

# George Harauz

## List of Publications by Year in descending order

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128  
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5,601  
citations

94433

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88630

70  
g-index

128  
all docs

128  
docs citations

128  
times ranked

5225  
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Generation of the IMAGIC Image Processing System. <i>Journal of Structural Biology</i> , 1996, 116, 17-24.	2.8	1,182
2	Myelin basic proteinâ€™s diverse conformational states of an intrinsically unstructured protein and its roles in myelin assembly and multiple sclerosis. <i>Micron</i> , 2004, 35, 503-542.	2.2	230
3	Deimination of Myelin Basic Protein. 1. Effect of Deimination of Arginyl Residues of Myelin Basic Protein on Its Structure and Susceptibility to Digestion by Cathepsin D. <i>Biochemistry</i> , 2000, 39, 5374-5381.	2.5	182
4	Structural Polymorphism and Multifunctionality of Myelin Basic Protein. <i>Biochemistry</i> , 2009, 48, 8094-8104.	2.5	178
5	A Tale of Two Citrullinesâ€™ Structural and Functional Aspects of Myelin Basic Protein Deimination in Health and Disease. <i>Neurochemical Research</i> , 2007, 32, 137-158.	3.3	140
6	Cardiolipin exposure on the outer mitochondrial membrane modulates $\alpha$ -synuclein. <i>Nature Communications</i> , 2018, 9, 817.	12.8	136
7	Peptidylarginine deiminase 2 (PAD2) overexpression in transgenic mice leads to myelin loss in the central nervous system. <i>DMM Disease Models and Mechanisms</i> , 2008, 1, 229-240.	2.4	124
8	Deimination of membrane-bound myelin basic protein in multiple sclerosis exposes an immunodominant epitope. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 4422-4427.	7.1	123
9	Myelin management by the 18.5-kDa and 21.5-kDa classic myelin basic protein isoforms. <i>Journal of Neurochemistry</i> , 2013, 125, 334-361.	3.9	112
10	Three-dimensional Structure of Myelin Basic Protein. <i>Journal of Biological Chemistry</i> , 1997, 272, 4269-4275.	3.4	89
11	Deimination of Myelin Basic Protein. 2. Effect of Methylation of MBP on Its Deimination by Peptidylarginine Deiminase. <i>Biochemistry</i> , 2000, 39, 5382-5388.	2.5	80
12	White Matter Raftingâ€™s Membrane Microdomains in Myelin. <i>Neurochemical Research</i> , 2007, 32, 213-228.	3.3	79
13	Three-dimensional Structure of Myelin Basic Protein. <i>Journal of Biological Chemistry</i> , 1997, 272, 4261-4268.	3.4	77
14	MyelStones: the executive roles of myelin basic protein in myelin assembly and destabilization in multiple sclerosis. <i>Biochemical Journal</i> , 2015, 472, 17-32.	3.7	76
15	Membrane-anchoring and Charge Effects in the Interaction of Myelin Basic Protein with Lipid Bilayers Studied by Site-directed Spin Labeling. <i>Journal of Biological Chemistry</i> , 2003, 278, 29041-29047.	3.4	75
16	Cryoelectron Microscopy of Proteinâ€™s Lipid Complexes of Human Myelin Basic Protein Charge Isomers Differing in Degree of Citrullination. <i>Journal of Structural Biology</i> , 2000, 129, 80-95.	2.8	72
17	Characterization of a Recombinant Murine 18.5-kDa Myelin Basic Protein. <i>Protein Expression and Purification</i> , 2000, 20, 285-299.	1.3	69
18	An Immunodominant Epitope of Myelin Basic Protein Is an Amphipathic $\alpha$ -Helix. <i>Journal of Biological Chemistry</i> , 2004, 279, 5757-5764.	3.4	67

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19	The Classic Basic Protein of Myelin â€œ Conserved Structural Motifs and the Dynamic Molecular Barcode Involved in Membrane Adhesion and Protein-Protein Interactions. <i>Current Protein and Peptide Science</i> , 2009, 10, 196-215.	1.4	65
20	Binding of the Proline-Rich Segment of Myelin Basic Protein to SH3 Domains:â€‰ Spectroscopic, Microarray, and Modeling Studies of Ligand Conformation and Effects of Posttranslational Modifications. <i>Biochemistry</i> , 2008, 47, 267-282.	2.5	64
21	Interactions of intrinsically disordered <i>Thellungiella salsuginea</i> dehydrins TsDHN-1 and TsDHN-2 with membranesâ€™ synergistic effects of lipid composition and temperature on secondary structure. <i>Biochemistry and Cell Biology</i> , 2010, 88, 791-807.	2.0	58
22	Direct three-dimensional reconstruction for macromolecular complexes from electron micrographs. <i>Ultramicroscopy</i> , 1983, 12, 309-319.	1.9	57
23	Interaction of the 18.5-kD isoform of myelin basic protein with Ca <sup>2+</sup> -calmodulin: Effects of deimination assessed by intrinsic Trp fluorescence spectroscopy, dynamic light scattering, and circular dichroism. <i>Protein Science</i> , 2003, 12, 1507-1521.	7.6	56
24	Myelin Basic Protein as a â€œPI(4,5)P <sub>2</sub> -Modulinâ€‰ A New Biological Function for a Major Central Nervous System Protein. <i>Biochemistry</i> , 2008, 47, 10372-10382.	2.5	56
25	The Effects of Deimination of Myelin Basic Protein on Structures Formed by Its Interaction with Phosphoinositide- Containing Lipid Monolayers. <i>Journal of Structural Biology</i> , 2001, 136, 30-45.	2.8	54
26	Recognition Pliability Is Coupled to Structural Heterogeneity: A Calmodulin Intrinsically Disordered Binding Region Complex. <i>Structure</i> , 2012, 20, 522-533.	3.3	51
27	Divalent cations induce a compaction of intrinsically disordered myelin basic protein. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 224-229.	2.1	50
28	An Arg/Lysâ†’Gln mutant of recombinant murine myelin basic protein as a mimic of the deiminated form implicated in multiple sclerosis. <i>Protein Expression and Purification</i> , 2002, 25, 330-341.	1.3	49
29	Backbone Dynamics of the 18.5kDa Isoform of Myelin Basic Protein Reveals Transient Î±-Helices and a Calmodulin-Binding Site. <i>Biophysical Journal</i> , 2008, 94, 4847-4866.	0.5	48
30	Myelin Basic Protein Cleaves Cell Adhesion Molecule L1 and Promotes Neuritogenesis and Cell Survival. <i>Journal of Biological Chemistry</i> , 2014, 289, 13503-13518.	3.4	48
31	Molecular â€œNegativityâ€‰May Underlie Multiple Sclerosis: Role of the Myelin Basic Protein Family in the Pathogenesis of MS. <i>International Review of Neurobiology</i> , 2007, 79, 149-172.	2.0	47
32	Effect of Arginine Loss in Myelin Basic Protein, as Occurs in Its Deiminated Charge Isoform, on Mediation of Actin Polymerization and Actin Binding to a Lipid Membrane in Vitroâ€™. <i>Biochemistry</i> , 2005, 44, 3524-3534.	2.5	46
33	Assembly of Tubulin by Classic Myelin Basic Protein Isoforms and Regulation by Post-Translational Modificationâ€™. <i>Biochemistry</i> , 2005, 44, 16672-16683.	2.5	46
34	Charge effects modulate actin assembly by classic myelin basic protein isoforms. <i>Biochemical and Biophysical Research Communications</i> , 2005, 329, 362-369.	2.1	45
35	Structural Changes of Surfactant Protein A Induced by Cations Reorient the Protein on Lipid Bilayers. <i>Journal of Structural Biology</i> , 1998, 122, 297-310.	2.8	44
36	Solid-state NMR spectroscopy of 18.5 kDa myelin basic protein reconstituted with lipid vesicles: Spectroscopic characterisation and spectral assignments of solvent-exposed protein fragments. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 3193-3205.	2.6	43

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37	Solid-State NMR Spectroscopy of Membrane-Associated Myelin Basic Proteinâ€™ Conformation and Dynamics of an Immunodominant Epitope. <i>Biophysical Journal</i> , 2010, 99, 1247-1255.	0.5	40
38	Phosphorylation of <i>Thellungiella salsa</i> Dehydrins TsDHN-1 and TsDHN-2 Facilitates Cation-Induced Conformational Changes and Actin Assembly. <i>Biochemistry</i> , 2011, 50, 9587-9604.	2.5	38
39	Marburg's Variant of Multiple Sclerosis Correlates with a Less Compact Structure of Myelin Basic Protein. <i>Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications</i> , 1999, 1, 48-51.	1.6	37
40	The Effects of Threonine Phosphorylation on the Stability and Dynamics of the Central Molecular Switch Region of 18.5-kDa Myelin Basic Protein. <i>PLoS ONE</i> , 2013, 8, e68175.	2.5	37
41	Structured Functional Domains of Myelin Basic Protein: Cross Talk between Actin Polymerization and Ca <sup>2+</sup> -Dependent Calmodulin Interaction. <i>Biophysical Journal</i> , 2011, 101, 1248-1256.	0.5	36
42	Classical 18.5- and 21.5-kDa isoforms of myelin basic protein inhibit calcium influx into oligodendroglial cells, in contrast to golli isoforms. <i>Journal of Neuroscience Research</i> , 2011, 89, 467-480.	2.9	36
43	Fuzzy complexes of myelin basic protein: NMR spectroscopic investigations of a polymorphic organizational linker of the central nervous system This paper is one of a selection of papers published in this special issue entitled "Canadian Society of Biochemistry, Molecular & Cellular Biology 52nd Annual Meeting" Protein Folding: Principles and Diseases and has undergone the journal's usual peer-review process. <i>Biochemistry and Cell Biology</i> , 2010, 88, 143-155.	2.0	35
44	Solution NMR structure of an immunodominant epitope of myelin basic protein. Conformational dependence on environment of an intrinsically unstructured protein. <i>FEBS Journal</i> , 2006, 273, 601-614.	4.7	34
45	Proline substitutions and threonine pseudophosphorylation of the SH3 ligand of 18.5-kDa myelin basic protein decrease its affinity for the Fynâ€™SH3 domain and alter process development and protein localization in oligodendrocytes. <i>Journal of Neuroscience Research</i> , 2012, 90, 28-47.	2.9	34
46	Interactions of <i>Thellungiella salsa</i> dehydrins TsDHN-1 and TsDHN-2 with membranes at cold and ambient temperaturesâ€™ Surface morphology and single-molecule force measurements show phase separation, and reveal tertiary and quaternary associations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 967-980.	2.6	34
47	Influence of Membrane Surface Charge and Post-Translational Modifications to Myelin Basic Protein on Its Ability To Tether the Fyn-SH3 Domain to a Membrane in Vitro. <i>Biochemistry</i> , 2009, 48, 2385-2393.	2.5	33
48	Myelin basic protein binds microtubules to a membrane surface and to actin filaments in vitro: Effect of phosphorylation and deimination. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 761-773.	2.6	33
49	Myelin basic protein has multiple calmodulin-binding sites. <i>Biochemical and Biophysical Research Communications</i> , 2003, 308, 313-319.	2.1	32
50	Classic 18.5- and 21.5-kDa Myelin Basic Protein Isoforms Associate with Cytoskeletal and SH3-Domain Proteins in the Immortalized N19-Oligodendroglial Cell Line Stimulated by Phorbol Ester and IGF-1. <i>Neurochemical Research</i> , 2012, 37, 1277-1295.	3.3	32
51	Conformational choreography of a molecular switch region in myelin basic proteinâ€™ Molecular dynamics shows induced folding and secondary structure type conversion upon threonyl phosphorylation in both aqueous and membrane-associated environments. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 674-683.	2.6	31
52	Analogous structural motifs in myelin basic protein and in MARCKS. <i>Molecular and Cellular Biochemistry</i> , 2000, 209, 155-163.	3.1	30
53	Electron paramagnetic resonance spectroscopy and molecular modelling of the interaction of myelin basic protein (MBP) with calmodulin (CaM)â€™ diversity and conformational adaptability of MBP CaM-targets. <i>Journal of Structural Biology</i> , 2004, 148, 353-369.	2.8	30
54	Solution NMR and CD spectroscopy of an intrinsically disordered, peripheral membrane protein: evaluation of aqueous and membrane-mimetic solvent conditions for studying the conformational adaptability of the 18.5-kDa isoform of myelin basic protein (MBP). <i>European Biophysics Journal</i> , 2008, 37, 1015-1029.	2.2	30

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55	Solution Nuclear Magnetic Resonance Structure and Molecular Dynamics Simulations of a Murine 18.5 kDa Myelin Basic Protein Segment (S72â€”S107) in Association with Dodecylphosphocholine Micelles. <i>Biochemistry</i> , 2012, 51, 7475-7487.	2.5	30
56	Induced Secondary Structure and Polymorphism in an Intrinsically Disordered Structural Linker of the CNS: Solid-State NMR and FTIR Spectroscopy of Myelin Basic Protein Bound to Actin. <i>Biophysical Journal</i> , 2009, 96, 180-191.	0.5	29
57	Misincorporation of the proline homologue Aze (azetidine-2-carboxylic acid) into recombinant myelin basic protein. <i>Phytochemistry</i> , 2010, 71, 502-507.	2.9	29
58	Î±-Synuclein mutation impairs processing of endomembrane compartments and promotes exocytosis and seeding of Î±-synuclein pathology. <i>Cell Reports</i> , 2021, 35, 109099.	6.4	29
59	The interaction of zinc with membrane-associated 18.5 kDa myelin basic protein: an attenuated total reflectance-Fourier transform infrared spectroscopic study. <i>Amino Acids</i> , 2010, 39, 739-750.	2.7	28
60	In vitro study of the direct effect of extracellular hemoglobin on myelin components. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 92-103.	3.8	28
61	Hemoglobin as a source of iron overload in multiple sclerosis: does multiple sclerosis share risk factors with vascular disorders?. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 1789-1798.	5.4	26
62	Partitioning of myelin basic protein into membrane microdomains in a spontaneously demyelinating mouse model for multiple sclerosis This paper is one of a selection of papers published in this Special Issue, entitled CSBMCB â€” Membrane Proteins in Health and Disease.. <i>Biochemistry and Cell Biology</i> , 2006, 84, 993-1005.	2.0	25
63	Secondary Structure and Solvent Accessibility of a Calmodulin-Binding C-Terminal Segment of Membrane-Associated Myelin Basic Protein. <i>Biochemistry</i> , 2010, 49, 8955-8966.	2.5	25
64	Interactions of the 18.5-kDa isoform of myelin basic protein with Ca <sup>2+</sup> -calmodulin: in vitro studies using fluorescence microscopy and spectroscopy. <i>Biochemistry and Cell Biology</i> , 2002, 80, 395-406.	2.0	24
65	Nucleus-Localized 21.5 kDa myelin basic protein promotes oligodendrocyte proliferation and enhances neurite outgrowth in coculture, unlike the plasma membrane-associated 18.5 kDa isoform. <i>Journal of Neuroscience Research</i> , 2013, 91, 349-362.	2.9	24
66	Terminal deletion mutants of myelin basic protein: new insights into self-association and phospholipid interactions. <i>Micron</i> , 2003, 34, 25-37.	2.2	23
67	Proton detection for signal enhancement in solid-state NMR experiments on mobile species in membrane proteins. <i>Journal of Biomolecular NMR</i> , 2015, 63, 375-388.	2.8	23
68	Lateral self-assembly of 18.5-kDa myelin basic protein (MBP) charge component-C1 on membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 2636-2647.	2.6	22
69	The formation of helical tubular vesicles by binary monolayers containing a nickel-chelating lipid and phosphoinositides in the presence of basic polypeptides. <i>Chemistry and Physics of Lipids</i> , 2002, 114, 103-111.	3.2	21
70	Interaction of Myelin Basic Protein with Actin in the Presence of Dodecylphosphocholine Micelles. <i>Biochemistry</i> , 2010, 49, 6903-6915.	2.5	21
71	Zinc induces disorder-to-order transitions in free and membrane-associated <i>Thellungiella salsuginea</i> dehydrins TsDHN-1 and TsDHN-2: a solution CD and solid-state ATR-FTIR study. <i>Amino Acids</i> , 2011, 40, 1485-1502.	2.7	21
72	Molecular dynamics exposes Î±-helices in myelin basic protein. <i>Journal of Molecular Modeling</i> , 2003, 9, 290-297.	1.8	20

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73	Copper Uptake Induces Self-Assembly of 18.5 kDa Myelin Basic Protein (MBP). <i>Biophysical Journal</i> , 2010, 99, 3020-3028.	0.5	20
74	Interaction of Myelin Basic Protein with Myelin-like Lipid Monolayers at Air-Water Interface. <i>Langmuir</i> , 2018, 34, 6095-6108.	3.5	19
75	Interactions of the 18.5 kDa isoform of myelin basic protein with Ca <sup>2+</sup> -calmodulin: in vitro studies using gel shift assays. <i>Molecular and Cellular Biochemistry</i> , 2002, 241, 45-52.	3.1	18
76	Letter to the Editor: Backbone resonance assignments of the 18.5 kDa isoform of murine myelin basic protein (MBP). <i>Journal of Biomolecular NMR</i> , 2004, 29, 545-546.	2.8	18
77	Interaction of myelin basic protein with cytoskeletal and signaling proteins in cultured primary oligodendrocytes and N19 oligodendroglial cells. <i>BMC Research Notes</i> , 2014, 7, 387.	1.4	18
78	Representation of rotations by unit quaternions. <i>Ultramicroscopy</i> , 1990, 33, 209-213.	1.9	17
79	Expression and properties of the recombinant murine Golli-myelin basic protein isoform J37. <i>Journal of Neuroscience Research</i> , 2003, 71, 777-784.	2.9	17
80	Kinetics of human peptidylarginine deiminase 2 (hPAD2) Reduction of Ca <sup>2+</sup> dependence by phospholipids and assessment of proposed inhibition by paclitaxel side chains. <i>Biochemistry and Cell Biology</i> , 2008, 86, 437-447.	2.0	17
81	Thermodynamic Analysis of the Disorder-to-±-Helical Transition of 18.5-kDa Myelin Basic Protein Reveals an Equilibrium Intermediate Representing the Most Compact Conformation. <i>Journal of Molecular Biology</i> , 2015, 427, 1977-1992.	4.2	17
82	The BG21 Isoform of Golli Myelin Basic Protein Is Intrinsically Disordered with a Highly Flexible Amino-Terminal Domain. <i>Biochemistry</i> , 2007, 46, 9700-9712.	2.5	16
83	Myelin basic protein co-distributes with other PI(4,5)P <sub>2</sub> -sequestering proteins in Triton X-100 detergent-resistant membrane microdomains. <i>Neuroscience Letters</i> , 2009, 450, 32-36.	2.1	16
84	Regulation of cell proliferation by nucleocytoplasmic dynamics of postnatal and embryonic exon-II-containing MBP isoforms. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 517-530.	4.1	16
85	Cation-mediated conformational variants of surfactant protein A. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1999, 1453, 23-34.	3.8	15
86	The 21.5-kDa isoform of myelin basic protein has a non-traditional PY-nuclear-localization signal. <i>Biochemical and Biophysical Research Communications</i> , 2012, 422, 670-675.	2.1	15
87	Substitutions mimicking deimination and phosphorylation of 18.5-kDa myelin basic protein exert local structural effects that subtly influence its global folding. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 1262-1277.	2.6	15
88	Human proteolipid protein (PLP) mediates winding and adhesion of phospholipid membranes but prevents their fusion. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1998, 1415, 85-100.	2.6	14
89	Monitoring Cleaved Caspase-3 Activity and Apoptosis of Immortalized Oligodendroglial Cells using Live-cell Imaging and Cleaveable Fluorogenic-dye Substrates Following Potassium-induced Membrane Depolarization. <i>Journal of Visualized Experiments</i> , 2012, , .	0.3	14
90	Potential role of ferric hemoglobin in MS pathogenesis: Effects of oxidative stress and extracellular methemoglobin or its degradation products on myelin components. <i>Free Radical Biology and Medicine</i> , 2017, 112, 494-503.	2.9	14

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91	Effect of Cholesterol and Myelin Basic Protein (MBP) Content on Lipid Monolayers Mimicking the Cytoplasmic Membrane of Myelin. <i>Cells</i> , 2020, 9, 529.	4.1	14
92	Formation of membrane lattice structures and their specific interactions with surfactant protein A. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1999, 276, L642-L649.	2.9	12
93	Myelin basic protein component C1 in increasing concentrations can elicit fusion, aggregation, and fragmentation of myelin-like membranes. <i>European Journal of Cell Biology</i> , 2000, 79, 327-335.	3.6	12
94	Parameterization of the proline analogue Aze (azetidine-2-carboxylic acid) for molecular dynamics simulations and evaluation of its effect on homo-pentapeptide conformations. <i>Journal of Molecular Graphics and Modelling</i> , 2013, 39, 118-125.	2.4	12
95	The proline-rich region of 18.5 kDa myelin basic protein binds to the SH3-domain of Fyn tyrosine kinase with the aid of an upstream segment to form a dynamic complex <i>in vitro</i> . <i>Bioscience Reports</i> , 2014, 34, e00157.	2.4	12
96	Myelin basic protein (MBP) charge variants show different sphingomyelin-mediated interactions with myelin-like lipid monolayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183077.	2.6	12
97	Structural Studies on the 2.25-MDa Homomultimeric Phosphoenolpyruvate Synthase from <i>Staphylothermus marinus</i> . <i>Journal of Structural Biology</i> , 1996, 116, 290-301.	2.8	10
98	NMR assignment of an intrinsically disordered protein under physiological conditions: the 18.5 kDa isoform of murine myelin basic protein. <i>Biomolecular NMR Assignments</i> , 2007, 1, 61-63.	0.8	9
99	Correlation of geographic distributions of haptoglobin alleles with prevalence of multiple sclerosis (MS) – a narrative literature review. <i>Metabolic Brain Disease</i> , 2017, 32, 19-34.	2.9	9
100	Structure of ribosomes from <i>Thermomyces lanuginosus</i> by electron microscopy and image processing. <i>BBA - Proteins and Proteomics</i> , 1990, 1038, 260-267.	2.1	8
101	Characteristic electron microscopical projections of the small ribosomal subunit from <i>Thermomyces lanuginosus</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1992, 1130, 289-296.	2.4	8
102	Coordinate-free self-organising feature maps. <i>Ultramicroscopy</i> , 1997, 68, 201-214.	1.9	8
103	Purification and spectroscopic characterization of the recombinant BG21 isoform of murine golli myelin basic protein. <i>Journal of Neuroscience Research</i> , 2007, 85, 272-284.	2.9	8
104	Niche-dependent inhibition of neural stem cell proliferation and oligodendrogenesis is mediated by the presence of myelin basic protein. <i>Stem Cells</i> , 2021, 39, 776-786.	3.2	8
105	Visualisation of <i>E. coli</i> ribosomal RNA in situ by electron spectroscopic imaging and image analysis. <i>Micron</i> , 1993, 24, 163-171.	2.2	7
106	Structures of small subunit ribosomal RNAs in situ from <i>Escherichia coli</i> and <i>Thermomyces lanuginosus</i> . <i>Molecular and Cellular Biochemistry</i> , 1995, 148, 165-181.	3.1	7
107	Symmetry in the 2.25 MDa homomultimeric phosphoenolpyruvate synthase from <i>Staphylothermus marinus</i> : Analyses of negatively stained preparations. <i>Micron</i> , 1998, 29, 161-173.	2.2	7
108	Niche-dependent inhibition of neural stem cell proliferation and oligodendrogenesis is mediated by the presence of myelin basic protein. <i>Stem Cells</i> , 2021, 39, 776-786.	3.2	6

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109	Filaments of surfactant protein A specifically interact with corrugated surfaces of phospholipid membranes. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1999, 276, L631-L641.	2.9	5
110	Expression and purification of the active variant of recombinant murine Golli-interacting protein (GIP)â€”characterization of its phosphatase activity and interaction with Golli-BG21. <i>Protein Expression and Purification</i> , 2008, 62, 36-43.	1.3	5
111	Myelin basic protein is a glial microtubule-associated protein â€” Characterization of binding domains, kinetics of polymerization, and regulation by phosphorylation and a lipidic environment. <i>Biochemical and Biophysical Research Communications</i> , 2015, 461, 136-141.	2.1	5
112	Partial magic angle spinning NMR 1H, 13C, 15N resonance assignments of the flexible regions of a monomeric alpha-synuclein: conformation of C-terminus in the lipid-bound and amyloid fibril states. <i>Biomolecular NMR Assignments</i> , 2021, 15, 297-303.	0.8	5
113	Structures of ribosomal subunits from <i>Saccharomyces cerevisiae</i> . <i>Micron and Microscopica Acta</i> , 1992, 23, 273-286.	0.2	4
114	Electron microscopical projections of the large ribosomal subunit from <i>Thermomyces lanuginosus</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1992, 1132, 58-66.	2.4	4
115	Modes of SH3-Domain Interactions of 18.5 kDa Myelin Basic Protein IN Vitro and in Oligodendrocytes. <i>Biophysical Journal</i> , 2011, 100, 229a.	0.5	4
116	Ribosomal proteins of <i>Thermomyces lanuginosus</i> ? characterisation by two-dimensional gel electrophoresis and differential disassembly. <i>Molecular and Cellular Biochemistry</i> , 1995, 143, 21-34.	3.1	3
117	Three-Dimensional Cryoelectron Microscopic Reconstruction of the 2.25-MDa Homomultimeric Phosphoenolpyruvate Synthase from <i>Staphylothermus marinus</i> . <i>Biochemical and Biophysical Research Communications</i> , 1997, 241, 599-605.	2.1	3
118	Three-dimensional architecture of <i>Thermomyces lanuginosus</i> small subunit ribosomal RNA. <i>Micron</i> , 1997, 28, 13-20.	2.2	3
119	Quaternary Organization of the <i>Staphylothermus marinus</i> Phosphoenolpyruvate Synthase: Angular Reconstitution from Cryoelectron Micrographs with Molecular Modeling. <i>Journal of Structural Biology</i> , 2000, 132, 226-240.	2.8	3
120	â€œBack to the futureâ€”or iron in the MS brain â€” Commentary on â€œPerivascular iron deposits are associated with protein nitration in cerebral experimental autoimmune encephalomyelitis. <i>Neuroscience Letters</i> , 2014, 582, 130-132.	2.1	3
121	Angular reconstitution of the <i>Staphylothermus marinus</i> phosphoenolpyruvate synthase. <i>Microscopy Research and Technique</i> , 2000, 49, 233-244.	2.2	2
122	Regulatory effect of the glial Golli-BG21 protein on the full-length murine small C-terminal domain phosphatase (SCP1, or Golli-interacting protein). <i>Biochemical and Biophysical Research Communications</i> , 2014, 447, 633-637.	2.1	2
123	Docking and molecular dynamics simulations of the Fynâ€”SH3 domain with free and phospholipid bilayerâ€”associated 18.5â€”kDa myelin basic protein (MBP)â€”Insights into a noncanonical and fuzzy interaction. <i>Proteins: Structure, Function and Bioinformatics</i> , 2017, 85, 1336-1350.	2.6	2
124	And Yet it is Modified-Holding a Candle to the Dark Matter of White Matter. <i>Proteomics</i> , 2017, 17, 1700299.	2.2	2
125	Turning White Matter â€œInside-Outâ€”by Hyper-deimination of Myelin Basic Protein (MBP). , 2017, , 337-389.		2
126	Over-expression in <i>E. coli</i> and purification of functional full-length murine small C-terminal domain phosphatase (SCP1, or Golli-interacting protein). <i>Protein Expression and Purification</i> , 2014, 101, 106-114.	1.3	1



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127	Probing Ribosomal RNA By Electron Spectroscopic Imaging and Three-Dimensional Reconstruction. Microscopy Today, 1997, 5, 10-11.	0.3	0
128	Deimination exposes an immunodominant epitope of membrane-associated myelin basic protein. FASEB Journal, 2006, 20, A58.	0.5	0