

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	Cyclical DNA methylation of a transcriptionally active promoter. <i>Nature</i> , 2008, 452, 45-50.	27.8	830
2	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
3	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
4	Identification of small molecule regulators of the nuclear receptor HNF4 α based on naphthofuran scaffolds. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 7021-7030.	3.0	66
5	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
6	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
7	The self-perpetuating tau truncation circle. <i>Biochemical Society Transactions</i> , 2012, 40, 681-686.	3.4	44
8	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
9	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
10	Sweet characterisation of prostate specific antigen using electrochemical lectin α -based immunosensor assay and MALDI TOF/TOF analysis: Focus on sialic acid. <i>Proteomics</i> , 2016, 16, 3085-3095.	2.2	31
11	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
12	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
13	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
14	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
15	<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
16	Highly flexible metabolism of the marine euglenozoan protist <i>Diplonema papillatum</i> . <i>BMC Biology</i> , 2021, 19, 251.	3.8	19
17	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
18	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

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19	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
20	A simple and rapid LC-MS/MS and CE-MS/MS analytical strategy for the determination of therapeutic peptides in modern immunotherapeutics and biopharmaceuticals. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 189, 113449.	2.8	14
21	Influence of media composition on recombinant monoclonal IgA1 glycosylation analysed by lectin-based protein microarray and MALDI-MS. <i>Journal of Biotechnology</i> , 2020, 314-315, 34-40.	3.8	14
22	Differences in mitochondrial NADH dehydrogenase activities in trypanosomatids. <i>Parasitology</i> , 2021, 148, 1161-1170.	1.5	14
23	Induction, regulation and roles of neural adhesion molecule L1CAM in cellular senescence. <i>Aging</i> , 2018, 10, 434-462.	3.1	14
24	Inactivation of the Nuclear Orphan Receptor COUP-TFII by Small Chemicals. <i>ACS Chemical Biology</i> , 2017, 12, 654-663.	3.4	13
25	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
26	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
27	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
28	Activity of the human cytochrome c1 promoter is modulated by E2F. <i>Biochemical Journal</i> , 2000, 351, 251.	3.7	9
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	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
31	Glycoanalysis of the placental membrane glycoproteins throughout placental development. <i>Mechanisms of Ageing and Development</i> , 2019, 183, 111151.	4.6	8
32	The yeast mitochondrial succinylome: Implications for regulation of mitochondrial nucleoids. <i>Journal of Biological Chemistry</i> , 2021, 297, 101155.	3.4	8
33	Changes of Cerebrospinal Fluid Peptides due to Tauopathy. <i>Journal of Alzheimer's Disease</i> , 2017, 58, 507-520.	2.6	6
34	Label-Free Quantitative Phosphoproteomics of the Fission Yeast <i>Schizosaccharomyces pombe</i> Using Strong Anion Exchange- and Porous Graphitic Carbon-Based Fractionation Strategies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1747.	4.1	6
35	A novel homozygous mutation in the human ALG12 gene results in an aberrant profile of oligomannose N-glycans in patient's serum. <i>American Journal of Medical Genetics, Part A</i> , 2021, 185, 3494-3501.	1.2	6
36	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

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37	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
38	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
39	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
40	Phosphoproteomics Meets Chemical Genetics: Approaches for Global Mapping and Deciphering the Phosphoproteome. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7637.	4.1	4
41	An ABC transporter Wzm-Wzt catalyzes translocation of lipid-linked galactan across the plasma membrane in mycobacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	4
42	Identification of Nrl1 Domains Responsible for Interactions with RNA-Processing Factors and Regulation of Nrl1 Function by Phosphorylation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7011.	4.1	4
43	Congenital disorders of glycosylation – an umbrella term for rapidly expanding group of rare genetic metabolic disorders – importance of physical investigation. <i>Bratislava Medical Journal</i> , 2021, 122, 190-195.	0.8	4
44	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
45	Deep Insights into the Specific Evolution of Fungal Hybrid B Heme Peroxidases. <i>Biology</i> , 2022, 11, 459.	2.8	4
46	OCT1 – a yeast mitochondrial thiolase involved in the 3-oxoadipate pathway. <i>FEMS Yeast Research</i> , 2021, 21, .	2.3	2
47	Diagnostics of lysosomal storage diseases by mass spectrometry: a review. <i>Chemical Papers</i> , 0, , .	2.2	2
48	Expression and purification of recombinant NFI proteins for functional analysis. <i>General Physiology and Biophysics</i> , 2009, 28, 331-339.	0.9	1
49	Production of Recombinant Human Ceruloplasmin: Improvements and Perspectives. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8228.	4.1	1
50	Tandem affinity purification protocol for isolation of protein complexes from <i>Schizosaccharomyces pombe</i> . <i>STAR Protocols</i> , 2022, 3, 101137.	1.2	1
51	Transcriptome and proteome profiling reveals complex adaptations of <i>Candida parapsilosis</i> cells assimilating hydroxyaromatic carbon sources. <i>PLoS Genetics</i> , 2022, 18, e1009815.	3.5	1
52	Inherited metabolic disorders of glycoconjugate metabolism. <i>Bratislava Medical Journal</i> , 2020, 121, 760-766.	0.8	0
53	Fragmentation analysis of O-specific polysaccharide from bacteria <i>Vibrio cholerae</i> O139 by MALDI-TOF and LC/ESI-MS/MS. <i>European Journal of Mass Spectrometry</i> , 2022, , 146906672210991.	1.0	0