

# Paul M Stemmer

## List of Publications by Year in descending order

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86  
papers

2,101  
citations

257429

24  
h-index

254170

43  
g-index

88  
all docs

88  
docs citations

88  
times ranked

2931  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual Calcium Ion Regulation of Calcineurin by Calmodulin and Calcineurin B. <i>Biochemistry</i> , 1994, 33, 6859-6866.	2.5	285
2	Calmodulin Is a Limiting Factor in the Cell. <i>Trends in Cardiovascular Medicine</i> , 2002, 12, 32-37.	4.9	138
3	Tandem mass spectrometry strategies for phosphoproteome analysis. <i>Mass Spectrometry Reviews</i> , 2011, 30, 600-625.	5.4	121
4	Differential susceptibilities of serine/threonine phosphatases to oxidative and nitrosative stress. <i>Archives of Biochemistry and Biophysics</i> , 2002, 404, 271-278.	3.0	104
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 biomarkers. <i>Proteomics</i> , 2005, 5, 3467-3474.	2.2	95
6	Intestinal Epithelial Cells In Vitro. <i>Stem Cells and Development</i> , 2010, 19, 131-142.	2.1	73
7	Modulation of the phosphatase activity of calcineurin by oxidants and antioxidants in vitro. <i>FEBS Journal</i> , 2000, 267, 2312-2322.	0.2	72
8	Serine/threonine phosphatases in the nervous system. <i>Current Opinion in Neurobiology</i> , 1991, 1, 53-64.	4.2	68
9	Lead (Pb) exposure promotes diabetes in obese rodents. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017, 39, 221-226.	3.0	60
10	Diabetes and Exposure to Environmental Lead (Pb). <i>Toxics</i> , 2018, 6, 54.	3.7	54
11	Methionine Oxidation in the Calmodulin-Binding Domain of Calcineurin Disrupts Calmodulin Binding and Calcineurin Activation. <i>Biochemistry</i> , 2008, 47, 3085-3095.	2.5	53
12	Interactions of Calcineurin A, Calcineurin B, and Ca <sup>2+</sup> . <i>Biochemistry</i> , 1999, 38, 12481-12489.	2.5	45
13	Protein profiling underscores immunological functions of uterine cervical mucus plug in human pregnancy. <i>Journal of Proteomics</i> , 2011, 74, 817-828.	2.4	41
14	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.	6.3	40
15	Factors responsible for the Ca <sup>2+</sup> -dependent inactivation of calcineurin in brain. <i>FEBS Letters</i> , 1995, 374, 237-240.	2.8	37
16	Pyrethroid Insecticides as Phosphatase Inhibitors. <i>Biochemical Pharmacology</i> , 1998, 55, 2017-2022.	4.4	33
17	Cortical Tubers: Windows into Dysregulation of Epilepsy Risk and Synaptic Signaling Genes by MicroRNAs. <i>Cerebral Cortex</i> , 2016, 26, 1059-1071.	2.9	32
18	Filamin A phosphorylation by Akt promotes cell migration in response to arsenic. <i>Oncotarget</i> , 2015, 6, 12009-12019.	1.8	32

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19	Ca <sup>2+</sup> Binding and Energy Coupling in the Calmodulin-Myosin Light Chain Kinase Complex. <i>Journal of Biological Chemistry</i> , 2000, 275, 4199-4204.	3.4	31
20	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, 486.	3.4	30
21	Localization of Unique Functional Determinants in the Calmodulin Lobes to Individual EF Hands. <i>Journal of Biological Chemistry</i> , 1996, 271, 32217-32225.	3.4	29
22	Ca <sup>2+</sup> Binding Site 2 in Calcineurin-B Modulates Calmodulin-Dependent Calcineurin Phosphatase Activity. <i>Biochemistry</i> , 2001, 40, 8808-8814.	2.5	28
23	A novel cross-talk between CXCR4 and PI4KIII $\beta$ in prostate cancer cells. <i>Oncogene</i> , 2019, 38, 332-344.	5.9	28
24	Aging and digitalis sensitivity of cardiac muscle in rats. <i>European Journal of Pharmacology</i> , 1985, 113, 167-178.	3.5	27
25	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.	2.1	26
26	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, 2031-2040.	2.8	26
27	Exosome-enriched fractions from MS B cells induce oligodendrocyte death. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2019, 6, e550.	6.0	26
28	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, 577-593.	2.8	24
29	Gossypol inhibits calcineurin phosphatase activity at multiple sites. <i>European Journal of Pharmacology</i> , 2007, 555, 106-114.	3.5	23
30	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, 283-293.	2.5	23
31	Sodium-pump activity and its inhibition by extracellular calcium in cardiac myocytes of guinea pigs. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1988, 940, 188-196.	2.6	22
32	Rapid high mass resolution mass spectrometry using matrix-assisted ionization. <i>Methods</i> , 2016, 104, 63-68.	3.8	21
33	New discoveries of mdg in the epigenetic regulation of cancers. <i>Seminars in Cancer Biology</i> , 2019, 57, 27-35.	9.6	21
34	Identification of an Intrinsic Determinant Critical for Maspin Subcellular Localization and Function. <i>PLoS ONE</i> , 2013, 8, e74502.	2.5	20
35	Proteomic profiling of lipid rafts in a human breast cancer model of tumorigenic progression. <i>Clinical and Experimental Metastasis</i> , 2011, 28, 529-540.	3.3	16
36	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.	2.8	16

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37	Enriching extracellular vesicles for mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2023, 42, 779-795.	5.4	16
38	The proteomic investigation reveals interaction of mdig protein with the machinery of DNA double-strand break repair. <i>Oncotarget</i> , 2015, 6, 28269-28281.	1.8	15
39	Proteomics analysis of rough endoplasmic reticulum in pancreatic beta cells. <i>Proteomics</i> , 2015, 15, 1508-1511.	2.2	13
40	Single Amino Acid Variant Discovery in Small Numbers of Cells. <i>Journal of Proteome Research</i> , 2019, 18, 417-425.	3.7	13
41	Isolation and enrichment of Ca <sup>2+</sup> -tolerant myocytes for biochemical experiments from guinea-pig heart. <i>Life Sciences</i> , 1989, 44, 1231-1237.	4.3	12
42	Alcohols increase calmodulin affinity for Ca <sup>2+</sup> and decrease target affinity for calmodulin. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2004, 1691, 161-167.	4.1	12
43	Exosomes in Epilepsy of Tuberous Sclerosis Complex: Carriers of Pro-Inflammatory MicroRNAs. <i>Non-coding RNA</i> , 2021, 7, 40.	2.6	12
44	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.	3.7	11
45	Effects of Ca <sup>2+</sup> on the sodium pump observed in cardiac myocytes isolated from guinea pigs. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1989, 982, 279-287.	2.6	10
46	Cyclosporin a has low potency as a calcineurin inhibitor in cells expressing high levels of P-glycoprotein. <i>Life Sciences</i> , 1998, 62, 2441-2448.	4.3	10
47	Oxidation-Induced Conformational Changes in Calcineurin Determined by Covalent Labeling and Tandem Mass Spectrometry. <i>Biochemistry</i> , 2014, 53, 6754-6765.	2.5	10
48	4-Hydroxy-2-nonenal attenuates oxoguanine DNA glycosylase 1 activity. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 4887-4897.	2.6	10
49	Mercury Alters B-Cell Protein Phosphorylation Profiles. <i>Journal of Proteome Research</i> , 2014, 13, 496-505.	3.7	9
50	Pattern Analysis of Organellar Maps for Interpretation of Proteomic Data. <i>Proteomes</i> , 2022, 10, 18.	3.5	9
51	Reduced tolerance to digitalis-induced arrhythmias caused by coronary-flow alterations in isolated perfused heart of guinea pigs. <i>Life Sciences</i> , 1984, 34, 105-112.	4.3	8
52	The predictive performance of short-linear motif features in the prediction of calmodulin-binding proteins. <i>BMC Bioinformatics</i> , 2018, 19, 410.	2.6	8
53	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.	2.5	8
54	Environmentally-induced mdig 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.	10.0	8

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55	Apparent cooperativity of [3H]ouabain binding to myocytes obtained from guinea-pig heart. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1988, 937, 247-257.	2.6	7
56	Protein dephosphorylation rates in myocytes after isoproterenol withdrawal. <i>Biochemical Pharmacology</i> , 2000, 59, 1513-1519.	4.4	7
57	Effects of Glycyrrhizin on Multi-Drug Resistant <i>Pseudomonas aeruginosa</i> . <i>Pathogens</i> , 2020, 9, 766.	2.8	7
58	Mercury alters endogenous phosphorylation profiles of SYK in murine B cells. <i>BMC Immunology</i> , 2017, 18, 37.	2.2	6
59	The anti-MRSA compound 3-O-alpha-L-(2,3-di-p-coumaroyl)rhamnoside (KCR) inhibits protein synthesis in <i>Staphylococcus aureus</i> . <i>Journal of Proteomics</i> , 2020, 210, 103539.	2.4	5
60	Influence of red blood cells, serum albumin, and serum lipoproteins on the clearance of benzo[a]pyrene by isolated livers of 3-methylcholanthrene-treated rats. <i>Biochemical Pharmacology</i> , 1984, 33, 3433-3438.	4.4	4
61	Comparison of [3H]ouabain binding sites in intact cells and cell homogenates: apparent lack of glycoside receptors unrelated to sarcolemmal Na <sup>+</sup> ,K <sup>+</sup> -ATPase in guinea-pig heart. <i>European Journal of Pharmacology</i> , 1988, 146, 137-144.	3.5	4
62	Electrostatic repulsion between molecules of like charge can be misinterpreted as binding. <i>FEBS Letters</i> , 1990, 276, 71-74.	2.8	4
63	Protein Mobility Shifts Contribute to Gel Electrophoresis Liquid Chromatography Analysis. <i>Journal of Biomolecular Techniques</i> , 2015, 26, 103-112.	1.5	4
64	Human Platelet Vesicles Exhibit Distinct Size and Proteome. <i>Journal of Proteome Research</i> , 2017, 16, 2333-2338.	3.7	4
65	Low level Hg <sup>2+</sup> exposure modulates the B-cell cytoskeletal phosphoproteome. <i>Journal of Proteomics</i> , 2018, 173, 107-114.	2.4	4
66	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.	4.7	3
67	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.	2.8	3
68	Molecular architecture of mouse and human pancreatic zymogen granules: protein components and their copy numbers. <i>Biophysics Reports</i> , 2018, 4, 94-103.	0.8	3
69	Novel protein and immune response markers of human serous tubal intraepithelial carcinoma of the ovary. <i>Cancer Biomarkers</i> , 2019, 26, 471-479.	1.7	3
70	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.	5.2	3
71	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.	3.5	3
72	13-propylberberine reduces response of guinea-pig myocardium to inotropic interventions including changes in extracellular Ca <sup>2+</sup> . <i>Life Sciences</i> , 1986, 39, 1411-1416.	4.3	2

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73	Prediction of Calmodulin-Binding Proteins Using Short-Linear Motifs. Lecture Notes in Computer Science, 2017, , 107-117.	1.3	2
74	IL-10: A possible immunobiological component of positive mental health in refugees. Comprehensive Psychoneuroendocrinology, 2021, 8, 100097.	1.7	2
75	Global Signaling Profiling in a Human Model of Tumorigenic Progression Indicates a Role for Alternative RNA Splicing in Cellular Reprogramming. International Journal of Molecular Sciences, 2018, 19, 2847.	4.1	1
76	Proteolyzed Variant of IgG with Free C-Terminal Lysine as a Biomarker of Prostate Cancer. Biology, 2021, 10, 817.	2.8	1
77	Gossypol Disrupts Calcineurin Activation at Multiple Sites. FASEB Journal, 2006, 20, A1123.	0.5	1
78	Proteomics-Based Identification of Interaction Partners of the Xenobiotic Detoxification Enzyme FMO3 Reveals Involvement in Urea Cycle. Toxics, 2022, 10, 60.	3.7	1
79	Genotoxicology and Risk Assessment in the Era of the Human Genome Project. Journal of Toxicology: Clinical Toxicology, 1996, 34, 521-523.	1.5	0
80	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. , 0, , 273-287.		0
81	C-reactive Protein Levels in Plasma and Chronic Venous Ulcer Exudate of Persons Who Inject Drugs: A Pilot Study. Wounds, 2021, , .	0.5	0
82	Title is missing!. , 2020, 15, e0230030.		0
83	Title is missing!. , 2020, 15, e0230030.		0
84	Title is missing!. , 2020, 15, e0230030.		0
85	Title is missing!. , 2020, 15, e0230030.		0
86	Secreted Proteins, Lipids and Lowâ€Molecularâ€Weight Metabolites as Early Biomarkers of Human Proximal Tubular Cell Exposure to Nephrotoxic Agents. FASEB Journal, 2022, 36, .	0.5	0