

# Peter Barath

## List of Publications by Year in descending order

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53  
papers

1,776  
citations

471509

17  
h-index

265206

42  
g-index

57  
all docs

57  
docs citations

57  
times ranked

2699  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tandem affinity purification protocol for isolation of protein complexes from <i>Schizosaccharomyces pombe</i> . STAR Protocols, 2022, 3, 101137.	1.2	1
2	Transcriptome and proteome profiling reveals complex adaptations of <i>Candida parapsilosis</i> cells assimilating hydroxyaromatic carbon sources. PLoS Genetics, 2022, 18, e1009815.	3.5	1
3	Deep Insights into the Specific Evolution of Fungal Hybrid B Heme Peroxidases. Biology, 2022, 11, 459.	2.8	4
4	Fragmentation analysis of O-specific polysaccharide from bacteria <i>Vibrio cholerae</i> O139 by MALDI-TOF and LC/ESI-MS/MS. European Journal of Mass Spectrometry, 2022, , 146906672210991.	1.0	0
5	Differences in mitochondrial NADH dehydrogenase activities in trypanosomatids. Parasitology, 2021, 148, 1161-1170.	1.5	14
6	Label-Free Quantitative Phosphoproteomics of the Fission Yeast <i>Schizosaccharomyces pombe</i> Using Strong Anion Exchange- and Porous Graphitic Carbon-Based Fractionation Strategies. International Journal of Molecular Sciences, 2021, 22, 1747.	4.1	6
7	An ABC transporter Wzm/Wzt catalyzes translocation of lipid-linked galactan across the plasma membrane in mycobacteria. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	4
8	Identification of Nrl1 Domains Responsible for Interactions with RNA-Processing Factors and Regulation of Nrl1 Function by Phosphorylation. International Journal of Molecular Sciences, 2021, 22, 7011.	4.1	4
9	OCT1 – a yeast mitochondrial thiolase involved in the 3-oxoadipate pathway. FEMS Yeast Research, 2021, 21, .	2.3	2
10	Production of Recombinant Human Ceruloplasmin: Improvements and Perspectives. International Journal of Molecular Sciences, 2021, 22, 8228.	4.1	1
11	A novel homozygous mutation in the human ALG12 gene results in an aberrant profile of oligomannose N-glycans in patient's serum. American Journal of Medical Genetics, Part A, 2021, 185, 3494-3501.	1.2	6
12	The yeast mitochondrial succinylome: Implications for regulation of mitochondrial nucleoids. Journal of Biological Chemistry, 2021, 297, 101155.	3.4	8
13	Congenital disorders of glycosylation – an umbrella term for rapidly expanding group of rare genetic metabolic disorders – importance of physical investigation. Bratislava Medical Journal, 2021, 122, 190-195.	0.8	4
14	Highly flexible metabolism of the marine euglenozoan protist <i>Diplonema papillatum</i> . BMC Biology, 2021, 19, 251.	3.8	19
15	Phosphoproteomics Meets Chemical Genetics: Approaches for Global Mapping and Deciphering the Phosphoproteome. International Journal of Molecular Sciences, 2020, 21, 7637.	4.1	4
16	A simple and rapid LC-MS/MS and CE-MS/MS analytical strategy for the determination of therapeutic peptides in modern immunotherapeutics and biopharmaceutics. Journal of Pharmaceutical and Biomedical Analysis, 2020, 189, 113449.	2.8	14
17	Influence of media composition on recombinant monoclonal IgA1 glycosylation analysed by lectin-based protein microarray and MALDI-MS. Journal of Biotechnology, 2020, 314-315, 34-40.	3.8	14
18	Inherited metabolic disorders of glycoconjugate metabolism. Bratislava Medical Journal, 2020, 121, 760-766.	0.8	0

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19	Isolation, Purification, Characterization and Direct Conjugation of the Lipid-Free Lipopolysaccharide of <i>Vibrio cholerae</i> O139. <i>Chemistry - A European Journal</i> , 2019, 25, 12946-12956.	3.3	9
20	Release of reactive selenium species from phthalic selenoanhydride in the presence of hydrogen sulfide and glutathione with implications for cancer research. <i>New Journal of Chemistry</i> , 2019, 43, 11771-11783.	2.8	18
21	Glycoanalysis of the placental membrane glycoproteins throughout placental development. <i>Mechanisms of Ageing and Development</i> , 2019, 183, 111151.	4.6	8
22	Identification of proteins associated with splicing factors Ntr1, Ntr2, Brr2 and Gpl1 in the fission yeast <i>Schizosaccharomyces pombe</i> . <i>Cell Cycle</i> , 2019, 18, 1532-1536.	2.6	5
23	Biochemical and proteomic characterization of the extracellular enzymatic preparate of <i>Exiguobacterium undae</i> , suitable for efficient animal glue removal. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 6525-6536.	3.6	12
24	Induction, regulation and roles of neural adhesion molecule L1CAM in cellular senescence. <i>Aging</i> , 2018, 10, 434-462.	3.1	14
25	Inactivation of the Nuclear Orphan Receptor COUP-TFII by Small Chemicals. <i>ACS Chemical Biology</i> , 2017, 12, 654-663.	3.4	13
26	Changes of Cerebrospinal Fluid Peptides due to Tauopathy. <i>Journal of Alzheimer's Disease</i> , 2017, 58, 507-520.	2.6	6
27	<i>N</i> -Acetylglucosamine-1-Phosphate Transferase, <i>WecA</i> , as a Validated Drug Target in <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	20
28	Sweet characterisation of prostate specific antigen using electrochemical lectin-based immunosensor assay and MALDI TOF/TOF analysis: Focus on sialic acid. <i>Proteomics</i> , 2016, 16, 3085-3095.	2.2	31
29	Purification and characterization of the acyltransferase involved in biosynthesis of the major mycobacterial cell envelope glycolipid "Monoacylated phosphatidylinositol dimannoside. <i>Protein Expression and Purification</i> , 2014, 100, 33-39.	1.3	9
30	N-terminal Truncation of Microtubule Associated Protein Tau Dysregulates its Cellular Localization. <i>Journal of Alzheimer's Disease</i> , 2014, 43, 915-926.	2.6	40
31	The self-perpetuating tau truncation circle. <i>Biochemical Society Transactions</i> , 2012, 40, 681-686.	3.4	44
32	Regulation of the PML tumor suppressor in drug-induced senescence of human normal and cancer cells by JAK/STAT-mediated signaling. <i>Cell Cycle</i> , 2010, 9, 3157-3171.	2.6	148
33	Biological and Biophysical Properties of the Histone Deacetylase Inhibitor Suberoylanilide Hydroxamic Acid Are Affected by the Presence of Short Alkyl Groups on the Phenyl Ring. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 1937-1950.	6.4	23
34	Expression and purification of recombinant NFI proteins for functional analysis. <i>General Physiology and Biophysics</i> , 2009, 28, 331-339.	0.9	1
35	Identification of small molecule regulators of the nuclear receptor HNF4 $\alpha$ based on naphthofuran scaffolds. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 7021-7030.	3.0	66
36	Cyclical DNA methylation of a transcriptionally active promoter. <i>Nature</i> , 2008, 452, 45-50.	27.8	830

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37	Growth-dependent repression of human adenine nucleotide translocator-2 (ANT2) transcription: evidence for the participation of Smad and Sp family proteins in the NF1-dependent repressor complex. <i>Biochemical Journal</i> , 2008, 412, 123-130.	3.7	15
38	Deoxyribonucleic Acid Methyl Transferases 3a and 3b Associate with the Nuclear Orphan Receptor COUP-TFI during Gene Activation. <i>Molecular Endocrinology</i> , 2007, 21, 2085-2098.	3.7	23
39	Identification of NF1 as a silencer protein of the human adenine nucleotide translocase-2 gene. <i>FEBS Journal</i> , 2004, 271, 1781-1788.	0.2	10
40	Repression of the Human Adenine Nucleotide Translocase-2 Gene in Growth-arrested Human Diploid Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 30624-30633.	3.4	32
41	Multiple Phosphorylation Events Control Chicken Ovalbumin Upstream Promoter Transcription Factor I Orphan Nuclear Receptor Activity. <i>Molecular Endocrinology</i> , 2002, 16, 1332-1351.	3.7	18
42	Multiple Phosphorylation Events Control Chicken Ovalbumin Upstream Promoter Transcription Factor I Orphan Nuclear Receptor Activity. <i>Molecular Endocrinology</i> , 2002, 16, 1332-1351.	3.7	6
43	Sp1 and chromatin environment are important contributors to the formation of repressive chromatin structures on the transfected human adenine nucleotide translocase-2 promoter. <i>Biochemical Journal</i> , 2000, 346, 93.	3.7	5
44	Activity of the human cytochrome c1 promoter is modulated by E2F. <i>Biochemical Journal</i> , 2000, 351, 251.	3.7	9
45	In vivo mapping of the human adenine nucleotide translocator-2 (ANT2) promoter provides support for regulation by a pair of proximal Sp1-activating sites and an upstream silencer element. <i>Biochemical Journal</i> , 2000, 352, 519.	3.7	4
46	Sp1 and chromatin environment are important contributors to the formation of repressive chromatin structures on the transfected human adenine nucleotide translocase-2 promoter. <i>Biochemical Journal</i> , 2000, 346, 93-97.	3.7	22
47	In vivo mapping of the human adenine nucleotide translocator-2 (ANT2) promoter provides support for regulation by a pair of proximal Sp1-activating sites and an upstream silencer element. <i>Biochemical Journal</i> , 2000, 352, 519-523.	3.7	4
48	Characterization of a Silencer Element and Purification of a Silencer Protein That Negatively Regulates the Human Adenine Nucleotide Translocator 2 Promoter. <i>Journal of Biological Chemistry</i> , 1999, 274, 3378-3384.	3.4	22
49	On the role of the general transcription factor Sp1 in the activation and repression of diverse mammalian oxidative phosphorylation genes. <i>Journal of Bioenergetics and Biomembranes</i> , 1999, 31, 129-135.	2.3	65
50	The Growth-Dependent Expression of the Adenine Nucleotide Translocase-2 (ANT2) Gene Is Regulated at the Level of Transcription and Is a Marker of Cell Proliferation. <i>Experimental Cell Research</i> , 1999, 248, 583-588.	2.6	53
51	1AP-2 Enhances Spl-Dependent Activation of the Growth-Regulated Human ATP/ADP Translocator. <i>Journal of Biochemistry</i> , 1999, 126, 130-136.	1.7	9
52	Sp1 Activates and Inhibits Transcription from Separate Elements in the Proximal Promoter of the Human Adenine Nucleotide Translocase 2 (ANT2) Gene. <i>Journal of Biological Chemistry</i> , 1996, 271, 18925-18930.	3.4	74
53	Diagnostics of lysosomal storage diseases by mass spectrometry: a review. <i>Chemical Papers</i> , 0, , .	2.2	2