

# Vladimir Varlen Bamm

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

524  
citations

759233

12  
h-index

677142

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

760  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiolipin exposure on the outer mitochondrial membrane modulates $\alpha$ -synuclein. <i>Nature Communications</i> , 2018, 9, 817.	12.8	136
2	MyelinStones: 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
3	Nitration of microtubules blocks axonal mitochondrial transport in a human pluripotent stem cell model of Parkinson's disease. <i>FASEB Journal</i> , 2018, 32, 5350-5364.	0.5	37
4	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
5	$\alpha$ -Synuclein mutation impairs processing of endomembrane compartments and promotes exocytosis and seeding of $\alpha$ -synuclein pathology. <i>Cell Reports</i> , 2021, 35, 109099.	6.4	29
6	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
7	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
8	Lyme Disease Frontiers: Reconciling Borrelia Biology and Clinical Conundrums. <i>Pathogens</i> , 2019, 8, 299.	2.8	25
9	Interaction of Myelin Basic Protein with Actin in the Presence of Dodecylphosphocholine Micelles. <i>Biochemistry</i> , 2010, 49, 6903-6915.	2.5	21
10	Thermodynamic Analysis of the Disorder-to- $\alpha$ -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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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> , 2008, 62, 36-43.	1.3	5

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19	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> , 2015, 461, 136-141.	2.1	5
20	Partial magic angle spinning NMR <sup>1</sup> H, <sup>13</sup> C, <sup>15</sup> 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> , 2021, 15, 297-303.	0.8	5
21	–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> , 2014, 582, 130-132.	2.1	3
22	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
23	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