

Paul M Stemmer

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83
papers

1,701
citations

22
h-index

39
g-index

88
ext. papers

1,904
ext. citations

4.8
avg, IF

4.55
L-index

#	Paper	IF	Citations
83	Dual calcium ion regulation of calcineurin by calmodulin and calcineurin B. <i>Biochemistry</i> , 1994 , 33, 6859-662		256
82	Calmodulin is a limiting factor in the cell. <i>Trends in Cardiovascular Medicine</i> , 2002 , 12, 32-7	6.9	122
81	Tandem mass spectrometry strategies for phosphoproteome analysis. <i>Mass Spectrometry Reviews</i> , 2011 , 30, 600-25	11	104
80	Differential susceptibilities of serine/threonine phosphatases to oxidative and nitrosative stress. <i>Archives of Biochemistry and Biophysics</i> , 2002 , 404, 271-8	4.1	101
79	Analysis of Human Proteome Organization Plasma Proteome Project (HUPO PPP) reference specimens using surface enhanced laser desorption/ionization-time of flight (SELDI-TOF) mass spectrometry: multi-institution correlation of spectra and identification of biomarkers. <i>Proteomics</i> , 2005 , 5, 3467-74	4.8	88
78	Intestinal epithelial cells in vitro. <i>Stem Cells and Development</i> , 2010 , 19, 131-42	4.4	65
77	Modulation of the phosphatase activity of calcineurin by oxidants and antioxidants in vitro. <i>FEBS Journal</i> , 2000 , 267, 2312-22		63
76	Serine/threonine phosphatases in the nervous system. <i>Current Opinion in Neurobiology</i> , 1991 , 1, 53-64	7.6	57
75	Methionine oxidation in the calmodulin-binding domain of calcineurin disrupts calmodulin binding and calcineurin activation. <i>Biochemistry</i> , 2008 , 47, 3085-95	3.2	52
74	Interactions of calcineurin A, calcineurin B, and Ca ²⁺ . <i>Biochemistry</i> , 1999 , 38, 12481-9	3.2	41
73	Lead (Pb) exposure promotes diabetes in obese rodents. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017 , 39, 221-226	4.1	33
72	Pyrethroid insecticides as phosphatase inhibitors. <i>Biochemical Pharmacology</i> , 1998 , 55, 2017-22	6	32
71	Factors responsible for the Ca(2+)-dependent inactivation of calcineurin in brain. <i>FEBS Letters</i> , 1995 , 374, 237-40	3.8	32
70	Protein profiling underscores immunological functions of uterine cervical mucus plug in human pregnancy. <i>Journal of Proteomics</i> , 2011 , 74, 817-28	3.9	31
69	Diabetes and Exposure to Environmental Lead (Pb). <i>Toxics</i> , 2018 , 6,	4.7	29
68	Ca(2+) binding and energy coupling in the calmodulin-myosin light chain kinase complex. <i>Journal of Biological Chemistry</i> , 2000 , 275, 4199-204	5.4	28
67	Cortical Tubers: Windows into Dysregulation of Epilepsy Risk and Synaptic Signaling Genes by MicroRNAs. <i>Cerebral Cortex</i> , 2016 , 26, 1059-71	5.1	27

66	Filamin A phosphorylation by Akt promotes cell migration in response to arsenic. <i>Oncotarget</i> , 2015 , 6, 12009-19	3.3	27
65	Localization of unique functional determinants in the calmodulin lobes to individual EF hands. <i>Journal of Biological Chemistry</i> , 1996 , 271, 32217-25	5.4	24
64	Ca ²⁺ binding site 2 in calcineurin-B modulates calmodulin-dependent calcineurin phosphatase activity. <i>Biochemistry</i> , 2001 , 40, 8808-14	3.2	23
63	Enhanced characterization of singly protonated phosphopeptide ions by femtosecond laser-induced ionization/dissociation tandem mass spectrometry (fs-LID-MS/MS). <i>Journal of the American Society for Mass Spectrometry</i> , 2010 , 21, 2031-40	3.5	22
62	Effects of cathepsins B and L inhibition on postischemic protein alterations in the brain. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 366, 86-91	3.4	22
61	Aging and digitalis sensitivity of cardiac muscle in rats. <i>European Journal of Pharmacology</i> , 1985 , 113, 167-78	5.3	22
60	Sulfonium ion derivatization, isobaric stable isotope labeling and data dependent CID- and ETD-MS/MS for enhanced phosphopeptide quantitation, identification and phosphorylation site characterization. <i>Journal of the American Society for Mass Spectrometry</i> , 2012 , 23, 577-93	3.5	21
59	Gossypol inhibits calcineurin phosphatase activity at multiple sites. <i>European Journal of Pharmacology</i> , 2007 , 555, 106-14	5.3	20
58	The USP10-HDAC6 axis confers cisplatin resistance in non-small cell lung cancer lacking wild-type p53. <i>Cell Death and Disease</i> , 2020 , 11, 328	9.8	19
57	Sodium-pump activity and its inhibition by extracellular calcium in cardiac myocytes of guinea pigs. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1988 , 940, 188-96	3.8	19
56	A novel cross-talk between CXCR4 and PI4KIII β in prostate cancer cells. <i>Oncogene</i> , 2019 , 38, 332-344	9.2	18
55	Identification of an intrinsic determinant critical for maspin subcellular localization and function. <i>PLoS ONE</i> , 2013 , 8, e74502	3.7	17
54	Proteomic profiling of lipid rafts in a human breast cancer model of tumorigenic progression. <i>Clinical and Experimental Metastasis</i> , 2011 , 28, 529-40	4.7	16
53	Chronic Low Dose Oral Exposure to Microcystin-LR Exacerbates Hepatic Injury in a Murine Model of Non-Alcoholic Fatty Liver Disease. <i>Toxins</i> , 2019 , 11,	4.9	15
52	Abrogating phosphorylation of eIF4B is required for EGFR and mTOR inhibitor synergy in triple-negative breast cancer. <i>Breast Cancer Research and Treatment</i> , 2014 , 147, 283-93	4.4	15
51	Rapid high mass resolution mass spectrometry using matrix-assisted ionization. <i>Methods</i> , 2016 , 104, 63-8	4.6	15
50	The proteomic investigation reveals interaction of mdig protein with the machinery of DNA double-strand break repair. <i>Oncotarget</i> , 2015 , 6, 28269-81	3.3	14
49	A systems toxicology approach identifies Lyn as a key signaling phosphoprotein modulated by mercury in a B lymphocyte cell model. <i>Toxicology and Applied Pharmacology</i> , 2014 , 276, 47-54	4.6	13

48	Single Amino Acid Variant Discovery in Small Numbers of Cells. <i>Journal of Proteome Research</i> , 2019 , 18, 417-425	5.6	12
47	Proteomics analysis of rough endoplasmic reticulum in pancreatic beta cells. <i>Proteomics</i> , 2015 , 15, 1508-1518	4.8	10
46	Alcohols increase calmodulin affinity for Ca ²⁺ and decrease target affinity for calmodulin. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2004 , 1691, 161-7	4.9	10
45	Effects of Ca ²⁺ on the sodium pump observed in cardiac myocytes isolated from guinea pigs. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1989 , 982, 279-87	3.8	10
44	Exosome-enriched fractions from MS B cells induce oligodendrocyte death. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2019 , 6, e550	9.1	9
43	New discoveries of mdig in the epigenetic regulation of cancers. <i>Seminars in Cancer Biology</i> , 2019 , 57, 27-35	12.7	9
42	Isolation and enrichment of Ca ²⁺ -tolerant myocytes for biochemical experiments from guinea-pig heart. <i>Life Sciences</i> , 1989 , 44, 1231-7	6.8	9
41	Mercury alters B-cell protein phosphorylation profiles. <i>Journal of Proteome Research</i> , 2014 , 13, 496-505	5.6	8
40	Oxidation-induced conformational changes in calcineurin determined by covalent labeling and tandem mass spectrometry. <i>Biochemistry</i> , 2014 , 53, 6754-65	3.2	8
39	Reduced tolerance to digitalis-induced arrhythmias caused by coronary-flow alterations in isolated perfused heart of guinea pigs. <i>Life Sciences</i> , 1984 , 34, 105-12	6.8	8
38	Comprehensive Detection of Single Amino Acid Variants and Evaluation of Their Deleterious Potential in a PANC-1 Cell Line. <i>Journal of Proteome Research</i> , 2020 , 19, 1635-1646	5.6	7
37	Cyclosporin A has low potency as a calcineurin inhibitor in cells expressing high levels of P-glycoprotein. <i>Life Sciences</i> , 1998 , 62, 2441-8	6.8	7
36	Protein dephosphorylation rates in myocytes after isoproterenol withdrawal. <i>Biochemical Pharmacology</i> , 2000 , 59, 1513-9	6	7
35	Apparent cooperativity of [3H]ouabain binding to myocytes obtained from guinea-pig heart. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1988 , 937, 247-57	3.8	7
34	4-Hydroxy-2-nonenal attenuates 8-oxoguanine DNA glycosylase 1 activity. <i>Journal of Cellular Biochemistry</i> , 2020 , 121, 4887	4.7	6
33	Dysfunctional neuroplasticity in newly arrived Middle Eastern refugees in the U.S.: Association with environmental exposures and mental health symptoms. <i>PLoS ONE</i> , 2020 , 15, e0230030	3.7	5
32	Exosomes in Epilepsy of Tuberous Sclerosis Complex: Carriers of Pro-Inflammatory MicroRNAs. <i>Non-coding RNA</i> , 2021 , 7,	7.1	5
31	The predictive performance of short-linear motif features in the prediction of calmodulin-binding proteins. <i>BMC Bioinformatics</i> , 2018 , 19, 410	3.6	5

30	Human Platelet Vesicles Exhibit Distinct Size and Proteome. <i>Journal of Proteome Research</i> , 2017 , 16, 2333-2338	5.6	4
29	Mercury alters endogenous phosphorylation profiles of SYK in murine B cells. <i>BMC Immunology</i> , 2017 , 18, 37	3.7	4
28	Influence of red blood cells, serum albumin, and serum lipoproteins on the clearance of benzo[alpha]pyrene by isolated livers of 3-methylcholanthrene-treated rats. <i>Biochemical Pharmacology</i> , 1984 , 33, 3433-8	6	4
27	Proteomic profile of embryonic stem cells with low survival motor neuron protein is consistent with developmental dysfunction. <i>Journal of Neural Transmission</i> , 2017 , 124, 13-23	4.3	3
26	Low level Hg exposure modulates the B-cell cytoskeletal phosphoproteome. <i>Journal of Proteomics</i> , 2018 , 173, 107-114	3.9	3
25	Molecular architecture of mouse and human pancreatic zymogen granules: protein components and their copy numbers. <i>Biophysics Reports</i> , 2018 , 4, 94-103	3.5	3
24	Protein Mobility Shifts Contribute to Gel Electrophoresis Liquid Chromatography Analysis. <i>Journal of Biomolecular Techniques</i> , 2015 , 26, 103-12	1.1	3
23	Electrostatic repulsion between molecules of like charge can be misinterpreted as binding. <i>FEBS Letters</i> , 1990 , 276, 71-4	3.8	3
22	Comparison of [3H]ouabain binding sites in intact cells and cell homogenates: apparent lack of glycoside receptors unrelated to sarcolemmal Na ⁺ , K ⁺ -ATPase in guinea-pig heart. <i>European Journal of Pharmacology</i> , 1988 , 146, 137-44	5.3	3
21	Enriching extracellular vesicles for mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2021 ,	11	3
20	The anti-MRSA compound 3-O-alpha-L-(2,3?-di-p-coumaroyl)rhamnoside (KCR) inhibits protein synthesis in Staphylococcus aureus. <i>Journal of Proteomics</i> , 2020 , 210, 103539	3.9	3
19	Effects of Glycyrrhizin on Multi-Drug Resistant. <i>Pathogens</i> , 2020 , 9,	4.5	3
18	Human Skeletal Muscle Cells on Engineered 3D Platform Express Key Growth and Developmental Proteins. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 970-976	5.5	2
17	13-Propylberberine reduces response of guinea-pig myocardium to inotropic interventions including changes in extracellular Ca ²⁺ . <i>Life Sciences</i> , 1986 , 39, 1411-6	6.8	2
16	Prediction of Calmodulin-Binding Proteins Using Short-Linear Motifs. <i>Lecture Notes in Computer Science</i> , 2017 , 107-117	0.9	2
15	Phosphoproteome and transcription factor activity profiling identify actions of the anti-inflammatory agent UTL-5g in LPS stimulated RAW 264.7 cells including disrupting actin remodeling and STAT-3 activation. <i>European Journal of Pharmacology</i> , 2017 , 811, 66-73	5.3	2
14	Classification-based quantitative analysis of stable isotope labeling by amino acids in cell culture (SILAC) data. <i>Computer Methods and Programs in Biomedicine</i> , 2016 , 137, 137-148	6.9	2
13	Environmentally-induced contributes to the severity of COVID-19 through fostering expression of SARS-CoV-2 receptor NRPs and glycan metabolism. <i>Theranostics</i> , 2021 , 11, 7970-7983	12.1	2

12	Novel protein and immune response markers of human serous tubal intraepithelial carcinoma of the ovary. <i>Cancer Biomarkers</i> , 2019 , 26, 471-479	3.8	1
11	Gossypol Disrupts Calcineurin Activation at Multiple Sites. <i>FASEB Journal</i> , 2006 , 20, A1123	0.9	1
10	2019 Association of Biomolecular Resource Facilities Multi-Laboratory Data-Independent Acquisition Study		1
9	Global Signaling Profiling in a Human Model of Tumorigenic Progression Indicates a Role for Alternative RNA Splicing in Cellular Reprogramming. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	1
8	Pattern Analysis of Organellar Maps for Interpretation of Proteomic Data. <i>Proteomes</i> , 2022 , 10, 18	4.6	1
7	IL-10: A possible immunobiological component of positive mental health in refugees. <i>Comprehensive Psychoneuroendocrinology</i> , 2021 , 8, 100097	1.1	0
6	Genotoxicology and risk assessment in the era of the human genome project. <i>Journal of Toxicology: Clinical Toxicology</i> , 1996 , 34, 521-3		
5	Analysis of Human Proteome Organization Plasma Proteome Project (HUPO PPP) reference specimens using surface enhanced laser desorption/ionization-time of flight (SELDI-TOF) mass spectrometry: Multi-institution correlation of spectra and identification of biomarkers273-287		
4	Dysfunctional neuroplasticity in newly arrived Middle Eastern refugees in the U.S.: Association with environmental exposures and mental health symptoms 2020 , 15, e0230030		
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