Tony Hunter

List of Publications by Year in Descending Order

319 papers	76,339 citations	134 h-index	275 g-index
345 ext. papers	81,655 ext. citations	20 avg, IF	8.21 L-index

#	Paper	IF	Citations
319	The many ways that nature has exploited the unusual structural and chemical properties of phosphohistidine for use in proteins. *Biochemical Journal*, **2021**, 478, 3575-3596	3.8	1
318	An engineered ligand trap inhibits leukemia inhibitory factor as pancreatic cancer treatment strategy. *Communications Biology*, **2021**, 4, 452	6.7	5
317	Spatiotemporal profiling of cytosolic signaling complexes in living cells by selective proximity proteomics. *Nature Communications*, **2021**, 12, 71	17.4	12
316	Structural basis for differential recognition of phosphohistidine-containing peptides by 1-pHis and 3-pHis monoclonal antibodies. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	8
315	Emerging functions of branched ubiquitin chains. *Cell Discovery*, **2021**, 7, 6	22.3	27
314	My biochemical journey from a Cambridge undergraduate to the discovery of phosphotyrosine. *Biochemist*, **2021**, 43, 74-77	0.5	
313	The Potential Functional Roles of NME1 Histidine Kinase Activity in Neuroblastoma Pathogenesis. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	7
312	Tuft Cell Formation Reflects Epithelial Plasticity in Pancreatic Injury: Implications for Modeling Human Pancreatitis. *Frontiers in Physiology*, **2020**, 11, 88	4.6	18
311	A framework for advancing our understanding of cancer-associated fibroblasts. *Nature Reviews Cancer*, **2020**, 20, 174-186	31.3	790
310	Empirical Evidence of Cellular Histidine Phosphorylation by Immunoblotting Using pHis mAbs. *Methods in Molecular Biology*, **2020**, 2077, 181-191	1.4	6
309	Immunohistochemistry (IHC): Chromogenic Detection of 3-Phosphohistidine Proteins in Formaldehyde-Fixed, Frozen Mouse Liver Tissue Sections. *Methods in Molecular Biology*, **2020**, 2077, 193-208	1.4	3
308	Subcellular Localization of Histidine Phosphorylated Proteins Through Indirect Immunofluorescence. *Methods in Molecular Biology*, **2020**, 2077, 209-224	1.4	4
307	NME/NM23/NDPK and Histidine Phosphorylation. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	6
306	Targeting LIF-mediated paracrine interaction for pancreatic cancer therapy and monitoring. *Nature*, **2019**, 569, 131-135	50.4	155
305	p190RhoGAP Filters Competing Signals to Resolve Axon Guidance Conflicts. *Neuron*, **2019**, 102, 602-620.e9	13.9	10
304	Stem Cell Factor LIFted as a Promising Clinical Target for Cancer Therapy. *Molecular Cancer Therapeutics*, **2019**, 18, 1337-1340	6.1	3
303	Repair of protein-linked DNA double strand breaks: Using the adenovirus genome as a model substrate in cell-based assays. *DNA Repair*, **2019**, 74, 80-90	4.3	4

302	An internal ribosome entry site in the coding region of tyrosyl-DNA phosphodiesterase 2 drives alternative translation start. *Journal of Biological Chemistry*, **2019**, 294, 2665-2677	5.4	5
301	Metabolic Kinases Moonlighting as Protein Kinases. *Trends in Biochemical Sciences*, **2018**, 43, 301-310	10.3	98
300	The protein histidine phosphatase LHPP is a tumour suppressor. *Nature*, **2018**, 555, 678-682	50.4	96
299	Histidine kinases and the missing phosphoproteome from prokaryotes to eukaryotes. *Laboratory Investigation*, **2018**, 98, 233-247	5.9	44
298	Challenges in validating candidate therapeutic targets in cancer. *ELife*, **2018**, 7,	8.9	15
297	Defective RNA polymerase III is negatively regulated by the SUMO-Ubiquitin-Cdc48 pathway. *ELife*, **2018**, 7,	8.9	15
296	GNAS-PKA Oncosignaling Network in Colorectal Cancer. *FASEB Journal*, **2018**, 32, 695.9	0.9	0
295	Photoaffinity-engineered protein scaffold for systematically exploring native phosphotyrosine signaling complexes in tumor samples. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E8863-E8872	11.5	7
294	Failure to detect functional transfer of active K-Ras protein from extracellular vesicles into recipient cells in culture. *PLoS ONE*, **2018**, 13, e0203290	3.7	4
293	Mitochondrial Aging Defects Emerge in Directly Reprogrammed Human Neurons due to Their Metabolic Profile. *Cell Reports*, **2018**, 23, 2550-2558	10.6	55
292	Heterochromatin-Encoded Satellite RNAs Induce Breast Cancer. *Molecular Cell*, **2018**, 70, 842-853.e7	17.6	57
291	pHisphorylation: the emergence of histidine phosphorylation as a reversible regulatory modification. *Current Opinion in Cell Biology*, **2017**, 45, 8-16	9	86
290	Mechanism of ubiquitin chain synthesis employed by a HECT domain ubiquitin ligase. *Journal of Biological Chemistry*, **2017**, 292, 10398-10413	5.4	34
289	Site-specific incorporation of phosphotyrosine using an expanded genetic code. *Nature Chemical Biology*, **2017**, 13, 842-844	11.7	50
288	Secreted Glioblastoma Nanovesicles Contain Intracellular Signaling Proteins and Active Ras Incorporated in a Farnesylation-dependent Manner. *Journal of Biological Chemistry*, **2017**, 292, 611-628	5.4	28
287	Dna2 initiates resection at clean DNA double-strand breaks. *Nucleic Acids Research*, **2017**, 45, 11766-11781	10.1	14
286	Identification of PGAM5 as a Mammalian Protein Histidine Phosphatase that Plays a Central Role to Negatively Regulate CD4(+) T Cells. *Molecular Cell*, **2016**, 63, 457-69	17.6	52
285	Recurrent MLK4 Loss-of-Function Mutations Suppress JNK Signaling to Promote Colon Tumorigenesis. *Cancer Research*, **2016**, 76, 724-35	10.1	21

284	Metabolic reprogramming during neuronal differentiation from aerobic glycolysis to neuronal oxidative phosphorylation. *ELife*, **2016**, 5,	8.9	264
283	Author response: Metabolic reprogramming during neuronal differentiation from aerobic glycolysis to neuronal oxidative phosphorylation **2016**,		4
282	Alleviation of neuronal energy deficiency by mTOR inhibition as a treatment for mitochondria-related neurodegeneration. *ELife*, **2016**, 5,	8.9	84
281	Histidine phosphorylation relieves copper inhibition in the mammalian potassium channel KCa3.1. *ELife*, **2016**, 5,	8.9	37
280	Mitochondria-Translocated PGK1 Functions as a Protein Kinase to Coordinate Glycolysis and the TCA Cycle in Tumorigenesis. *Molecular Cell*, **2016**, 61, 705-719	17.6	197
279	The Deubiquitylase MATH-33 Controls DAF-16 Stability and Function in Metabolism and Longevity. *Cell Metabolism*, **2015**, 22, 151-63	24.6	26
278	Transcriptional Repressor DAXX Promotes Prostate Cancer Tumorigenicity via Suppression of Autophagy. *Journal of Biological Chemistry*, **2015**, 290, 15406-15420	5.4	27
277	Monoclonal 1- and 3-Phosphohistidine Antibodies: New Tools to Study Histidine Phosphorylation. *Cell*, **2015**, 162, 198-210	56.2	117
276	Discovering the first tyrosine kinase. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 7877-82	11.5	21
275	Combinatorial proteomic analysis of intercellular signaling applied to the CD28 T-cell costimulatory receptor. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E1594-603	11.5	44
274	How phosphoubiquitin activates Parkin. *Cell Research*, **2015**, 25, 1087-8	24.7	2
273	Primate-specific ORF0 contributes to retrotransposon-mediated diversity. *Cell*, **2015**, 163, 583-93	56.2	135
272	The C. elegans Ortholog of USP7 controls DAF-16 stability in Insulin/IGF-1-like signaling. *Worm*, **2015**, 4, e1103429		3
271	Phosphorylation of LC3 by the Hippo kinases STK3/STK4 is essential for autophagy. *Molecular Cell*, **2015**, 57, 55-68	17.6	126
270	The Eukaryotic Protein Kinase Superfamily and the Emergence of Receptor Tyrosine Kinases **2015**, 1-15		4
269	Cancer-associated protein kinase C mutations reveal kinase's role as tumor suppressor. *Cell*, **2015**, 160, 489-502	56.2	211
268	The DAXX co-repressor is directly recruited to active regulatory elements genome-wide to regulate autophagy programs in a model of human prostate cancer. *Oncoscience*, **2015**, 2, 362-72	0.8	10
267	Mass spectrometry-based quantification of the cellular response to methyl methanesulfonate treatment in human cells. *DNA Repair*, **2014**, 15, 29-38	4.3	3

266	Signal transduction: From the atomic age to the post-genomic era. *Cold Spring Harbor Perspectives in Biology*, **2014**, 6, a022913	10.2	17
265	Pink1, the first ubiquitin kinase. *EMBO Journal*, **2014**, 33, 1621-3	13	17
264	A Krüppel-like factor downstream of the E3 ligase WWP-1 mediates dietary-restriction-induced longevity in Caenorhabditis elegans. *Nature Communications*, **2014**, 5, 3772	17.4	17
263	Tyrosine phosphorylation of histone H2A by CK2 regulates transcriptional elongation. *Nature*, **2014**, 516, 267-71	50.4	81
262	Vitamin D receptor-mediated stromal reprogramming suppresses pancreatitis and enhances pancreatic cancer therapy. *Cell*, **2014**, 159, 80-93	56.2	650
261	Prolyl isomerase Pin1 in cancer. *Cell Research*, **2014**, 24, 1033-49	24.7	120
260	Multiple Arkadia/RNF111 structures coordinate its Polycomb body association and transcriptional control. *Molecular and Cellular Biology*, **2014**, 34, 2981-95	4.8	15
259	Roles of Chk1 in cell biology and cancer therapy. *International Journal of Cancer*, **2014**, 134, 1013-23	7.5	258
258	Psy2 targets the PP4 family phosphatase Pph3 to dephosphorylate Mth1 and repress glucose transporter gene expression. *Molecular and Cellular Biology*, **2014**, 34, 452-63	4.8	16
257	The genesis of tyrosine phosphorylation. *Cold Spring Harbor Perspectives in Biology*, **2014**, 6, a020644	10.2	87
256	Identification of small ubiquitin-like modifier substrates with diverse functions using the Xenopus egg extract system. *Molecular and Cellular Proteomics*, **2014**, 13, 1659-75	7.6	9
255	Escargot restricts niche cell to stem cell conversion in the Drosophila testis. *Cell Reports*, **2014**, 7, 722-34	10.6	37
254	Parkin mitochondrial translocation is achieved through a novel catalytic activity coupled mechanism. *Cell Research*, **2013**, 23, 886-97	24.7	83
253	Retrospective. Tony Pawson (1952-2013). *Science*, **2013**, 341, 1078	33.3	
252	Translating experience: thinking outside the box. *Nature Cell Biology*, **2013**, 15, 545	23.4	
251	Retrotransposon long interspersed nucleotide element-1 (LINE-1) is activated during salamander limb regeneration. *Development Growth and Differentiation*, **2012**, 54, 673-85	3	30
250	PKM2 phosphorylates histone H3 and promotes gene transcription and tumorigenesis. *Cell*, **2012**, 150, 685-96	56.2	496
249	Poly-small ubiquitin-like modifier (PolySUMO)-binding proteins identified through a string search. *Journal of Biological Chemistry*, **2012**, 287, 42071-83	5.4	70

248	Why nature chose phosphate to modify proteins. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2012**, 367, 2513-6	5.8	225
247	Activation of germline-specific genes is required for limb regeneration in the Mexican axolotl. *Developmental Biology*, **2012**, 370, 42-51	3.1	50
246	Structure-based prediction of protein-protein interactions on a genome-wide scale. *Nature*, **2012**, 490, 556-60	50.4	508
245	Viral E3 ubiquitin ligase-mediated degradation of a cellular E3: viral mimicry of a cellular phosphorylation mark targets the RNF8 FHA domain. *Molecular Cell*, **2012**, 46, 79-90	17.6	61
244	Renato Dulbecco:a Renaissance scientist. *Cell*, **2012**, 149, 9-10	56.2	4
243	The transcriptional coactivators p/CIP and SRC-1 control insulin resistance through IRS1 in obesity models. *PLoS ONE*, **2012**, 7, e36961	3.7	14
242	The evolution of protein phosphorylation. Preface. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2012**, 367, 2512	5.8	5
241	The RING finger protein RNF8 ubiquitinates Nbs1 to promote DNA double-strand break repair by homologous recombination. *Journal of Biological Chemistry*, **2012**, 287, 43984-94	5.4	36
240	Protein kinase signaling networks in cancer. *Current Opinion in Genetics and Development*, **2011**, 21, 4-11	4.9	169
239	Cancer-associated loss-of-function mutations implicate DAPK3 as a tumor-suppressing kinase. *Cancer Research*, **2011**, 71, 3152-61	10.1	55
238	The regulatory crosstalk between kinases and proteases in cancer. *Nature Reviews Cancer*, **2010**, 10, 278-92	33.3	192
237	Eukaryotic Kinomes: Genomics and Evolution of Protein Kinases **2010**, 393-397		1
236	Ubiquitylation and proteasomal degradation of the p21(Cip1), p27(Kip1) and p57(Kip2) CDK inhibitors. *Cell Cycle*, **2010**, 9, 2342-52	4.7	175
235	Suppressor of MEK null (SMEK)/protein phosphatase 4 catalytic subunit (PP4C) is a key regulator of hepatic gluconeogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 17704-9	11.5	54
234	Regulation of the Chlamydomonas cell cycle by a stable, chromatin-associated retinoblastoma tumor suppressor complex. *Plant Cell*, **2010**, 22, 3331-47	11.6	54
233	RING domain dimerization is essential for RNF4 function. *Biochemical Journal*, **2010**, 431, 23-9	3.8	65
232	TORC-specific phosphorylation of mammalian target of rapamycin (mTOR): phospho-Ser2481 is a marker for intact mTOR signaling complex 2. *Cancer Research*, **2009**, 69, 1821-7	10.1	322
231	Tyrosine phosphorylation: thirty years and counting. *Current Opinion in Cell Biology*, **2009**, 21, 140-6	9	472

230	Microarray and cDNA sequence analysis of transcription during nerve-dependent limb regeneration. *BMC Biology*, **2009**, 7, 1	7.3	147
229	A conserved ubiquitination pathway determines longevity in response to diet restriction. *Nature*, **2009**, 460, 396-9	50.4	104
228	Cyclin-dependent kinases: a family portrait. *Nature Cell Biology*, **2009**, 11, 1275-6	23.4	286
227	The F box protein Fbx6 regulates Chk1 stability and cellular sensitivity to replication stress. *Molecular Cell*, **2009**, 35, 442-53	17.6	139
226	CtIP links DNA double-strand break sensing to resection. *Molecular Cell*, **2009**, 36, 954-69	17.6	169
225	Degradation of activated protein kinases by ubiquitination. *Annual Review of Biochemistry*, **2009**, 78, 435-75	29.1	102
224	Possible involvement of caspase-7 in cell cycle progression at mitosis. *Genes To Cells*, **2008**, 13, 609-21	2.3	24
223	Minichromosome maintenance proteins interact with checkpoint and recombination proteins to promote s-phase genome stability. *Molecular and Cellular Biology*, **2008**, 28, 1724-38	4.8	66
222	Instructive role of aPKCzeta subcellular localization in the assembly of adherens junctions in neural progenitors. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 335-40	11.5	39
221	Tony Hunter: kinase king. Interview by Ruth Williams. *Journal of Cell Biology*, **2008**, 181, 572-3	7.3	2
220	MEKK1: Dual Function as a Protein Kinase and a Ubiquitin Protein Ligase **2008**, 79-87		
219	Structural basis for high-affinity peptide inhibition of human Pin1. *ACS Chemical Biology*, **2007**, 2, 320-8	4.9	109
218	A not so brief history of the Oncogene Meeting and its cartoons. *Oncogene*, **2007**, 26, 1260-7	9.2	3
217	Rapid activation of ATM on DNA flanking double-strand breaks. *Nature Cell Biology*, **2007**, 9, 1311-8	23.4	84
216	Conserved function of RNF4 family proteins in eukaryotes: targeting a ubiquitin ligase to SUMOylated proteins. *EMBO Journal*, **2007**, 26, 4102-12	13	239
215	Monitoring ATM kinase activity in living cells. *DNA Repair*, **2007**, 6, 1277-84	4.3	33
214	Real-time imaging reveals that noninvasive mammary epithelial acini can contain motile cells. *Journal of Cell Biology*, **2007**, 179, 1555-67	7.3	54
213	MEKK1 mediates the ubiquitination and degradation of c-Jun in response to osmotic stress. *Molecular and Cellular Biology*, **2007**, 27, 510-7	4.8	63

212	Phosphorylation of beta-catenin by AKT promotes beta-catenin transcriptional activity. *Journal of Biological Chemistry*, **2007**, 282, 11221-9	5.4	637
211	c-Jun downregulation by HDAC3-dependent transcriptional repression promotes osmotic stress-induced cell apoptosis. *Molecular Cell*, **2007**, 25, 219-32	17.6	62
210	The age of crosstalk: phosphorylation, ubiquitination, and beyond. *Molecular Cell*, **2007**, 28, 730-8	17.6	669
209	Treatment for chronic myelogenous leukemia: the long road to imatinib. *Journal of Clinical Investigation*, **2007**, 117, 2036-43	15.9	76
208	Essential role of tuberous sclerosis genes TSC1 and TSC2 in NF-kappaB activation and cell survival. *Cancer Cell*, **2006**, 10, 215-26	24.3	107
207	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, 6425-34	4.8	134
206	Protein phosphatase 2A antagonizes ATM and ATR in a Cdk2- and Cdc7-independent DNA damage checkpoint. *Molecular and Cellular Biology*, **2006**, 26, 1997-2011	4.8	57
205	SMK-1, an essential regulator of DAF-16-mediated longevity. *Cell*, **2006**, 124, 1039-53	56.2	175
204	Critical roles of the p160 transcriptional coactivators p/CIP and SRC-1 in energy balance. *Cell Metabolism*, **2006**, 3, 111-22	24.6	80
203	Tuberous sclerosis and insulin resistance. Unlikely bedfellows reveal a TORrid affair. *Cell Cycle*, **2005**, 4, 46-51	4.7	37
202	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, 857-60	5.4	192
201	Ubiquitin ligase activity of TFIIH and the transcriptional response to DNA damage. *Molecular Cell*, **2005**, 18, 237-43	17.6	64
200	Coexpressed EphA receptors and ephrin-A ligands mediate opposing actions on growth cone navigation from distinct membrane domains. *Cell*, **2005**, 121, 127-39	56.2	209
199	CaMKII structure--an elegant design. *Cell*, **2005**, 123, 765-7	56.2	15
198	Autoregulation and homodimerization are involved in the activation of the plant steroid receptor BRI1. *Developmental Cell*, **2005**, 8, 855-65	10.2	219
197	Kinomics: methods for deciphering the kinome. *Nature Methods*, **2005**, 2, 17-25	21.6	345
196	Reconstruction of cellular signalling networks and analysis of their properties. *Nature Reviews Molecular Cell Biology*, **2005**, 6, 99-111	48.7	408
195	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, 11663-8	11.5	164

194	A-kinase-anchoring protein 95 functions as a potential carrier for the nuclear translocation of active caspase 3 through an enzyme-substrate-like association. *Molecular and Cellular Biology*, **2005**, 25, 9469-77	4.8	34
193	ATM activation and its recruitment to damaged DNA require binding to the C terminus of Nbs1. *Molecular and Cellular Biology*, **2005**, 25, 5363-79	4.8	336
192	Mitotic phosphorylation rescues Abl from F-actin-mediated inhibition. *Journal of Biological Chemistry*, **2005**, 280, 10318-25	5.4	13
191	Suppressors of Bir1p (Survivin) identify roles for the chromosomal passenger protein Pic1p (INCENP) and the replication initiation factor Psf2p in chromosome segregation. *Molecular and Cellular Biology*, **2005**, 25, 9000-15	4.8	38
190	Critical role of T-loop and H-motif phosphorylation in the regulation of S6 kinase 1 by the tuberous sclerosis complex. *Journal of Biological Chemistry*, **2004**, 279, 20816-23	5.4	17
189	Wnt-Independent ?-catenin Transactivation in Tumor Developement. *Cell Cycle*, **2004**, 3, 569-571	4.7	26
188	c-Abl phosphorylates Dok1 to promote filopodia during cell spreading. *Journal of Cell Biology*, **2004**, 165, 493-503	7.3	66
187	Signal transduction. Unexpected mediators of protein phosphorylation. *Science*, **2004**, 306, 2053-5	33.3	23
186	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, 11707-12	11.5	248
185	M-phase kinases induce phospho-dependent ubiquitination of somatic Wee1 by SCFbeta-TrCP. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 4419-24	11.5	363
184	Inappropriate activation of the TSC/Rheb/mTOR/S6K cassette induces IRS1/2 depletion, insulin resistance, and cell survival deficiencies. *Current Biology*, **2004**, 14, 1650-6	6.3	654
183	Protein tyrosine phosphatases in the human genome. *Cell*, **2004**, 117, 699-711	56.2	1492
182	The discovery of tyrosine phosphorylation: it's all in the buffer!. *Cell*, **2004**, 116, S35-9, 1 p following S48	56.2	17
181	Regulation of F-actin-dependent processes by the Abl family of tyrosine kinases. *Journal of Cell Science*, **2003**, 116, 2613-26	5.3	185
180	Mitotic regulation of ribosomal S6 kinase 1 involves Ser/Thr, Pro phosphorylation of consensus and non-consensus sites by Cdc2. *Journal of Biological Chemistry*, **2003**, 278, 16433-42	5.4	55
179	Never say never. The NIMA-related protein kinases in mitotic control. *Trends in Cell Biology*, **2003**, 13, 221-8	18.3	189
178	Downregulation of caveolin-1 function by EGF leads to the loss of E-cadherin, increased transcriptional activity of beta-catenin, and enhanced tumor cell invasion. *Cancer Cell*, **2003**, 4, 499-515	24.3	556
177	Pin1 and Par14 peptidyl prolyl isomerase inhibitors block cell proliferation. *Chemistry and Biology*, **2003**, 10, 15-24		139

176	Role of the prolyl isomerase Pin1 in protecting against age-dependent neurodegeneration. *Nature*, **2003**, 424, 556-61	50.4	353
175	A crucial role for the Anaplastic lymphoma kinase receptor tyrosine kinase in gut development in Drosophila melanogaster. *EMBO Reports*, **2003**, 4, 781-6	6.5	85
174	Conformational flexibility underlies ubiquitin ligation mediated by the WWP1 HECT domain E3 ligase. *Molecular Cell*, **2003**, 11, 249-59	17.6	213
173	Enhancement of BRCA1 E3 ubiquitin ligase activity through direct interaction with the BARD1 protein. *Journal of Biological Chemistry*, **2003**, 278, 5255-63	5.4	159
172	Eukaryotic Kinomes: Genomic Cataloguing of Protein Kinases and Their Evolution **2003**, 373-377		
171	Tyrosine phosphorylation in cell signaling and disease. *Keio Journal of Medicine*, **2002**, 51, 61-71	1.6	28
170	Evolution of protein kinase signaling from yeast to man. *Trends in Biochemical Sciences*, **2002**, 27, 514-20	10.3	725
169	EphrinA1-induced cytoskeletal re-organization requires FAK and p130(cas). *Nature Cell Biology*, **2002**, 4, 565-73	23.4	166
168	Dysregulation of T lymphocyte function in itchy mice: a role for Itch in TH2 differentiation. *Nature Immunology*, **2002**, 3, 281-7	19.1	290
167	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, 1335-40	11.5	286
166	Modulation of the F-actin cytoskeleton by c-Abl tyrosine kinase in cell spreading and neurite extension. *Journal of Cell Biology*, **2002**, 156, 879-92	7.3	135
165	PRC1 is a microtubule binding and bundling protein essential to maintain the mitotic spindle midzone. *Journal of Cell Biology*, **2002**, 157, 1175-86	7.3	334
164	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, 2974-83	4.8	79
163	The PHD domain of MEKK1 acts as an E3 ubiquitin ligase and mediates ubiquitination and degradation of ERK1/2. *Molecular Cell*, **2002**, 9, 945-56	17.6	269
162	E3 ubiquitin-protein ligase activity of Parkin is dependent on cooperative interaction of RING finger (TRIAD) elements. *Journal of Biomedical Science*, **2001**, 8, 421-9	13.3	23
161	Identification and characterization of DAlk: a novel Drosophila melanogaster RTK which drives ERK activation in vivo. *Genes To Cells*, **2001**, 6, 531-44	2.3	80
160	Oncogenic kinase signalling. *Nature*, **2001**, 411, 355-65	50.4	3016
159	Inhibition of c-Abl tyrosine kinase activity by filamentous actin. *Journal of Biological Chemistry*, **2001**, 276, 27104-10	5.4	92

158	Guanylyl cyclase-linked natriuretic peptide receptors: structure and regulation. *Journal of Biological Chemistry*, **2001**, 276, 6057-60	5.4	167
157	The v-Src SH3 domain facilitates a cell adhesion-independent association with focal adhesion kinase. *Journal of Biological Chemistry*, **2001**, 276, 17653-62	5.4	39
156	Epidermal growth factor-induced tumor cell invasion and metastasis initiated by dephosphorylation and downregulation of focal adhesion kinase. *Molecular and Cellular Biology*, **2001**, 21, 4016-31	4.8	280
155	An SH2-domain-containing kinase negatively regulates the phosphatidylinositol-3 kinase pathway. *Genes and Development*, **2001**, 15, 687-98	12.6	25
154	Protein tyrosine phosphatase PTP1 negatively regulates Dictyostelium STATa and is required for proper cell-type proportioning. *Developmental Biology*, **2001**, 232, 233-45	3.1	10
153	C/EBPbeta phosphorylation by RSK creates a functional XEXD caspase inhibitory box critical for cell survival. *Molecular Cell*, **2001**, 8, 807-16	17.6	150
152	Kit/stem cell factor receptor-induced activation of phosphatidylinositol 3Rkinase is essential for male fertility. *Nature Genetics*, **2000**, 24, 157-62	36.3	274
151	Structure of the human anti-apoptotic protein survivin reveals a dimeric arrangement. *Nature Structural Biology*, **2000**, 7, 602-8		201
150	Structural basis for phosphoserine-proline recognition by group IV WW domains. *Nature Structural Biology*, **2000**, 7, 639-43		582
149	Phosphorylation and spindle pole body localization of the Cdc15p mitotic regulatory protein kinase in budding yeast. *Current Biology*, **2000**, 10, 329-32	6.3	82
148	Brassinosteroid-insensitive-1 is a ubiquitously expressed leucine-rich repeat receptor serine/threonine kinase. *Plant Physiology*, **2000**, 123, 1247-56	6.6	376
147	p21 and retinoblastoma protein control the absence of DNA replication in terminally differentiated muscle cells. *Journal of Cell Biology*, **2000**, 149, 281-92	7.3	60
146	Activation of protein kinase C stimulates the dephosphorylation of natriuretic peptide receptor-B at a single serine residue: a possible mechanism of heterologous desensitization. *Journal of Biological Chemistry*, **2000**, 275, 31099-106	5.4	38
145	Receptor-like protein tyrosine phosphatase alpha homodimerizes on the cell surface. *Molecular and Cellular Biology*, **2000**, 20, 5917-29	4.8	113
144	Serine 727 phosphorylation and activation of cytosolic phospholipase A2 by MNK1-related protein kinases. *Journal of Biological Chemistry*, **2000**, 275, 37542-51	5.4	179
143	Recognition and ubiquitination of Notch by Itch, a hect-type E3 ubiquitin ligase. *Journal of Biological Chemistry*, **2000**, 275, 35734-7	5.4	255
142	NeW wrinkles for an old domain. *Cell*, **2000**, 103, 1001-4	56.2	305
141	Signaling--2000 and beyond. *Cell*, **2000**, 100, 113-27	56.2	2225

140	Biochemistry. Ubiquitination--more than two to tango. *Science*, **2000**, 289, 2061-2	33.3	39
139	DFak56 is a novel Drosophila melanogaster focal adhesion kinase. *Journal of Biological Chemistry*, **1999**, 274, 35621-9	5.4	39
138	Regulation of Dictyostelium protein-tyrosine phosphatase-3 (PTP3) through osmotic shock and stress stimulation and identification of pp130 as a PTP3 substrate. *Journal of Biological Chemistry*, **1999**, 274, 12129-38	5.4	19
137	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, 28966-71	5.4	99
136	Dimerization inhibits the activity of receptor-like protein-tyrosine phosphatase-alpha. *Nature*, **1999**, 401, 606-10	50.4	162
135	Overexpression of D-type cyclins, E2F-1, SV40 large T antigen and HPV16 E7 rescue cell cycle arrest of tsBN462 cells caused by the CCG1/TAF(II)250 mutation. *Oncogene*, **1999**, 18, 1797-806	9.2	18
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