

# George Harauz

## List of Publications by Year in Descending Order

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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	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
127	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
126	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
125	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
124	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
123	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
122	Cardiolipin exposure on the outer mitochondrial membrane modulates βSynuclein. <i>Nature Communications</i> , <b>2018</b> , 9, 817	17.4	87
121	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
120	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
119	And Yet it is Modified-Holding a Candle to the Dark Matter of White Matter. <i>Proteomics</i> , <b>2017</b> , 17, 1700298	4.8	1
118	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
117	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
116	Turning White Matter Inside-Out by Hyper-deimination of Myelin Basic Protein (MBP) <b>2017</b> , 337-389		1
115	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
114	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
113	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
112	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

111	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
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	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
108	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
107	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
106	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
105	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
104	Over-expression in E. coli 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
103	"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
102	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> , <b>2014</b> , 34, e00157	4.1	10
101	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
100	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
99	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
98	Interactions of <i>Thellungiella salsuginea</i> 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, 947-58	3.8	27
97	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
96	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
95	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
94	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

93	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
92	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
91	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
90	Monitoring cleaved caspase-3 activity and apoptosis of immortalized oligodendroglial cells using live-cell imaging and cleavable fluorogenic-dye substrates following potassium-induced membrane depolarization. <i>Journal of Visualized Experiments</i> , <b>2012</b> ,	1.6	10
89	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
88	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
87	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
86	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
85	Zinc induces disorder-to-order transitions in free and membrane-associated Thellungiella salsuginea 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
84	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
83	Phosphorylation of Thellungiella salsuginea 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
82	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
81	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
80	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
79	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
78	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
77	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
76	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

75	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
74	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
73	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
72	Myelin basic protein co-distributes with other PI(4,5)P2-sequestering proteins in Triton X-100 detergent-resistant membrane microdomains. <i>Neuroscience Letters</i> , <b>2009</b> , 450, 32-6	3.3	15
71	Structural polymorphism and multifunctionality of myelin basic protein. <i>Biochemistry</i> , <b>2009</b> , 48, 8094-104	3.2	147
70	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
69	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
68	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
67	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
66	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
65	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
64	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
63	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
62	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, 1815-29	1.9	29
61	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
60	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
59	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
58	White matter rafting--membrane microdomains in myelin. <i>Neurochemical Research</i> , <b>2007</b> , 32, 213-28	4.6	76

57	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
56	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
55	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
54	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
53	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
52	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
51	Deimination exposes an immunodominant epitope of membrane-associated myelin basic protein. <i>FASEB Journal</i> , <b>2006</b> , 20, A58	0.9	
50	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
49	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
48	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
47	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
46	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
45	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
44	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
43	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
42	Molecular dynamics exposes alpha-helices in myelin basic protein. <i>Journal of Molecular Modeling</i> , <b>2003</b> , 9, 290-7	2	18
41	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
40	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



39	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
38	Myelin basic protein has multiple calmodulin-binding sites. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 308, 313-9	3.4	30
37	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
36	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
35	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
34	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
33	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
32	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
31	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
30	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
29	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
28	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
27	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
26	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
25	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
24	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
23	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
22	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

21	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
20	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
19	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
18	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
17	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
16	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
15	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
14	Probing Ribosomal RNA By Electron Spectroscopic Imaging and Three-Dimensional Reconstruction. <i>Microscopy Today</i> , <b>1997</b> , 5, 10-11	0.4	
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	Coordinate-free self-organising feature maps. <i>Ultramicroscopy</i> , <b>1997</b> , 68, 201-214	3.1	8
11	A new generation of the IMAGIC image processing system. <i>Journal of Structural Biology</i> , <b>1996</b> , 116, 17-24	3.4	1097
10	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
9	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
8	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
7	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
6	Structures of ribosomal subunits from <i>Saccharomyces cerevisiae</i> . <i>Micron and Microscopica Acta</i> , <b>1992</b> , 23, 273-286		4
5	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
4	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



3	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
2	Representation of rotations by unit quaternions. <i>Ultramicroscopy</i> , <b>1990</b> , 33, 209-213	3.1	14
1	Direct three-dimensional reconstruction for macromolecular complexes from electron micrographs. <i>Ultramicroscopy</i> , <b>1983</b> , 12, 309-319	3.1	52