligand Binding and Molecular Conformation. PLoS ONE, 2012, 7, e32336.	2.5	31
7	Structural and functional evolution of 2â€²,3â€²-cyclic nucleotide 3â€²-phosphodiesterase. Brain Research, 2016, 1641, 64-78.	2.2	27
8	Determinants of ligand binding and catalytic activity in the myelin enzyme 2â€²,3â€²-cyclic nucleotide 3â€²-phosphodiesterase. Scientific Reports, 2015, 5, 16520.	3.3	26
9	Structure and dynamics of a human myelin protein P2 portal region mutant indicate opening of the Î² barrel in fatty acid binding proteins. BMC Structural Biology, 2018, 18, 8.	2.3	19
10	Flexible Players within the Sheaths: The Intrinsically Disordered Proteins of Myelin in Health and Disease. Cells, 2020, 9, 470.	4.1	19
11	Crystallographic Analysis of the Reaction Cycle of 2â€²,3â€²-Cyclic Nucleotide 3â€²-Phosphodiesterase, a Unique Member of the 2H Phosphoesterase Family. Journal of Molecular Biology, 2013, 425, 4307-4322.	4.2	16
12	How Does Protein Zero Assemble Compact Myelin?. Cells, 2020, 9, 1832.	4.1	15
13	Cryo-EM, X-ray diffraction, and atomistic simulations reveal determinants for the formation of a supramolecular myelin-like proteolipid lattice. Journal of Biological Chemistry, 2020, 295, 8692-8705.	3.4	15
14	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
15	Production, crystallization and neutron diffraction of fully deuterated human myelin peripheral membrane protein P2. Acta Crystallographica Section F, Structural Biology Communications, 2015, 71, 1391-1395.	0.8	11
16	Neuropathy-related mutations alter the membrane binding properties of the human myelin protein P0 cytoplasmic tail. PLoS ONE, 2019, 14, e0216833.	2.5	11
17	Ionic strength and calcium regulate membrane interactions of myelin basic protein and the cytoplasmic domain of myelin protein zero. Biochemical and Biophysical Research Communications, 2019, 511, 7-12.	2.1	11
18	Structure of the Complete Dimeric Human GDAP1 Core Domain Provides Insights into Ligand Binding and Clustering of Disease Mutations. Frontiers in Molecular Biosciences, 2020, 7, 631232.	3.5	11

#	Article	IF	Citations
19	Structure of the ALS Mutation Target Annexin A11 Reveals a Stabilising N-Terminal Segment. Biomolecules, 2020, 10, 660.	4.0	10
20	Myelin-derived and putative molecular mimic peptides share structural properties in aqueous and membrane-like environments. Multiple Sclerosis and Demyelinating Disorders, 2017, 2, .	1.1	9
21	Human myelin proteolipid protein structure and lipid bilayer stacking. Cellular and Molecular Life Sciences, 2022, 79, .	5.4	9
22	The N-terminal cytoplasmic domain of neuregulin 1 type III is intrinsically disordered. Amino Acids, 2015, 47, 1567-1577.	2.7	8
23	Structure of the mouse acidic amino acid decarboxylase GADL1. Acta Crystallographica Section F, Structural Biology Communications, 2018, 74, 65-73.	0.8	8
24	Structure of transmembrane prolyl 4-hydroxylase reveals unique organization of EF and dioxygenase domains. Journal of Biological Chemistry, 2021, 296, 100197.	3.4	7
25	Structural insights into Charcotâ€“Marieâ€“Tooth diseaseâ€linked mutations in human GDAP1. FEBS Open Bio, 2022, 12, 1306-1324.	2.3	6
26	High-affinity anti-Arc nanobodies provide tools for structural and functional studies. PLoS ONE, 2022, 17, e0269281.	2.5	5
27	Structural and biophysical characterization of transcription factor HNF-1A as a tool to study MODY3 diabetes variants. Journal of Biological Chemistry, 2022, 298, 101803.	3.4	4
28	Structure and substrate specificity determinants of the taurine biosynthetic enzyme cysteine sulphinic acid decarboxylase. Journal of Structural Biology, 2021, 213, 107674.	2.8	3
29	Structural similarities and functional differences clarify evolutionary relationships between tRNA healing enzymes and the myelin enzyme CNPase. BMC Biochemistry, 2017, 18, 7.	4.4	1
30	Membrane Interactions, Intrinsic Disorder, and Unknown Functions of Myelin Proteins. Biophysical Journal, 2013, 104, 548a.	0.5	0
31	Flexibility of the Myelin Scaffolding Protein Periaxin. Biophysical Journal, 2018, 114, 407a.	0.5	0
32	Stability and flexibility of full-length human oligodendrocytic QKI6. BMC Research Notes, 2019, 12, 609.	1.4	0