Tony Hunter

List of Publications by Year
in descending order

326	87,776	293 139	309 290
papers	citations	h-index	g-index

345	345	345	63795
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Oncogenic kinase signalling. Nature, 2001, 411, 355-365.	13.7	3,401
2	Protein kinases and phosphatases: The Yin and Yang of protein phosphorylation and signaling. Cell, 1995, 80, 225-236.	13.5	2,868
3	Signalingâ€"2000 and Beyond. Cell, 2000, 100, 113-127.	13.5	2,501
4	Transforming gene product of Rous sarcoma virus phosphorylates tyrosine. Proceedings of the National Academy of Sciences of the United States of America, 1980, 77, 1311-1315.	3.3	2,468
5	The eukaryotic protein kinase superfamily: kinase (catalytic) domain structure and classification ¹. FASEB Journal, 1995, 9, 576-596.	0.2	2,426
6	Cyclins and cancer II: Cyclin D and CDK inhibitors come of age. Cell, 1994, 79, 573-582.	13.5	2,113
7	A framework for advancing our understanding of cancer-associated fibroblasts. Nature Reviews Cancer, 2020, 20, 174-186.	12.8	2,012
8	p27, a novel inhibitor of G1 cyclin-Cdk protein kinase activity, is related to p21. Cell, 1994, 78, 67-74.	13.5	1,976
9	Protein Tyrosine Phosphatases in the Human Genome. Cell, 2004, 117, 699-711.	13.5	1,697
10	Integrin-mediated signal transduction linked to Ras pathway by GRB2 binding to focal adhesion kinase. Nature, 1994, 372, 786-791.	13.7	1,528
11	[11] Phosphopeptide mapping and phosphoamino acid analysis by two-dimensional separation on thin-layer cellulose plates. Methods in Enzymology, 1991, 201, 110-149.	0.4	1,485
12	The regulation of transcription by phosphorylation. Cell, 1992, 70, 375-387.	13.5	1,402
13	The c-fos protein interacts with c-JunAP-1 to stimulate transcription of AP-1 responsive genes. Cell, 1988, 54, 541-552.	13.5	1,369
14	[42] Detection and quantification of phosphotyrosine in proteins. Methods in Enzymology, 1983, 99, 387-402.	0.4	1,197
15	Receptor Protein-Tyrosine Kinases and Their Signal Transduction Pathways. Annual Review of Cell Biology, 1994, 10, 251-337.	26.0	1,194
16	A thousand and one protein kinases. Cell, 1987, 50, 823-829.	13.5	1,099
17	Activation of protein kinase C decreases phosphorylation of c-Jun at sites that negatively regulate its DNA-binding activity. Cell, 1991, 64, 573-584.	13.5	1,095
18	Phospholipase C-Î³ is a substrate for the PDGF and EGF receptor protein-tyrosine kinases in vivo and in vitro. Cell, 1989, 57, 1109-1122.	13.5	1,017

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19	Platelet-derived growth factor induces rapid but transient expression of the c-fos gene and protein. Nature, 1984, 312, 711-716.	13.7	990
20	Oncogene jun encodes a sequence-specific trans- activator similar to AP-1. Nature, 1988, 332, 166-171.	13.7	982
21	The Tyrosine Kinase Negative Regulator c-Cbl as a RING-Type, E2-Dependent Ubiquitin-Protein Ligase. Science, 1999, 286, 309-312.	6.0	963
22	Isolation of a human cyclin cDNA: Evidence for cyclin mRNA and protein regulation in the cell cycle and for interaction with p34cdc2. Cell, 1989, 58, 833-846.	13.5	946
23	Vitamin D Receptor-Mediated Stromal Reprogramming Suppresses Pancreatitis and Enhances Pancreatic Cancer Therapy. Cell, 2014, 159, 80-93.	13.5	871
24	A human peptidylâ€“prolyl isomerase essential for regulation of mitosis. Nature, 1996, 380, 544-547.	13.7	868
25	Evolution of protein kinase signaling from yeast to man. Trends in Biochemical Sciences, 2002, 27, 514-520.	3.7	856
26	The neurotrophic factors brain-derived neurotrophic factor and neurotrophin-3 are ligands for the trkB tyrosine kinase receptor. Cell, 1991, 65, 895-903.	13.5	800
27	The Age of Crosstalk: Phosphorylation, Ubiquitination, and Beyond. Molecular Cell, 2007, 28, 730-738.	4.5	792
28	Cooperation between oncogenes. Cell, 1991, 64, 249-270.	13.5	769
29	Human cyclin A is adenovirus E1A-associated protein p60 and behaves differently from cyclin B. Nature, 1990, 346, 760-763.	13.7	758
30	Phosphorylation of Î²-Catenin by AKT Promotes Î²-Catenin Transcriptional Activity. Journal of Biological Chemistry, 2007, 282, 11221-11229.	1.6	740
31	Inappropriate Activation of the TSC/Rheb/mTOR/S6K Cassette Induces IRS1/2 Depletion, Insulin Resistance, and Cell Survival Deficiencies. Current Biology, 2004, 14, 1650-1656.	1.8	739
32	Transcriptional control by protein phosphorylation: signal transmission from the cell surface to the nucleus. Current Biology, 1995, 5, 747-757.	1.8	720
33	Epidermal growth factor induces rapid tyrosine phosphorylation of proteins in A431 human tumor cells. Cell, 1981, 24, 741-752.	13.5	689
34	Protein kinase C phosphorylation of the EGF receptor at a threonine residue close to the cytoplasmic face of the plasma membrane. Nature, 1984, 311, 480-483.	13.7	663
35	Structural and Functional Analysis of the Mitotic Rotamase Pin1 Suggests Substrate Recognition Is Phosphorylation Dependent. Cell, 1997, 89, 875-886.	13.5	663
36	Structure-based prediction of proteinâ€“protein interactions on a genome-wide scale. Nature, 2012, 490, 556-560.	13.7	652

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37	Structural basis for phosphoserine-proline recognition by group IV WW domains. Nature Structural Biology, 2000, 7, 639-643.	9.7	644
38	PKM2 Phosphorylates Histone H3 and Promotes Gene Transcription and Tumorigenesis. Cell, 2012, 150, 685-696.	13.5	635
39	Oncoprotein Networks. Cell, 1997, 88, 333-346.	13.5	627
40	Evidence that the phosphorylation of tyrosine is essential for cellular transformation by Rous sarcoma virus. Cell, 1980, 20, 807-816.	13.5	617
41	Downregulation of caveolin-1 function by EGF leads to the loss of E-cadherin, increased transcriptional activity of Î²-catenin, and enhanced tumor cell invasion. Cancer Cell, 2003, 4, 499-515.	7.7	617
42	Tyrosine phosphorylation: thirty years and counting. Current Opinion in Cell Biology, 2009, 21, 140-146.	2.6	576
43	An activity phosphorylating tyrosine in polyoma T antigen immunoprecipitates. Cell, 1979, 18, 925-933.	13.5	556
44	Substrate specificity of protein kinase C. Use of synthetic peptides corresponding to physiological sites as probes for substrate recognition requirements. FEBS Journal, 1986, 161, 177-184.	0.2	489
45	Integrin signalling and tyrosine phosphorylation: just the FAKs?. Trends in Cell Biology, 1998, 8, 151-157.	3.6	485
46	Reconstruction of cellular signalling networks and analysis of their properties. Nature Reviews Molecular Cell Biology, 2005, 6, 99-111.	16.1	472
47	Metabolic reprogramming during neuronal differentiation from aerobic glycolysis to neuronal oxidative phosphorylation. ELife, 2016, 5, .	2.8	451
48	Cyclins and cancer. Cell, 1991, 66, 1071-1074.	13.5	448
49	Brassinosteroid-Insensitive-1 Is a Ubiquitously Expressed Leucine-Rich Repeat Receptor Serine/Threonine Kinase. Plant Physiology, 2000, 123, 1247-1256.	2.3	440
50	The protein kinases of budding yeast: six score and more. Trends in Biochemical Sciences, 1997, 22, 18-22.	3.7	419
51	Role of the prolyl isomerase Pin1 in protecting against age-dependent neurodegeneration. Nature, 2003, 424, 556-561.	13.7	412
52	Cell cycle regulation of the E2F transcription factor involves an interaction with cyclin A. Cell, 1991, 65, 1243-1253.	13.5	407
53	Casein kinase II is a negative regulator of c-Jun DNA binding and AP-1 activity. Cell, 1992, 70, 777-789.	13.5	406
54	M-phase kinases induce phospho-dependent ubiquitination of somatic Wee1 by SCFÂ-TrCP. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4419-4424.	3.3	402

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55	Braking the cycle. Cell, 1993, 75, 839-841.	13.5	400
56	PRC1 is a microtubule binding and bundling protein essential to maintain the mitotic spindle midzone. Journal of Cell Biology, 2002, 157, 1175-1186.	2.3	396
57	A cyclin A-protein kinase complex possesses sequence-specific DNA binding activity: p33cdk2 is a component of the E2F-cyclin A complex. Cell, 1992, 68, 167-176.	13.5	395
58	Increased production of the TrkB protein tyrosine kinase receptor after brain insults. Neuron, 1993, 10, 151-164.	3.8	394
59	A growing coactivator network. Nature, 1996, 383, 22-23.	13.7	386
60	Similar effects of platelet-derived growth factor and epidermal growth factor on the phosphorylation of tyrosine in cellular proteins. Cell, 1982, 31, 263-273.	13.5	385
61	Kinomics: methods for deciphering the kinome. Nature Methods, 2005, 2, 17-25.	9.0	385
62	TORC-Specific Phosphorylation of Mammalian Target of Rapamycin (mTOR): Phospho-Ser2481 Is a Marker for Intact mTOR Signaling Complex 2. Cancer Research, 2009, 69, 1821-1827.	0.4	384
63	Cyclin-dependent kinases: a family portrait. Nature Cell Biology, 2009, 11, 1275-1276.	4.6	381
64	Fluid Shear Stress Activation of Focal Adhesion Kinase. Journal of Biological Chemistry, 1997, 272, 30455-30462.	1.6	379
65	ATM Activation and Its Recruitment to Damaged DNA Require Binding to the C Terminus of Nbs1. Molecular and Cellular Biology, 2005, 25, 5363-5379.	1.1	373
66	Multiple Grb2-Mediated Integrin-Stimulated Signaling Pathways to ERK2/Mitogen-Activated Protein Kinase: Summation of Both c-Src- and Focal Adhesion Kinase-Initiated Tyrosine Phosphorylation Events. Molecular and Cellular Biology, 1998, 18, 2571-2585.	1.1	369
67	THE CROONIAN LECTURE 1997. The phosphorylation of proteins on tyrosine: its role in cell growth and disease. Philosophical Transactions of the Royal Society B: Biological Sciences, 1998, 353, 583-605.	1.8	360
68	Focal Adhesion Kinase Overexpression Enhances Ras-dependent Integrin Signaling to ERK2/Mitogen-activated Protein Kinase through Interactions with and Activation of c-Src. Journal of Biological Chemistry, 1997, 272, 13189-13195.	1.6	353
69	Transactivation by NF-IL6/LAP is enhanced by phosphorylation of its activation domain. Nature, 1993, 364, 544-547.	13.7	343
70	Roles of Chk1 in cell biology and cancer therapy. International Journal of Cancer, 2014, 134, 1013-1023.	2.3	341
71	PRC1. Molecular Cell, 1998, 2, 877-885.	4.5	339
72	NeW Wrinkles for an Old Domain. Cell, 2000, 103, 1001-1004.	13.5	337

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73	Why nature chose phosphate to modify proteins. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 2513-2516.	1.8	322
74	The Kit receptor promotes cell survival via activation of PI 3-kinase and subsequent Akt-mediated phosphorylation of Bad on Ser136. Current Biology, 1998, 8, 779-785.	1.8	321
75	Protein-tyrosine phosphatases: The other side of the coin. Cell, 1989, 58, 1013-1016.	13.5	320
76	Mitochondria-Translocated PGK1 Functions as a Protein Kinase to Coordinate Glycolysis and the TCA Cycle in Tumorigenesis. Molecular Cell, 2016, 61, 705-719.	4.5	319
77	Dysregulation of T lymphocyte function in itchy mice: a role for Itch in TH2 differentiation. Nature Immunology, 2002, 3, 281-287.	7.0	318
78	Structural basis for inhibition of receptor protein-tyrosine phosphatase-Î± by dimerization. Nature, 1996, 382, 555-559.	13.7	317
79	Loss of Pin1 function in the mouse causes phenotypes resembling cyclin D1-null phenotypes. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1335-1340.	3.3	317
80	The cDNA sequence for the protein-tyrosine kinase substrate p36 (calpactin I heavy chain) reveals a multidomain protein with internal repeats. Cell, 1986, 46, 201-212.	13.5	315
81	Lasting N-Terminal Phosphorylation of c-Jun and Activation of c-Jun N-Terminal Kinases after Neuronal Injury. Journal of Neuroscience, 1998, 18, 5124-5135.	1.7	312
82	Epidermal Growth Factor-Induced Tumor Cell Invasion and Metastasis Initiated by Dephosphorylation and Downregulation of Focal Adhesion Kinase. Molecular and Cellular Biology, 2001, 21, 4016-4031.	1.1	309
83	A tail of two src's: Mutatis mutandis. Cell, 1987, 49, 1-4.	13.5	302
84	Recognition and Ubiquitination of Notch by Itch, a Hect-type E3 Ubiquitin Ligase. Journal of Biological Chemistry, 2000, 275, 35734-35737.	1.6	302
85	When is a lipid kinase not a lipid kinase? When it is a protein kinase. Cell, 1995, 83, 1-4.	13.5	299
86	Kit/stem cell factor receptor-induced activation of phosphatidylinositol 3â€²-kinase is essential for male fertility. Nature Genetics, 2000, 24, 157-162.	9.4	297
87	The PHD Domain of MEKK1 Acts as an E3 Ubiquitin Ligase and Mediates Ubiquitination and Degradation of ERK1/2. Molecular Cell, 2002, 9, 945-956.	4.5	294
88	[1] Protein kinase classification. Methods in Enzymology, 1991, 200, 3-37.	0.4	287
89	Targeting LIF-mediated paracrine interaction for pancreatic cancer therapy and monitoring. Nature, 2019, 569, 131-135.	13.7	287
90	Cancer-Associated Protein Kinase C Mutations Reveal Kinaseâ€™s Role as Tumor Suppressor. Cell, 2015, 160, 489-502.	13.5	285

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91	The mouse kinome: Discovery and comparative genomics of all mouse protein kinases. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 11707-11712.	3.3	278
92	Protein kinase C phosphorylates pp60src at a novel site. Cell, 1985, 42, 849-857.	13.5	267
93	Conserved function of RNF4 family proteins in eukaryotes: targeting a ubiquitin ligase to SUMOylated proteins. EMBO Journal, 2007, 26, 4102-4112.	3.5	266
94	Role of Methionine in the Initiation of Haemoglobin Synthesis. Nature, 1970, 227, 672-676.	13.7	258
95	Autoregulation and Homodimerization Are Involved in the Activation of the Plant Steroid Receptor BRI1. Developmental Cell, 2005, 8, 855-865.	3.1	257
96	Conformational Flexibility Underlies Ubiquitin Ligation Mediated by the WWP1 HECT Domain E3 Ligase. Molecular Cell, 2003, 11, 249-259.	4.5	249
97	B61 is a ligand for the ECK receptor protein-tyrosine kinase. Nature, 1994, 368, 558-560.	13.7	248
98	Characterization of t antigens in polyoma-infected and transformed cells. Cell, 1978, 15, 65-77.	13.5	245
99	Three glycolytic enzymes are phosphorylated at tyrosine in cells transformed by Rous sarcoma virus. Nature, 1983, 302, 218-223.	13.7	245
100	Dimerization-Induced Inhibition of Receptor Protein Tyrosine Phosphatase Function Through an Inhibitory Wedge. Science, 1998, 279, 88-91.	6.0	240
101	Dual-specificity protein kinases: will any hydroxyl do?. Trends in Biochemical Sciences, 1992, 17, 114-119.	3.7	236
102	Structure of the human anti-apoptotic protein survivin reveals a dimeric arrangement. Nature Structural Biology, 2000, 7, 602-608.	9.7	226
103	Coexpressed EphA Receptors and Ephrin-A Ligands Mediate Opposing Actions on Growth Cone Navigation from Distinct Membrane Domains. Cell, 2005, 121, 127-139.	13.5	225
104	Transcriptional control: Versatile molecular glue. Current Biology, 1996, 6, 951-954.	1.8	224
105	Never say never. The NIMA-related protein kinases in mitotic control. Trends in Cell Biology, 2003, 13, 221-228.	3.6	221
106	The regulatory crosstalk between kinases and proteases in cancer. Nature Reviews Cancer, 2010, 10, 278-292.	12.8	220
107	Nuclear Translocation of Caspase-3 Is Dependent on Its Proteolytic Activation and Recognition of a Substrate-like Protein(s)*. Journal of Biological Chemistry, 2005, 280, 857-860.	1.6	219
108	SMK-1, an Essential Regulator of DAF-16-Mediated Longevity. Cell, 2006, 124, 1039-1053.	13.5	213

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109	Serine 727 Phosphorylation and Activation of Cytosolic Phospholipase A2 by MNK1-related Protein Kinases. Journal of Biological Chemistry, 2000, 275, 37542-37551.	1.6	208
110	Ubiquitylation and proteasomal degradation of the p21^{Cip1}, p27^{Kip1}and p57^{Kip2}CDK inhibitors. Cell Cycle, 2010, 9, 2342-2352.	1.3	204
111	Regulation of F-actin-dependent processes by the Abl family of tyrosine kinases. Journal of Cell Science, 2003, 116, 2613-2626.	1.2	203
112	Microarray and cDNA sequence analysis of transcription during nerve-dependent limb regeneration. BMC Biology, 2009, 7, 1.	1.7	203
113	Protein kinase signaling networks in cancer. Current Opinion in Genetics and Development, 2011, 21, 4-11.	1.5	202
114	Guanylyl Cyclase-linked Natriuretic Peptide Receptors: Structure and Regulation. Journal of Biological Chemistry, 2001, 276, 6057-6060.	1.6	197
115	CtIP Links DNA Double-Strand Break Sensing to Resection. Molecular Cell, 2009, 36, 954-969.	4.5	197
116	Growth factors: The epidermal growth factor receptor gene and its product. Nature, 1984, 311, 414-416.	13.7	194
117	Cyclin-dependent kinase (CDK) phosphorylation destabilizes somatic Wee1 via multiple pathways. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 11663-11668.	3.3	191
118	Enhancement of BRCA1 E3 Ubiquitin Ligase Activity through Direct Interaction with the BARD1 Protein. Journal of Biological Chemistry, 2003, 278, 5255-5263.	1.6	185
119	Detection of a transforming gene product in cells transformed by Moloney murine sarcoma virus. Cell, 1982, 29, 417-426.	13.5	180
120	Dimerization inhibits the activity of receptor-like protein-tyrosine phosphatase-Î±. Nature, 1999, 401, 606-610.	13.7	177
121	Primate-Specific ORF0 Contributes to Retrotransposon-Mediated Diversity. Cell, 2015, 163, 583-593.	13.5	177
122	EphrinA1-induced cytoskeletal re-organization requires FAK and p130cas. Nature Cell Biology, 2002, 4, 565-573.	4.6	175
123	How do protein kinases discriminate between serine/threonine and tyrosine? Structural insights from the insulin receptor proteinâ€tyrosine kinase. FASEB Journal, 1995, 9, 1255-1266.	0.2	174
124	Evidence for a NIMA-like mitotic pathway in vertebrate cells. Cell, 1995, 81, 413-424.	13.5	174
125	Characterization of the mRNAs for Î±-, Î²- and Î³-actin. Cell, 1977, 12, 767-781.	13.5	173
126	Metabolic Kinases Moonlighting as Protein Kinases. Trends in Biochemical Sciences, 2018, 43, 301-310.	3.7	173

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127	JAK2, Ras, and Raf Are Required for Activation of Extracellular Signal-regulated Kinase/Mitogen-activated Protein Kinase by Growth Hormone. Journal of Biological Chemistry, 1995, 270, 30837-30840.	1.6	172
128	Phosphorylation of Rat Serine 105 or Mouse Threonine 217 in C/EBPÎ² Is Required for Hepatocyte Proliferation Induced by TGFÎ±. Molecular Cell, 1999, 4, 1087-1092.	4.5	170
129	The F Box Protein Fbx6 Regulates Chk1 Stability and Cellular Sensitivity to Replication Stress. Molecular Cell, 2009, 35, 442-453.	4.5	170
130	C/EBPÎ² Phosphorylation by RSK Creates a Functional XEXD Caspase Inhibitory Box Critical for Cell Survival. Molecular Cell, 2001, 8, 807-816.	4.5	163
131	Receptor signaling: When dimerization is not enough. Current Biology, 1999, 9, R568-R571.	1.8	158
132	Phosphorylation of LC3 by the Hippo Kinases STK3/STK4 Is Essential for Autophagy. Molecular Cell, 2015, 57, 55-68.	4.5	158
133	p38-2, a Novel Mitogen-activated Protein Kinase with Distinct Properties. Journal of Biological Chemistry, 1997, 272, 19509-19517.	1.6	157
134	Monoclonal 1- and 3-Phosphohistidine Antibodies: New Tools to Study Histidine Phosphorylation. Cell, 2015, 162, 198-210.	13.5	157
135	Pin1 and Par14 Peptidyl Prolyl Isomerase Inhibitors Block Cell Proliferation. Chemistry and Biology, 2003, 10, 15-24.	6.2	156
136	Turnover of the Active Fraction of IRS1 Involves Raptor-mTOR- and S6K1-Dependent Serine Phosphorylation in Cell Culture Models of Tuberous Sclerosis. Molecular and Cellular Biology, 2006, 26, 6425-6434.	1.1	152
137	Control of haemoglobin synthesis: Rate of translation of the messenger RNA for the Î± and Î² chains. Journal of Molecular Biology, 1969, 43, 123-133.	2.0	151
138	Modulation of the F-actin cytoskeleton by c-Abl tyrosine kinase in cell spreading and neurite extension. Journal of Cell Biology, 2002, 156, 879-892.	2.3	151
139	The protein histidine phosphatase LHPP is a tumour suppressor. Nature, 2018, 555, 678-682.	13.7	151
140	Phosphorylation of the Kinase Homology Domain Is Essential for Activation of the A-Type Natriuretic Peptide Receptor. Molecular and Cellular Biology, 1998, 18, 2164-2172.	1.1	149
141	Prolyl isomerase Pin1 in cancer. Cell Research, 2014, 24, 1033-1049.	5.7	149
142	Inactivation of p27Kip1 by the viral E1A oncoprotein in TGFÎ²-treated cells. Nature, 1996, 380, 262-265.	13.7	147
143	Cyclin-dependent kinases: a new cell cycle motif?. Trends in Cell Biology, 1991, 1, 117-121.	3.6	146
144	Vertebrate non-receptor protein-tyrosine kinase families. Genes To Cells, 1996, 1, 147-169.	0.5	140

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145	Cyclin-dependent Kinases Are Inactivated by a Combination of p21 and Thr-14/Tyr-15 Phosphorylation after UV-induced DNA Damage. Journal of Biological Chemistry, 1996, 271, 13283-13291.	1.6	140
146	Phosphopeptide mapping and phosphoamino acid analysis by electrophoresis and chromatography on thin-layer cellulose plates. Electrophoresis, 1994, 15, 544-554.	1.3	136
147	pHisphorylation: the emergence of histidine phosphorylation as a reversible regulatory modification. Current Opinion in Cell Biology, 2017, 45, 8-16.	2.6	130
148	Receptor-Like Protein Tyrosine Phosphatase Î± Homodimerizes on the Cell Surface. Molecular and Cellular Biology, 2000, 20, 5917-5929.	1.1	128
149	Degradation of Activated Protein Kinases by Ubiquitination. Annual Review of Biochemistry, 2009, 78, 435-475.	5.0	126
150	Structural Basis for High-Affinity Peptide Inhibition of Human Pin1. ACS Chemical Biology, 2007, 2, 320-328.	1.6	123
151	The Genesis of Tyrosine Phosphorylation. Cold Spring Harbor Perspectives in Biology, 2014, 6, a020644-a020644.	2.3	122
152	The transforming protein of Moloney murine sarcoma virus is a soluble cytoplasmic protein. Cell, 1983, 33, 161-172.	13.5	121
153	Identification and Characterization of the Major Phosphorylation Sites of the B-type Natriuretic Peptide Receptor. Journal of Biological Chemistry, 1998, 273, 15533-15539.	1.6	117
154	A conserved ubiquitination pathway determines longevity in response to diet restriction. Nature, 2009, 460, 396-399.	13.7	117
155	Alleviation of neuronal energy deficiency by mTOR inhibition as a treatment for mitochondria-related neurodegeneration. ELife, 2016, 5, .	2.8	117
156	Requirement for c-Src Catalytic Activity and the SH3 Domain in Platelet-derived Growth Factor BB and Epidermal Growth Factor Mitogenic Signaling. Journal of Biological Chemistry, 1996, 271, 16798-16806.	1.6	116
157	Prolyl Isomerases and Nuclear Function. Cell, 1998, 92, 141-143.	13.5	116
158	Essential role of tuberous sclerosis genes TSC1 and TSC2 in NF-ÎºB activation and cell survival. Cancer Cell, 2006, 10, 215-226.	7.7	116
159	Cdc37: a protein kinase chaperone?. Trends in Cell Biology, 1997, 7, 157-161.	3.6	110
160	The JNKK2-JNK1 Fusion Protein Acts As a Constitutively Active c-Jun Kinase That Stimulates c-Jun Transcription Activity. Journal of Biological Chemistry, 1999, 274, 28966-28971.	1.6	105
161	A crucial role for the Anaplastic lymphoma kinase receptor tyrosine kinase in gut development in Drosophila melanogaster. EMBO Reports, 2003, 4, 781-786.	2.0	104
162	Inhibition of c-Abl Tyrosine Kinase Activity by Filamentous Actin. Journal of Biological Chemistry, 2001, 276, 27104-27110.	1.6	103

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163	BRCA1 Is Phosphorylated at Serine 1497 In Vivo at a Cyclin-Dependent Kinase 2 Phosphorylation Site. Molecular and Cellular Biology, 1999, 19, 4843-4854.	1.1	102
164	Tyrosine phosphorylation of histone H2A by CK2 regulates transcriptional elongation. Nature, 2014, 516, 267-271.	13.7	100
165	Identification and characterization of DAlk: a novelDrosophila melanogasterRTK which drives ERK activationin vivo. Genes To Cells, 2001, 6, 531-544.	0.5	96
166	Heterochromatin-Encoded Satellite RNAs Induce Breast Cancer. Molecular Cell, 2018, 70, 842-853.e7.	4.5	96
167	Mitochondrial Aging Defects Emerge in Directly Reprogrammed Human Neurons due to Their Metabolic Profile. Cell Reports, 2018, 23, 2550-2558.	2.9	93
168	Identification of Functional Domains in the Neuronal Cdk5 Activator Protein. Journal of Biological Chemistry, 1997, 272, 5703-5708.	1.6	91
169	Critical roles of the p160 transcriptional coactivators p/CIP and SRC-1 in energy balance. Cell Metabolism, 2006, 3, 111-122.	7.2	91
170	Rapid activation of ATM on DNA flanking double-strand breaks. Nature Cell Biology, 2007, 9, 1311-1318.	4.6	91
171	Emerging functions of branched ubiquitin chains. Cell Discovery, 2021, 7, 6.	3.1	91
172	Parkin mitochondrial translocation is achieved through a novel catalytic activity coupled mechanism. Cell Research, 2013, 23, 886-897.	5.7	89
173	1001 Protein Kinases Reduxâ€"Towards 2000. Seminars in Cell Biology, 1994, 5, 367-376.	3.5	87
174	Intracellular signalling: Putting JAKs on the kinase MAP. Current Biology, 1996, 6, 668-671.	1.8	87
175	Dual Roles of p300 in Chromatin Assembly and Transcriptional Activation in Cooperation with Nucleosome Assembly Protein 1 In Vitro. Molecular and Cellular Biology, 2002, 22, 2974-2983.	1.1	86
176	Cytokine connections. Nature, 1993, 366, 114-115.	13.7	85
177	Poly-Small Ubiquitin-like Modifier (PolySUMO)-binding Proteins Identified through a String Search. Journal of Biological Chemistry, 2012, 287, 42071-42083.	1.6	85
178	Signal Transduction from the Extracellular Matrix. A Role for the Focal Adhesion Protein-tyrosine Kinase FAK.. Cell Structure and Function, 1996, 21, 445-450.	0.5	84
179	Phosphorylation and spindle pole body localization of the Cdc15p mitotic regulatory protein kinase in budding yeast. Current Biology, 2000, 10, 329-332.	1.8	84
180	Activation of the Sap-1a Transcription Factor by the c-Jun N-terminal Kinase (JNK) Mitogen-activated Protein Kinase. Journal of Biological Chemistry, 1997, 272, 4219-4224.	1.6	83

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181	Treatment for chronic myelogenous leukemia: the long road to imatinib. Journal of Clinical Investigation, 2007, 117, 2036-2043.	3.9	83
182	Site-specific incorporation of phosphotyrosine using an expanded genetic code. Nature Chemical Biology, 2017, 13, 842-844.	3.9	82
183	Control of haemoglobin synthesis: Distribution of ribosomes on the messenger RNA for Î± and Î² chains. Journal of Molecular Biology, 1968, 36, 31-45.	2.0	81
184	RING domain dimerization is essential for RNF4 function. Biochemical Journal, 2010, 431, 23-29.	1.7	80
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