

# Steven Pelech

## List of Publications by Year in descending order

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72  
papers

4,015  
citations

117625

34  
h-index

128289

60  
g-index

75  
all docs

75  
docs citations

75  
times ranked

3964  
citing authors

#	ARTICLE	IF	CITATIONS
1	Maternal COVID-19 Vaccination and Its Potential Impact on Fetal and Neonatal Development. <i>Vaccines</i> , 2021, 9, 1351.	4.4	7
2	Experiments from unfinished Registered Reports in the Reproducibility Project: Cancer Biology. <i>ELife</i> , 2021, 10, .	6.0	16
3	Investigation of spectroscopic and proteomic alterations underlying prostate carcinogenesis. <i>Journal of Proteomics</i> , 2020, 226, 103888.	2.4	7
4	Differential dephosphorylation of CTP:phosphocholine cytidyltransferase upon translocation to nuclear membranes and lipid droplets. <i>Molecular Biology of the Cell</i> , 2020, 31, 1047-1059.	2.1	10
5	Tracking Protein Expression, Post-translational Modifications and Interactions with High Content Antibody Microarrays. <i>FASEB Journal</i> , 2018, 32, 802.6.	0.5	0
6	Evolutionary Ancestry of Eukaryotic Protein Kinases and Choline Kinases. <i>Journal of Biological Chemistry</i> , 2016, 291, 5199-5205.	3.4	11
7	Regulatory roles of conserved phosphorylation sites in the activation T-loop of the MAP kinase ERK1. <i>Molecular Biology of the Cell</i> , 2016, 27, 1040-1050.	2.1	31
8	Determination of the Substrate Specificity of Protein Kinases with Peptide Micro- and Macroarrays. <i>Methods in Molecular Biology</i> , 2016, 1360, 183-202.	0.9	3
9	Monitoring Protein Kinase Expression and Phosphorylation in Cell Lysates with Antibody Microarrays. <i>Methods in Molecular Biology</i> , 2016, 1360, 107-122.	0.9	8
10	Registered report: RAF inhibitors prime wild-type RAF to activate the MAPK pathway and enhance growth. <i>ELife</i> , 2016, 5, .	6.0	6
11	Profiling signaling proteins in human spermatozoa: biomarker identification for sperm quality evaluation. <i>Fertility and Sterility</i> , 2015, 104, 845-856.e8.	1.0	36
12	Post-ovulatory aging of oocytes disrupts kinase signaling pathways and lysosome biogenesis. <i>Molecular Reproduction and Development</i> , 2014, 81, 928-945.	2.0	25
13	Meta-analysis of human cancers with onconet- An open-access, on-line knowledge base for human cancer gene mutation and expression. <i>Journal of Proteomics and Bioinformatics</i> , 2014, S1, .	0.4	0
14	Abstract 3460: Regulatory roles of conserved phosphorylation sites in the activation loop of the MAP kinase. , 2014, , .		0
15	Using protein microarrays to study phosphorylation-mediated signal transduction. <i>Seminars in Cell and Developmental Biology</i> , 2012, 23, 872-882.	5.0	33
16	Peptide Arrays. , 2012, , 81-112.		0
17	Proteomic Analyses of Lung Lysates from Short-Term Exposure of Fischer 344 Rats to Cigarette Smoke. <i>Journal of Proteome Research</i> , 2011, 10, 3720-3731.	3.7	10
18	Evolutionary Conservation of Human Phosphorylation Sites. , 2011, , .		0

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19	Prediction of 492 human protein kinase substrate specificities. <i>Proteome Science</i> , 2011, 9, S6.	1.7	62
20	Protein phosphatase 1 complexes modulate sperm motility and present novel targets for male infertility. <i>Molecular Human Reproduction</i> , 2011, 17, 466-477.	2.8	60
21	Phosphoproteomic Analysis of <i>Salmonella</i> -Infected Cells Identifies Key Kinase Regulators and SopB-Dependent Host Phosphorylation Events. <i>Science Signaling</i> , 2011, 4, rs9.	3.6	52
22	Prediction of human protein kinase substrate specificities. , 2010, , .		2
23	Protein signaling pathways in differentiation of neural stem cells. <i>Proteomics</i> , 2008, 8, 4547-4559.	2.2	20
24	Pertussis toxin induces angiogenesis in brain microvascular endothelial cells. <i>Journal of Neuroscience Research</i> , 2008, 86, 2624-2640.	2.9	34
25	Î±-Synuclein activates stress signaling protein kinases in THP-1 cells and microglia. <i>Neurobiology of Aging</i> , 2008, 29, 739-752.	3.1	202
26	Antibody Microarray Analyses of Signal Transduction Protein Expression and Phosphorylation during Porcine Oocyte Maturation. <i>Journal of Proteome Research</i> , 2008, 7, 2860-2871.	3.7	31
27	Biomarker identification for diagnosis of Alzheimer's disease. <i>Expert Opinion on Medical Diagnostics</i> , 2008, 2, 577-591.	1.6	7
28	Antibody-Based Proteomics Analysis of Tumor Cell Signaling Pathways. , 2008, , 117-134.		1
29	Cholesteryl Glucoside Stimulates Activation of Protein Kinase B/Akt in the Motor Neuron-Derived NSC34 Cell Line. <i>Neurobiology of Lipids</i> , 2008, 7, 620081.	1.0	7
30	Histological and proteomic analysis of reversible H-Ras V12G expression in transgenic mouse skin. <i>Carcinogenesis</i> , 2007, 28, 2244-2252.	2.8	5
31	Â² treatment and P301L tau expression in an Alzheimer's disease tissue culture model act synergistically to promote aberrant cell cycle re-entry. <i>European Journal of Neuroscience</i> , 2007, 26, 60-72.	2.6	31
32	Phosphorylation of STAT3 Serine-727 by Cyclin-Dependent Kinase 1 Is Critical for Nocodazole-Induced Mitotic Arrest. <i>Biochemistry</i> , 2006, 45, 5857-5867.	2.5	44
33	Alpha-synuclein and its disease-causing mutants induce ICAM-1 and IL-6 in human astrocytes and astrocytoma cells. <i>FASEB Journal</i> , 2006, 20, 2000-2008.	0.5	126
34	Dimerization in protein kinase signaling. , 2006, 5, 12.		18
35	Positive Regulation of Raf1-MEK1/2-ERK1/2 Signaling by Protein Serine/Threonine Phosphatase 2A Holoenzymes*. <i>Journal of Biological Chemistry</i> , 2005, 280, 42644-42654.	3.4	119
36	Tumor Cell Pseudopodial Protrusions. <i>Journal of Biological Chemistry</i> , 2005, 280, 30564-30573.	3.4	67

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37	Tracking Cell Signaling Protein Expression and Phosphorylation by Innovative Proteomic Solutions. <i>Current Pharmaceutical Biotechnology</i> , 2004, 5, 69-77.	1.6	37
38	B23/Nucleophosmin Serine 4 Phosphorylation Mediates Mitotic Functions of Polo-like Kinase 1. <i>Journal of Biological Chemistry</i> , 2004, 279, 35726-35734.	3.4	71
39	Long-Term Effect of Heat Shock Protein 60 from <i>Actinobacillus actinomycetemcomitans</i> on Epithelial Cell Viability and Mitogen-Activated Protein Kinases. <i>Infection and Immunity</i> , 2004, 72, 38-45.	2.2	21
40	Bacterial GroEL-like heat shock protein 60 protects epithelial cells from stress-induced death through activation of ERK and inhibition of caspase 3. <i>Experimental Cell Research</i> , 2004, 292, 231-240.	2.6	31
41	Progressive changes in Met-dependent signaling in a human ovarian surface epithelial model of malignant transformation. <i>Experimental Cell Research</i> , 2004, 299, 248-256.	2.6	44
42	Kinetworks <sup>TM</sup> Protein Kinase Multiblot Analysis. , 2003, 218, 99-112.		28
43	Protein kinase and protein phosphatase expression in the central nervous system of G93A mSOD overexpressing mice. <i>Journal of Neurochemistry</i> , 2003, 85, 422-431.	3.9	60
44	Cytokines and Signal Transduction Pathways Mediated by Anthralin in Alopecia Areata-Affected Dundee Experimental Balding Rats. <i>Journal of Investigative Dermatology Symposium Proceedings</i> , 2003, 8, 87-90.	0.8	13
45	Aberrant protein kinases and phosphoproteins in amyotrophic lateral sclerosis. <i>Trends in Pharmacological Sciences</i> , 2003, 24, 535-541.	8.7	20
46	Glycogen synthase kinase-3 regulates formation of long lamellipodia in human keratinocytes. <i>Journal of Cell Science</i> , 2003, 116, 3749-3760.	2.0	52
47	Nocodazole-induced p53-dependent c-Jun N-terminal Kinase Activation Reduces Apoptosis in Human Colon Carcinoma HCT116 Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 43648-43658.	3.4	52
48	Plasticity of the Kinomes in Monkey and Rat Tissues. <i>Science Signaling</i> , 2002, 2002, pe50-pe50.	3.6	8
49	Dysregulation of phosphatidylinositol 3-kinase and downstream effectors in human breast cancer. <i>International Journal of Cancer</i> , 2002, 98, 148-154.	5.1	77
50	Profiling of Protein Kinases in the Neoplastic Transformation of Human Ovarian Surface Epithelium. <i>Gynecologic Oncology</i> , 2001, 82, 305-311.	1.4	59
51	Protein kinase CK2 is involved in G2 arrest and apoptosis following spindle damage in epithelial cells. <i>Oncogene</i> , 2001, 20, 6994-7005.	5.9	59
52	Stress-induced Inhibition of ERK1 and ERK2 by Direct Interaction with p38 MAP Kinase. <i>Journal of Biological Chemistry</i> , 2001, 276, 6905-6908.	3.4	153
53	Cyclic GMP-dependent and -independent regulation of MAP kinases by sodium nitroprusside in isolated cardiomyocytes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2000, 1496, 277-284.	4.1	37
54	Angiotensin II Stimulates p21-Activated Kinase in Vascular Smooth Muscle Cells. <i>Circulation Research</i> , 1998, 82, 1272-1278.	4.5	86

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55	Role of Extracellular Signal-Regulated Protein Kinases 1 and 2 in Oligodendroglial Process Extension. <i>Journal of Neurochemistry</i> , 1997, 68, 945-953.	3.9	62
56	Amyotrophic lateral sclerosis: the involvement of intracellular Ca <sup>2+</sup> and protein kinase C. <i>Trends in Pharmacological Sciences</i> , 1996, 17, 114-120.	8.7	69
57	Phosphorylation and activation of smooth muscle myosin light chain kinase by MAP kinase and cyclin-dependent kinase-1. <i>Biochemistry and Cell Biology</i> , 1996, 74, 549-557.	2.0	64
58	Degenerative and protective signaling mechanisms in the neurofibrillary pathology of Alzheimer's disease. <i>Neurobiology of Aging</i> , 1995, 16, 458.	3.1	0
59	Networking with proline-directed protein kinases implicated in Tau phosphorylation. <i>Neurobiology of Aging</i> , 1995, 16, 247-256.	3.1	62
60	Networking with protein kinases. <i>Current Biology</i> , 1993, 3, 513-515.	3.9	61
61	MAP kinases: charting the regulatory pathways. <i>Science</i> , 1992, 257, 1355-1356.	12.6	381
62	Mitogen-activated protein kinases: versatile transducers for cell signaling. <i>Trends in Biochemical Sciences</i> , 1992, 17, 233-238.	7.5	437
63	Protein kinase cascades in meiotic and mitotic cell cycle control. <i>Biochemistry and Cell Biology</i> , 1990, 68, 1297-1330.	2.0	128
64	WHEN CELLS DIVIDE. <i>The Sciences</i> , 1990, 30, 22-28.	0.1	0
65	CELLULAR SECURITY. <i>The Sciences</i> , 1989, 29, 39-46.	0.1	1
66	Characterization of Developmentally Regulated cAMP/Ca <sup>2+</sup> -Independent Protein Kinases from <i>Dictyostelium discoideum</i> . (protein phosphorylation/protein kinases/ <i>Dictyostelium discoideum</i> ). <i>Development Growth and Differentiation</i> , 1989, 31, 351-361.	1.5	0
67	Signal transduction via phosphatidylcholine cycles. <i>Trends in Biochemical Sciences</i> , 1989, 14, 28-30.	7.5	300
68	The protein phosphatases involved in cellular regulation. Evidence that dephosphorylation of glycogen phosphorylase and glycogen synthase in the glycogen and microsomal fractions of rat liver are catalysed by the same enzyme: protein phosphatase-1. <i>FEBS Journal</i> , 1986, 156, 101-110.	0.2	76
69	The protein phosphatases involved in cellular regulation. 1. Modulation of protein phosphatases-1 and 2 A by histone H 1, protamine, polylysine and heparin. <i>FEBS Journal</i> , 1985, 148, 245-251.	0.2	91
70	The protein phosphatases involved in cellular regulation. Influence of polyamines on the activities of protein phosphatase-1 and protein phosphatase-2A. <i>FEBS Journal</i> , 1985, 149, 305-314.	0.2	68
71	The protein phosphatases involved in cellular regulation. Glycolysis, gluconeogenesis and aromatic amino acid breakdown in rat liver. <i>FEBS Journal</i> , 1984, 145, 39-49.	0.2	52
72	Enzyme translocation in the regulation of phosphatidylcholine biosynthesis. <i>Trends in Biochemical Sciences</i> , 1984, 9, 17-20.	7.5	159