Michalis Aivaliotis

List of Publications by Year
in descending order

53	1,419	304743	345221
papers	citations	22 h-index	36 g-index

56	56	56	2285
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comprehensive human urine standards for comparability and standardization in clinical proteome analysis. Proteomics - Clinical Applications, 2010, 4, 464-478.	1.6	139
2	Large-Scale Identification of N-Terminal Peptides in the Halophilic ArchaeaHalobacteriumsalinarumandNatronomonaspharaonis. Journal of Proteome Research, 2007, 6, 2195-2204.	3.7	109
3	Ser/Thr/Tyr Protein Phosphorylation in the Archaeon Halobacterium salinarumâ€"A Representative of the Third Domain of Life. PLoS ONE, 2009, 4, e4777.	2.5	84
4	Archaeal N-terminal Protein Maturation Commonly Involves N-terminal Acetylation: A Large-scale Proteomics Survey. Journal of Molecular Biology, 2006, 362, 915-924.	4.2	80
5	The Escherichia coli Peripheral Inner Membrane Proteome. Molecular and Cellular Proteomics, 2013, 12, 599-610.	3.8	79
6	The Low Molecular Weight Proteome ofHalobacterium salinarum. Journal of Proteome Research, 2007, 6, 1510-1518.	3.7	63
7	Gene promoter methylation and cancer: An umbrella review. Gene, 2019, 710, 333-340.	2.2	63
8	Mosquitoes cloak their legs to resist insecticides. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191091.	2.6	56
9	Antagonizing effects of membrane-acting androgens on the eicosanoid receptor OXER1 in prostate cancer. Scientific Reports, 2017, 7, 44418.	3.3	45
10	Tissue-infiltrating macrophages mediate an exosome-based metabolic reprogramming upon DNA damage. Nature Communications, 2020, 11, 42.	12.8	44
11	The protein interaction network of a taxis signal transduction system in a Halophilic Archaeon. BMC Microbiology, 2012, 12, 272.	3.3	37
12	ProteoSign: an end-user online differential proteomics statistical analysis platform. Nucleic Acids Research, 2017, 45, W300-W306.	14.5	32
13	The N-terminal Shuttle Domain of Erv1 Determines the Affinity for Mia40 and Mediates Electron Transfer to the Catalytic Erv1 Core in Yeast Mitochondria. Antioxidants and Redox Signaling, 2010, 13, 1327-1339.	5.4	30
14	Analysis of the urine proteome via a combination of multiâ€dimensional approaches. Proteomics, 2012, 12, 391-400.	2.2	30
15	Molecular size determination of a membrane protein in surfactants by light scattering. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1615, 69-76.	2.6	28
16	Identification of inducible protein complexes in the phenol degrader Pseudomonas sp. strain phDV1 by blue native gel electrophoresis and mass spectrometry. Amino Acids, 2006, 30, 63-72.	2.7	28
17	ERCC1â€"XPF cooperates with CTCF and cohesin toÂfacilitate the developmental silencing of imprintedÂgenes. Nature Cell Biology, 2017, 19, 421-432.	10.3	28
18	Development of the MAM model of schizophrenia in mice: Sex similarities and differences of hippocampal and prefrontal cortical function. Neuropharmacology, 2019, 144, 193-207.	4.1	28

#	Article	IF	Citations
19	Genome-Wide Proteomics of Natronomonas pharaonis. Journal of Proteome Research, 2007, 6, 185-193.	3.7	25
20	Proteomic Screening for Possible Effector Molecules Secreted by the Obligate Intracellular Pathogen Coxiella burnetii. Journal of Proteome Research, 2010, 9, 1619-1626.	3.7	24
21	Using nanoelectrospray ion mobility spectrometry (GEMMA) to determine the size and relative molecular mass of proteins and protein assemblies: a comparison with MALLS and QELS. Analytical and Bioanalytical Chemistry, 2011, 399, 2421-2433.	3.7	24
22	Rapid labelâ€free quantitative analysis of the E. coli BL21(DE3) inner membrane proteome. Proteomics, 2016, 16, 85-97.	2.2	24
23	An Alternative Strategy for the Membrane Proteome Analysis of the Green Sulfur Bacterium Chlorobium tepidum Using Blue Native PAGE and 2-D PAGE on Purified Membranes. Journal of Proteome Research, 2007, 6, 1048-1058.	3.7	23
24	Spatial proximity of homologous alleles and long noncoding RNAs regulate a switch in allelic gene expression. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1577-86.	7.1	23
25	Membrane proteome analysis of the greenâ€sulfur bacterium Chlorobium tepidum. Electrophoresis, 2004, 25, 3468-3474.	2.4	22
26	High throughput two-dimensional blue-native electrophoresis: a tool for functional proteomics of cytoplasmatic protein complexes from Chlorobium tepidum. Photosynthesis Research, 2006, 88, 143-157.	2.9	22
27	Mass spectrometric mapping of the enzymes involved in the phenol degradation of an indigenous soil pseudomonad. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2004, 1700, 117-123.	2.3	21
28	Lifeâ€style changes of a halophilic archaeon analyzed by quantitative proteomics. Proteomics, 2009, 9, 3843-3855.	2.2	21
29	Unusual Î±-Carbon Hydroxylation of Proline Promotes Active-Site Maturation. Journal of the American Chemical Society, 2017, 139, 5330-5337.	13.7	20
30	Focal adhesion kinase phosphorylates the phosphatase and tensin homolog deleted on chromosome 10 under the control of p110Î´ phosphoinositideâ€3 kinase. FASEB Journal, 2015, 29, 4840-4852.	0.5	19
31	Towards analyzing the potential of exosomes to deliver microRNA therapeutics. Journal of Cellular Physiology, 2021, 236, 1529-1544.	4.1	17
32	Soluble <scp>MHC</scp>â€I proteins promote suppressive activity in <scp>CD</scp>4⁺ T cells. Immunology, 2015, 144, 158-169.	4.4	15
33	Proteomic analysis of chlorosome-depleted membranes of the green sulfur bacteriumChlorobium tepidum. Proteomics, 2006, 6, 217-232.	2.2	13
34	Detection and characterisation of catechol 2,3-dioxygenase in an indigenous soil Pseudomonad by MALDI-TOF MS using a column separation. Biodegradation, 2005, 16, 181-186.	3.0	11
35	HrpG and HrpV proteins from the Type III secretion system of Erwinia amylovora form a stable heterodimer. FEMS Microbiology Letters, 2015, 362, 1-8.	1.8	9
36	Migration of Type III Secretion System Transcriptional Regulators Links Gene Expression to Secretion. MBio, 2018, 9, .	4.1	9

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37	Isolation and Characterization of an Outer Membrane Protein of Chlorobium tepidum. Photosynthesis Research, 2004, 79, 161-166.	2.9	8
38	UniProt-Related Documents (UniReD): assisting wet lab biologists in their quest on finding novel counterparts in a protein network. NAR Genomics and Bioinformatics, 2020, 2, lqaa005.	3.2	8
39	A spatiotemporal atlas of the lepidopteran pest Helicoverpa armigera midgut provides insights into nutrient processing and pH regulation. BMC Genomics, 2022, 23, 75.	2.8	8
40	A comparative approach towards thylakoid membrane proteome analysis of unicellular green alga Scenedesmus obliquus. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 2271-2279.	2.6	7
41	The crystal structure of Z-Gly-Aib-Gly-Aib-OtBu. Journal of Peptide Science, 2015, 21, 476-479.	1.4	7
42	Characterization by Mass Spectroscopy of a 10 kDac-554 Cytochrome from the Green Sulfur BacteriumChlorobium tepidum. Photosynthesis Research, 2003, 78, 153-160.	2.9	5
43	Deciphering lymphoma pathogenesis via state-of-the-art mass spectrometry-based quantitative proteomics. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1047, 2-14.	2.3	5
44	Subtyping on Live Lymphoma Cell Lines by Raman Spectroscopy. Materials, 2022, 15, 546.	2.9	5
45	Protein and Lipid Composition of a Vitellin Isolated from Eggs of Sparus aurata. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2004, 59, 132-134.	1.4	3
46	Membrane proteome of the green sulfur bacterium Chlorobium tepidum (syn. Chlorobaculum tepidum) analyzed by gel-based and gel-free methods. Photosynthesis Research, 2010, 104, 153-162.	2.9	3
47	Establishment of computational biology in Greece and Cyprus: Past, present, and future. PLoS Computational Biology, 2019, 15, e1007532.	3.2	3
48	Proteomics and Drug Repurposing in CLL towards Precision Medicine. Cancers, 2021, 13, 3391.	3.7	3
49	AMY1 diploid copy number among end-stage renal disease patients. Hormones, 2020, 19, 369-376.	1.9	2
50	Pathogenesis of Age-Related Cataract: A Systematic Review of Proteomic Studies. Current Proteomics, 2021, 18, 458-466.	0.3	2
51	Invariable Ribosome Stoichiometry During Murine Erythroid Differentiation: Implications for Understanding Ribosomopathies. Frontiers in Molecular Biosciences, 2022, 9, 805541.	3.5	2
52	2D-GE image segmentation based on level-sets. , 2011, , .		1
53	Data on the expression of SRPK1a in mammals. Data in Brief, 2019, 25, 104210.	1.0	0