

# George Harauz

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/5322275/george-harauz-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

128  
papers

4,891  
citations

36  
h-index

66  
g-index

128  
ext. papers

5,282  
ext. citations

3.7  
avg. IF

5.41  
L-index

#	Paper	IF	Citations
128	A new generation of the IMAGIC image processing system. <i>Journal of Structural Biology</i> , <b>1996</b> , 116, 17-24	3.4	1097
127	Myelin basic protein-diverse conformational states of an intrinsically unstructured protein and its roles in myelin assembly and multiple sclerosis. <i>Micron</i> , <b>2004</b> , 35, 503-42	2.3	199
126	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> , <b>2000</b> , 39, 5374-81	3.2	168
125	Structural polymorphism and multifunctionality of myelin basic protein. <i>Biochemistry</i> , <b>2009</b> , 48, 8094-104	3.2	147
124	A tale of two citrullines--structural and functional aspects of myelin basic protein deimination in health and disease. <i>Neurochemical Research</i> , <b>2007</b> , 32, 137-58	4.6	116
123	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> , <b>2006</b> , 103, 4422-7	11.5	105
122	Peptidylarginine deiminase 2 (PAD2) overexpression in transgenic mice leads to myelin loss in the central nervous system. <i>DMM Disease Models and Mechanisms</i> , <b>2008</b> , 1, 229-40	4.1	101
121	Cardiolipin exposure on the outer mitochondrial membrane modulates $\beta$ -synuclein. <i>Nature Communications</i> , <b>2018</b> , 9, 817	17.4	87
120	Myelin management by the 18.5-kDa and 21.5-kDa classic myelin basic protein isoforms. <i>Journal of Neurochemistry</i> , <b>2013</b> , 125, 334-61	6	87
119	Three-dimensional structure of myelin basic protein. II. Molecular modeling and considerations of predicted structures in multiple sclerosis. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 4269-75	5.4	80
118	White matter rafting--membrane microdomains in myelin. <i>Neurochemical Research</i> , <b>2007</b> , 32, 213-28	4.6	76
117	Deimination of myelin basic protein. 2. Effect of methylation of MBP on its deimination by peptidylarginine deiminase. <i>Biochemistry</i> , <b>2000</b> , 39, 5382-8	3.2	70
116	Cryoelectron microscopy of protein-lipid complexes of human myelin basic protein charge isomers differing in degree of citrullination. <i>Journal of Structural Biology</i> , <b>2000</b> , 129, 80-95	3.4	69
115	Three-dimensional structure of myelin basic protein. I. Reconstruction via angular reconstitution of randomly oriented single particles. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 4261-8	5.4	66
114	Characterization of a recombinant murine 18.5-kDa myelin basic protein. <i>Protein Expression and Purification</i> , <b>2000</b> , 20, 285-99	2	66
113	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> , <b>2003</b> , 278, 29041-7	5.4	65
112	The classic basic protein of myelin--conserved structural motifs and the dynamic molecular barcode involved in membrane adhesion and protein-protein interactions. <i>Current Protein and Peptide Science</i> , <b>2009</b> , 10, 196-215	2.8	59

111	Binding of the proline-rich segment of myelin basic protein to SH3 domains: spectroscopic, microarray, and modeling studies of ligand conformation and effects of posttranslational modifications. <i>Biochemistry</i> , <b>2008</b> , 47, 267-82	3.2	59
110	MyelStones: the executive roles of myelin basic protein in myelin assembly and destabilization in multiple sclerosis. <i>Biochemical Journal</i> , <b>2015</b> , 472, 17-32	3.8	55
109	An immunodominant epitope of myelin basic protein is an amphipathic alpha-helix. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 5757-64	5.4	55
108	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> , <b>2003</b> , 12, 1507-21	6.3	54
107	Direct three-dimensional reconstruction for macromolecular complexes from electron micrographs. <i>Ultramicroscopy</i> , <b>1983</b> , 12, 309-319	3.1	52
106	Myelin basic protein as a "PI(4,5)P2-modulin": a new biological function for a major central nervous system protein. <i>Biochemistry</i> , <b>2008</b> , 47, 10372-82	3.2	49
105	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> , <b>2001</b> , 136, 30-45	3.4	49
104	Recognition pliability is coupled to structural heterogeneity: a calmodulin intrinsically disordered binding region complex. <i>Structure</i> , <b>2012</b> , 20, 522-33	5.2	47
103	Divalent cations induce a compaction of intrinsically disordered myelin basic protein. <i>Biochemical and Biophysical Research Communications</i> , <b>2010</b> , 391, 224-9	3.4	46
102	An Arg/Lys-->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> , <b>2002</b> , 25, 330-41	2	46
101	Backbone dynamics of the 18.5 kDa isoform of myelin basic protein reveals transient alpha-helices and a calmodulin-binding site. <i>Biophysical Journal</i> , <b>2008</b> , 94, 4847-66	2.9	43
100	Assembly of tubulin by classic myelin basic protein isoforms and regulation by post-translational modification. <i>Biochemistry</i> , <b>2005</b> , 44, 16672-83	3.2	43
99	Charge effects modulate actin assembly by classic myelin basic protein isoforms. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 329, 362-9	3.4	42
98	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 vitro. <i>Biochemistry</i> , <b>2005</b> , 44, 3524-34	3.2	42
97	Interactions of intrinsically disordered Thellungiella salsuginea dehydrins TsDHN-1 and TsDHN-2 with membranes—synergistic effects of lipid composition and temperature on secondary structure. <i>Biochemistry and Cell Biology</i> , <b>2010</b> , 88, 791-807	3.6	41
96	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> , <b>2007</b> , 1768, 3193-205	3.8	41
95	Molecular "negativity" may underlie multiple sclerosis: role of the myelin basic protein family in the pathogenesis of MS. <i>International Review of Neurobiology</i> , <b>2007</b> , 79, 149-72	4.4	40
94	Structural changes of surfactant protein A induced by cations reorient the protein on lipid bilayers. <i>Journal of Structural Biology</i> , <b>1998</b> , 122, 297-310	3.4	40

93	Myelin basic protein cleaves cell adhesion molecule L1 and promotes neuritogenesis and cell survival. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 13503-18	5.4	37
92	Solid-state NMR spectroscopy of membrane-associated myelin basic protein--conformation and dynamics of an immunodominant epitope. <i>Biophysical Journal</i> , <b>2010</b> , 99, 1247-55	2.9	36
91	Solution NMR structure of an immunodominant epitope of myelin basic protein. Conformational dependence on environment of an intrinsically unstructured protein. <i>FEBS Journal</i> , <b>2006</b> , 273, 601-14	5.7	34
90	Structured functional domains of myelin basic protein: cross talk between actin polymerization and Ca(2+)-dependent calmodulin interaction. <i>Biophysical Journal</i> , <b>2011</b> , 101, 1248-56	2.9	33
89	Phosphorylation of Thellungiella salsa dehydrins TsDHN-1 and TsDHN-2 facilitates cation-induced conformational changes and actin assembly. <i>Biochemistry</i> , <b>2011</b> , 50, 9587-604	3.2	33
88	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> , <b>2011</b> , 89, 467-80	4.4	32
87	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> , <b>2009</b> , 48, 2385-93	3.2	32
86	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> , <b>1999</b> , 1, 48-51		31
85	Fuzzy complexes of myelin basic protein: NMR spectroscopic investigations of a polymorphic organizational linker of the central nervous system. <i>Biochemistry and Cell Biology</i> , <b>2010</b> , 88, 143-55	3.6	30
84	Myelin basic protein has multiple calmodulin-binding sites. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 308, 313-9	3.4	30
83	Proline substitutions and threonine pseudophosphorylation of the SH3 ligand of 18.5-kDa myelin basic protein decrease its affinity for the Fyn-SH3 domain and alter process development and protein localization in oligodendrocytes. <i>Journal of Neuroscience Research</i> , <b>2012</b> , 90, 28-47	4.4	29
82	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> , <b>2008</b> , 37, 1215-20	1.9	29
81	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> , <b>2012</b> , 37, 1277-95	4.6	28
80	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> , <b>2013</b> , 8, e68175	3.7	28
79	Conformational choreography of a molecular switch region in myelin basic protein--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> , <b>2011</b> , 1808, 674-83	3.8	28
78	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> , <b>2009</b> , 96, 180-91	2.9	28
77	Electron paramagnetic resonance spectroscopy and molecular modelling of the interaction of myelin basic protein (MBP) with calmodulin (CaM)-diversity and conformational adaptability of MBP CaM-targets. <i>Journal of Structural Biology</i> , <b>2004</b> , 148, 353-69	3.4	28
76	Interactions of Thellungiella salsa dehydrins TsDHN-1 and TsDHN-2 with membranes at cold and ambient temperatures-surface morphology and single-molecule force measurements show phase separation, and reveal tertiary and quaternary associations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2013</b> , 1828, 267-80	3.8	27

75	Analogous structural motifs in myelin basic protein and in MARCKS. <i>Molecular and Cellular Biochemistry</i> , <b>2000</b> , 209, 155-63	4.2	27
74	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> , <b>2011</b> , 1808, 761-73	3.8	26
73	Solution nuclear magnetic resonance structure and molecular dynamics simulations of a murine 18.5 kDa myelin basic protein segment (S72-S107) in association with dodecylphosphocholine micelles. <i>Biochemistry</i> , <b>2012</b> , 51, 7475-87	3.2	25
72	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> , <b>2010</b> , 39, 739-50	3.5	25
71	Partitioning of myelin basic protein into membrane microdomains in a spontaneously demyelinating mouse model for multiple sclerosis. <i>Biochemistry and Cell Biology</i> , <b>2006</b> , 84, 993-1005	3.6	24
70	Secondary structure and solvent accessibility of a calmodulin-binding C-terminal segment of membrane-associated myelin basic protein. <i>Biochemistry</i> , <b>2010</b> , 49, 8955-66	3.2	23
69	In vitro study of the direct effect of extracellular hemoglobin on myelin components. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2015</b> , 1852, 92-103	6.9	22
68	Misincorporation of the proline homologue Aze (azetidine-2-carboxylic acid) into recombinant myelin basic protein. <i>Phytochemistry</i> , <b>2010</b> , 71, 502-7	4	22
67	Terminal deletion mutants of myelin basic protein: new insights into self-association and phospholipid interactions. <i>Micron</i> , <b>2003</b> , 34, 25-37	2.3	22
66	Interactions of the 18.5-kDa isoform of myelin basic protein with Ca(2+)-calmodulin: in vitro studies using fluorescence microscopy and spectroscopy. <i>Biochemistry and Cell Biology</i> , <b>2002</b> , 80, 395-406	3.6	22
65	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> , <b>2014</b> , 71, 1789-98	10.3	21
64	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> , <b>2013</b> , 91, 349-62	4.4	21
63	Interaction of myelin basic protein with actin in the presence of dodecylphosphocholine micelles. <i>Biochemistry</i> , <b>2010</b> , 49, 6903-15	3.2	21
62	Proton detection for signal enhancement in solid-state NMR experiments on mobile species in membrane proteins. <i>Journal of Biomolecular NMR</i> , <b>2015</b> , 63, 375-388	3	20
61	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> , <b>2002</b> , 114, 103-11	3.7	20
60	Lateral self-assembly of 18.5-kDa myelin basic protein (MBP) charge component-C1 on membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2012</b> , 1818, 2636-47	3.8	18
59	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> , <b>2011</b> , 40, 1485-502	3.5	18
58	Copper uptake induces self-assembly of 18.5 kDa myelin basic protein (MBP). <i>Biophysical Journal</i> , <b>2010</b> , 99, 3020-8	2.9	18

57	Molecular dynamics exposes alpha-helices in myelin basic protein. <i>Journal of Molecular Modeling</i> , <b>2003</b> , 9, 290-7	2	18
56	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> , <b>2002</b> , 241, 45-52	4.2	17
55	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> , <b>2015</b> , 427, 1977-92	6.5	16
54	The BG21 isoform of Golli myelin basic protein is intrinsically disordered with a highly flexible amino-terminal domain. <i>Biochemistry</i> , <b>2007</b> , 46, 9700-12	3.2	16
53	Backbone resonance assignments of the 18.5 kDa isoform of murine myelin basic protein (MBP). <i>Journal of Biomolecular NMR</i> , <b>2004</b> , 29, 545-6	3	16
52	Expression and properties of the recombinant murine Golli-myelin basic protein isoform J37. <i>Journal of Neuroscience Research</i> , <b>2003</b> , 71, 777-84	4.4	16
51	Interaction of myelin basic protein with cytoskeletal and signaling proteins in cultured primary oligodendrocytes and N19 oligodendroglial cells. <i>BMC Research Notes</i> , <b>2014</b> , 7, 387	2.3	15
50	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> , <b>2009</b> , 450, 32-6	3.3	15
49	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> , <b>2008</b> , 86, 437-47	3.6	15
48	The 21.5-kDa isoform of myelin basic protein has a non-traditional PY-nuclear-localization signal. <i>Biochemical and Biophysical Research Communications</i> , <b>2012</b> , 422, 670-5	3.4	14
47	Representation of rotations by unit quaternions. <i>Ultramicroscopy</i> , <b>1990</b> , 33, 209-213	3.1	14
46	Interaction of Myelin Basic Protein with Myelin-like Lipid Monolayers at Air-Water Interface. <i>Langmuir</i> , <b>2018</b> , 34, 6095-6108	4	13
45	Cation-mediated conformational variants of surfactant protein A. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>1999</b> , 1453, 23-34	6.9	13
44	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> , <b>2014</b> , 1843, 517-30	4.9	11
43	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> , <b>2017</b> , 112, 494-503	7.8	11
42	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> , <b>2000</b> , 79, 327-35	6.1	11
41	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 in vitro. <i>Bioscience Reports</i> , <b>2014</b> , 34, e00157	4.1	10
40	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> , <b>2012</b> ,	1.6	10



39	Human proteolipid protein (PLP) mediates winding and adhesion of phospholipid membranes but prevents their fusion. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1998</b> , 1415, 85-100	3.8	10
38	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> , <b>2013</b> , 39, 118-25	2.8	9
37	Formation of membrane lattice structures and their specific interactions with surfactant protein A. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>1999</b> , 276, L642-9	5.8	9
36	Structural studies on the 2.25-MDa homomultimeric phosphoenolpyruvate synthase from <i>Staphylothermus marinus</i> . <i>Journal of Structural Biology</i> , <b>1996</b> , 116, 290-301	3.4	9
35	Effect of Cholesterol and Myelin Basic Protein (MBP) Content on Lipid Monolayers Mimicking the Cytoplasmic Membrane of Myelin. <i>Cells</i> , <b>2020</b> , 9,	7.9	8
34	Correlation of geographic distributions of haptoglobin alleles with prevalence of multiple sclerosis (MS) - a narrative literature review. <i>Metabolic Brain Disease</i> , <b>2017</b> , 32, 19-34	3.9	8
33	Coordinate-free self-organising feature maps. <i>Ultramicroscopy</i> , <b>1997</b> , 68, 201-214	3.1	8
32	Purification and spectroscopic characterization of the recombinant BG21 isoform of murine golli myelin basic protein. <i>Journal of Neuroscience Research</i> , <b>2007</b> , 85, 272-84	4.4	8
31	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> , <b>2007</b> , 1, 61-3	0.7	8
30	Characteristic electron microscopical projections of the small ribosomal subunit from <i>Thermomyces lanuginosus</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , <b>1992</b> , 1130, 289-96		8
29	Structure of ribosomes from <i>Thermomyces lanuginosus</i> by electron microscopy and image processing. <i>BBA - Proteins and Proteomics</i> , <b>1990</b> , 1038, 260-7		8
28	βSynuclein mutation impairs processing of endomembrane compartments and promotes exocytosis and seeding of βSynuclein pathology. <i>Cell Reports</i> , <b>2021</b> , 35, 109099	10.6	8
27	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> , <b>2016</b> , 1858, 1262-77	3.8	7
26	Visualisation of <i>E. coli</i> ribosomal RNA in situ by electron spectroscopic imaging and image analysis. <i>Micron</i> , <b>1993</b> , 24, 163-171	2.3	7
25	Symmetry in the 2.25 MDa homomultimeric phosphoenolpyruvate synthase from <i>Staphylothermus marinus</i> : Analyses of negatively stained preparations. <i>Micron</i> , <b>1998</b> , 29, 161-173	2.3	6
24	Structures of small subunit ribosomal RNAs in situ from <i>Escherichia coli</i> and <i>Thermomyces lanuginosus</i> . <i>Molecular and Cellular Biochemistry</i> , <b>1995</b> , 148, 165-81	4.2	6
23	Myelin basic protein (MBP) charge variants show different sphingomyelin-mediated interactions with myelin-like lipid monolayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2020</b> , 1862, 183077	3.8	6
22	Myelin basic protein is a glial microtubule-associated protein -- characterization of binding domains, kinetics of polymerization, and regulation by phosphorylation and a lipidic environment. <i>Biochemical and Biophysical Research Communications</i> , <b>2015</b> , 461, 136-41	3.4	5

21	Niche-dependent inhibition of neural stem cell proliferation and oligodendrogenesis is mediated by the presence of myelin basic protein. <i>Stem Cells</i> , <b>2021</b> , 39, 776-786	5.8	5
20	Expression and purification of the active variant of recombinant murine Golli-interacting protein (GIP)--characterization of its phosphatase activity and interaction with Golli-BG21. <i>Protein Expression and Purification</i> , <b>2008</b> , 62, 36-43	2	4
19	Structures of ribosomal subunits from <i>Saccharomyces cerevisiae</i> . <i>Micron and Microscopica Acta</i> , <b>1992</b> , 23, 273-286		4
18	Electron microscopical projections of the large ribosomal subunit from <i>Thermomyces lanuginosus</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , <b>1992</b> , 1132, 58-66		4
17	Niche-dependent inhibition of neural stem cell proliferation and oligodendrogenesis is mediated by the presence of myelin basic protein. <i>Stem Cells</i> , <b>2021</b> , 39, 776-786	5.8	4
16	"Back to the future" or iron in the MS brain - commentary on "perivascular iron deposits are associated with protein nitration in cerebral experimental autoimmune encephalomyelitis". <i>Neuroscience Letters</i> , <b>2014</b> , 582, 130-2	3.3	3
15	Modes of SH3-Domain Interactions of 18.5 kDa Myelin Basic Protein IN Vitro and in Oligodendrocytes. <i>Biophysical Journal</i> , <b>2011</b> , 100, 229a	2.9	3
14	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> , <b>1997</b> , 241, 599-605	3.4	3
13	Three-dimensional architecture of <i>Thermomyces lanuginosus</i> small subunit ribosomal RNA. <i>Micron</i> , <b>1997</b> , 28, 13-20	2.3	3
12	Filaments of surfactant protein A specifically interact with corrugated surfaces of phospholipid membranes. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>1999</b> , 276, L631-41	5.8	3
11	Ribosomal proteins of <i>Thermomyces lanuginosus</i> --characterisation by two-dimensional gel electrophoresis and differential disassembly. <i>Molecular and Cellular Biochemistry</i> , <b>1995</b> , 143, 21-34	4.2	3
10	Docking and molecular dynamics simulations of the Fyn-SH3 domain with free and phospholipid bilayer-associated 18.5-kDa myelin basic protein (MBP)-Insights into a noncanonical and fuzzy interaction. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2017</b> , 85, 1336-1350	4.2	2
9	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> , <b>2014</b> , 447, 633-7	3.4	2
8	Angular reconstitution of the <i>Staphylothermus marinus</i> phosphoenolpyruvate synthase. <i>Microscopy Research and Technique</i> , <b>2000</b> , 49, 233-44	2.8	2
7	Quaternary organization of the <i>Staphylothermus marinus</i> phosphoenolpyruvate synthase: angular reconstitution from cryoelectron micrographs with molecular modeling. <i>Journal of Structural Biology</i> , <b>2000</b> , 132, 226-40	3.4	2
6	Partial magic angle spinning NMR H, C, N 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> , <b>2021</b> , 15, 297-303	0.7	2
5	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> , <b>2014</b> , 101, 106-14	2	1
4	And Yet it is Modified-Holding a Candle to the Dark Matter of White Matter. <i>Proteomics</i> , <b>2017</b> , 17, 1700298	2.8	1



- 3 Turning White Matter Inside-Out by Hyper-deimination of Myelin Basic Protein (MBP) **2017**, 337-389 1
- 2 Probing Ribosomal RNA By Electron Spectroscopic Imaging and Three-Dimensional Reconstruction.  
*Microscopy Today*, **1997**, 5, 10-11 0.4
- 1 Deimination exposes an immunodominant epitope of membrane-associated myelin basic protein.  
*FASEB Journal*, **2006**, 20, A58 0.9