

Krzysztof PawÅ,owski

List of Publications by Year in descending order

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80
papers

3,005
citations

172457

29
h-index

182427

51
g-index

87
all docs

87
docs citations

87
times ranked

4390
citing authors

#	ARTICLE	IF	CITATIONS
1	A Diverse Family of Proteins Containing Tumor Necrosis Factor Receptor-associated Factor Domains. <i>Journal of Biological Chemistry</i> , 2001, 276, 24242-24252.	3.4	192
2	Expression of Genes Involved in Oxidative Stress Responses in Airway Epithelial Cells of Smokers with Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007, 175, 577-586.	5.6	191
3	Ion Channel Activity of the BH3 Only Bcl-2 Family Member, BID. <i>Journal of Biological Chemistry</i> , 1999, 274, 21932-21936.	3.4	174
4	BAR: An apoptosis regulator at the intersection of caspases and Bcl-2 family proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 2597-2602.	7.1	172
5	ADP-ribosyltransferases, an update on function and nomenclature. <i>FEBS Journal</i> , 2022, 289, 7399-7410.	4.7	150
6	Protein AMPylation by an Evolutionarily Conserved Pseudokinase. <i>Cell</i> , 2018, 175, 809-821.e19.	28.9	149
7	PAAD – a new protein domain associated with apoptosis, cancer and autoimmune diseases. <i>Trends in Biochemical Sciences</i> , 2001, 26, 85-87.	7.5	129
8	Bacterial pseudokinase catalyzes protein polyglutamylation to inhibit the SidE-family ubiquitin ligases. <i>Science</i> , 2019, 364, 787-792.	12.6	111
9	CADD, a Chlamydia Protein That Interacts with Death Receptors. <i>Journal of Biological Chemistry</i> , 2002, 277, 9633-9636.	3.4	84
10	Saturated BLAST: an automated multiple intermediate sequence search used to detect distant homology. <i>Bioinformatics</i> , 2000, 16, 1105-1110.	4.1	69
11	TNF- α -induced self expression in human lung endothelial cells is inhibited by native and oxidized α 1-antitrypsin. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 258-271.	2.8	62
12	Novel Higher-Order Epigenetic Regulation of the <i>Bdnf</i> Gene upon Seizures. <i>Journal of Neuroscience</i> , 2013, 33, 2507-2511.	3.6	62
13	A Novel Protein Kinase-Like Domain in a Selenoprotein, Widespread in the Tree of Life. <i>PLoS ONE</i> , 2012, 7, e32138.	2.5	61
14	FAM46 proteins are novel eukaryotic non-canonical poly(A) polymerases. <i>Nucleic Acids Research</i> , 2016, 44, 3534-3548.	14.5	60
15	From fold predictions to function predictions: Automation of functional site conservation analysis for functional genome predictions. <i>Protein Science</i> , 1999, 8, 1104-1115.	7.6	59
16	Phosphorylation of spore coat proteins by a family of atypical protein kinases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3482-91.	7.1	56
17	A Bacterial Effector Mimics a Host HSP90 Client to Undermine Immunity. <i>Cell</i> , 2019, 179, 205-218.e21.	28.9	53
18	Genome-wide functional analyses of plant coiled-coil NLR-type pathogen receptors reveal essential roles of their N-terminal domain in oligomerization, networking, and immunity. <i>PLoS Biology</i> , 2018, 16, e2005821.	5.6	52

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19	Metabolic control of BRISCA€SHMT2 assembly regulates immune signalling. <i>Nature</i> , 2019, 570, 194-199.	27.8	51
20	Novel conserved hydrolase domain in the CLCA family of alleged calcium-activated chloride channels. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 63, 424-439.	2.6	49
21	Isolated Calcium-Binding Loops of EF-Hand Proteins Can Dimerize To Form a Native-Like Structure. <i>Biochemistry</i> , 1997, 36, 680-687.	2.5	44
22	Quantitative proteomics identifies brain acid soluble protein 1 (BASP1) as a prognostic biomarker candidate in pancreatic cancer tissue. <i>EBioMedicine</i> , 2019, 43, 282-294.	6.1	43
23	A Novel Predicted Calcium-Regulated Kinase Family Implicated in Neurological Disorders. <i>PLoS ONE</i> , 2013, 8, e66427.	2.5	40
24	YAP1 is an independent prognostic marker in pancreatic cancer and associated with extracellular matrix remodeling. <i>Journal of Translational Medicine</i> , 2020, 18, 77.	4.4	40
25	LTK is an ER-resident receptor tyrosine kinase that regulates secretion. <i>Journal of Cell Biology</i> , 2019, 218, 2470-2480.	5.2	39
26	Proteomic analyses identify prognostic biomarkers for pancreatic ductal adenocarcinoma. <i>Oncotarget</i> , 2018, 9, 9789-9807.	1.8	38
27	Surface Map Comparison: Studying Function Diversity of Homologous Proteins. <i>Journal of Molecular Biology</i> , 2001, 309, 793-806.	4.2	36
28	Identification and Characterization of DEDD2, a Death Effector Domain-containing Protein. <i>Journal of Biological Chemistry</i> , 2002, 277, 7501-7508.	3.4	36
29	Comparative Proteomic Analysis of Extracellular Vesicles Isolated by Acoustic Trapping or Differential Centrifugation. <i>Analytical Chemistry</i> , 2016, 88, 8577-8586.	6.5	36
30	Clinical protein science in translational medicine targeting malignant melanoma. <i>Cell Biology and Toxicology</i> , 2019, 35, 293-332.	5.3	33
31	Structural Diversity in a Family of Homologous Proteins. <i>Journal of Molecular Biology</i> , 1996, 258, 349-366.	4.2	32
32	Pseudo-DUBs as allosteric activators and molecular scaffolds of protein complexes. <i>Biochemical Society Transactions</i> , 2018, 46, 453-466.	3.4	29
33	Correlation of histopathologic characteristics to protein expression and function in malignant melanoma. <i>PLoS ONE</i> , 2017, 12, e0176167.	2.5	27
34	A widespread peroxiredoxin-like domain present in tumor suppression- and progression-implicated proteins. <i>BMC Genomics</i> , 2010, 11, 590.	2.8	26
35	Fold Predictions for Bacterial Genomes. <i>Journal of Structural Biology</i> , 2001, 134, 219-231.	2.8	25
36	Uncharacterized/hypothetical proteins in biomedical 'omics' experiments: is novelty being swept under the carpet?. <i>Briefings in Functional Genomics & Proteomics</i> , 2008, 7, 283-290.	3.8	25

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37	Multiple Model Approach: Exploring the Limits of Comparative Modeling. <i>Journal of Molecular Modeling</i> , 1998, 4, 294-309.	1.8	24
38	The dead phosphatases society: a review of the emerging roles of pseudophosphatases. <i>FEBS Journal</i> , 2020, 287, 4198-4220.	4.7	22
39	The Human Melanoma Proteome Atlasâ€”Complementing the melanoma transcriptome. <i>Clinical and Translational Medicine</i> , 2021, 11, e451.	4.0	20
40	Analysis of Alpha-Synuclein in Malignant Melanoma â€” Development of a SRM Quantification Assay. <i>PLoS ONE</i> , 2014, 9, e110804.	2.5	20
41	Probabilistic Approach to Predicting Substrate Specificity of Methyltransferases. <i>PLoS Computational Biology</i> , 2014, 10, e1003514.	3.2	19
42	A Protein Deep Sequencing Evaluation of Metastatic Melanoma Tissues. <i>PLoS ONE</i> , 2015, 10, e0123661.	2.5	19
43	PEAK3/C19orf35 pseudokinase, a new NFK3 kinase family member, inhibits Crkl through dimerization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15495-15504.	7.1	19
44	CLCAs - A Family of Metalloproteases of Intriguing Phylogenetic Distribution and with Cases of Substituted Catalytic Sites. <i>PLoS ONE</i> , 2013, 8, e62272.	2.5	19
45	The <i>Helicobacter pylori</i> genome: From sequence analysis to structural and functional predictions. <i>Proteins: Structure, Function and Bioinformatics</i> , 1999, 36, 20-30.	2.6	18
46	Structural and mechanistic basis for protein glutamylation by the kinase fold. <i>Molecular Cell</i> , 2021, 81, 4527-4539.e8.	9.7	18
47	A <i>Legionella</i> effector kinase is activated by host inositol hexakisphosphate. <i>Journal of Biological Chemistry</i> , 2020, 295, 6214-6224.	3.4	17
48	The Hidden Story of Heterogeneous B-raf V600E Mutation Quantitative Protein Expression in Metastatic Melanomaâ€”Association with Clinical Outcome and Tumor Phenotypes. <i>Cancers</i> , 2019, 11, 1981.	3.7	16
49	Dynamic remodeling of host membranes by self-organizing bacterial effectors. <i>Science</i> , 2021, 372, 935-941.	12.6	16
50	A <i>Legionella</i> effector ADP-ribosyltransferase inactivates glutamate dehydrogenase. <i>Journal of Biological Chemistry</i> , 2021, 296, 100301.	3.4	15
51	Structural and functional characterization of annexin 1 from <i>Medicago truncatula</i> . <i>Plant Physiology and Biochemistry</i> , 2013, 73, 56-62.	5.8	14
52	The human melanoma proteome atlasâ€”Defining the molecular pathology. <i>Clinical and Translational Medicine</i> , 2021, 11, e473.	4.0	14
53	Bioinformatics Analysis of Bacterial Annexins â€” Putative Ancestral Relatives of Eukaryotic Annexins. <i>PLoS ONE</i> , 2014, 9, e85428.	2.5	14
54	STYX: a versatile pseudophosphatase. <i>Biochemical Society Transactions</i> , 2017, 45, 449-456.	3.4	13

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55	Improved survival prognostication of node-positive malignant melanoma patients utilizing shotgun proteomics guided by histopathological characterization and genomic data. <i>Scientific Reports</i> , 2019, 9, 5154.	3.3	12
56	Genomic positions of co-expressed genes: echoes of chromosome organisation in gene expression data. <i>BMC Research Notes</i> , 2013, 6, 229.	1.4	11
57	Alpha-1-acid glycoprotein 1 is upregulated in pancreatic ductal adenocarcinoma and confers a poor prognosis. <i>Translational Research</i> , 2019, 212, 67-79.	5.0	11
58	Labeling of heterochronic ribosomes reveals C1ORF109 and SPATA5 control a late step in human ribosome assembly. <i>Cell Reports</i> , 2022, 38, 110597.	6.4	11
59	Feasibility Study on Measuring Selected Proteins in Malignant Melanoma Tissue by SRM Quantification. <i>Journal of Proteome Research</i> , 2014, 13, 1315-1326.	3.7	9
60	A novel predicted ADP-ribosyltransferase-like family conserved in eukaryotic evolution. <i>PeerJ</i> , 2021, 9, e11051.	2.0	9
61	The expanding world of protein kinase-like families in bacteria: forty families and counting. <i>Biochemical Society Transactions</i> , 2020, 48, 1337-1352.	3.4	9
62	Intersection of selenoproteins and kinase signalling. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 1279-1284.	2.3	8
63	Global pentapeptide statistics are far away from expected distributions. <i>Scientific Reports</i> , 2018, 8, 15178.	3.3	7
64	Short-term effect of pharmacologically induced alterations in testosterone levels on common blood biomarkers in a controlled healthy human model. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2020, 80, 25-31.	1.2	7
65	Phosphoproteomic insights into processes influenced by the kinase-like protein DIA1/C3orf58. <i>PeerJ</i> , 2018, 6, e4599.	2.0	7
66	A novel conserved family of Macro-like domains – putative new players in ADP-ribosylation signaling. <i>PeerJ</i> , 2019, 7, e6863.	2.0	7
67	Bioinformatics Analysis of Oligosaccharide Phosphorylation Effect on the Stabilization of the β 2-Amylase Ligand Complex. <i>Journal of Carbohydrate Chemistry</i> , 2008, 27, 479-495.	1.1	6
68	An Approach to Predicting Hematopoietic Stem Cell Transplantation Outcome Using HLA-Mismatch Information Mapped on Protein Structure Data. <i>Biology of Blood and Marrow Transplantation</i> , 2009, 15, 1014-1025.	2.0	6
69	Workflow for large-scale analysis of melanoma tissue samples. <i>EuPA Open Proteomics</i> , 2015, 8, 78-84.	2.5	4
70	A pilot proteomic study reveals different protein profiles related to testosterone and gonadotropin changes in a short-term controlled healthy human cohort. <i>Journal of Proteomics</i> , 2020, 220, 103768.	2.4	4
71	Distinct Protein Classes in Human Red Cell Proteome Revealed by Similarity of Phylogenetic Profiles. <i>PLoS ONE</i> , 2013, 8, e54471.	2.5	3
72	Novel protein markers of androgen activity in humans: proteomic study of plasma from young chemically castrated men. <i>ELife</i> , 2022, 11, .	6.0	3

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73	Methods for discovering catalytic activities for pseudokinases. <i>Methods in Enzymology</i> , 2022, 667, 575-610.	1.0	3
74	From fold to function predictions: an apoptosis regulator protein BID. <i>Computers & Chemistry</i> , 2000, 24, 511-517.	1.2	2
75	Looking for chromosome spatial organization rules in microarray gene expression data. <i>BMC Bioinformatics</i> , 2009, 10, .	2.6	2
76	The <i>Legionella pneumophila</i> effector Lpg1137 is a homologue of mitochondrial SLC25 carrier proteins, not of known serine proteases. <i>PeerJ</i> , 2017, 5, e3849.	2.0	2
77	Short-Term Effect of Induced Alterations in Testosterone Levels on Fasting Plasma Amino Acid Levels in Healthy Young Men. <i>Life</i> , 2021, 11, 1276.	2.4	2
78	A novel predicted calcium-regulated kinase family implicated in neurological disorders. <i>Nature Precedings</i> , 2012, , .	0.1	1
79	The <i>Helicobacter pylori</i> genome: From sequence analysis to structural and functional predictions. <i>Proteins: Structure, Function and Bioinformatics</i> , 1999, 36, 20-30.	2.6	1
80	Alpha-1-acid glycoprotein 1 (AGP1) as a novel biomarker for pancreatic cancer.. <i>Journal of Clinical Oncology</i> , 2019, 37, e15708-e15708.	1.6	1