Lorenzo A Pinna

List of Publications by Year in Descending Order

210 papers	12,014 citations	57 h-index	103 g-index
211 ext. papers	12,959 ext. citations	5.4 avg, IF	6.32 L-index

#	Paper	IF	Citations
210	Targeting CK2 in cancer: a valuable strategy or a waste of time?. *Cell Death Discovery*, **2021**, 7, 325	6.9	5
209	How can a traffic light properly work if it is always green? The paradox of CK2 signaling. *Critical Reviews in Biochemistry and Molecular Biology*, **2021**, 56, 321-359	8.7	5
208	Comparing the efficacy and selectivity of Ck2 inhibitors. A phosphoproteomics approach. *European Journal of Medicinal Chemistry*, **2021**, 214, 113217	6.8	5
207	Contribution of the CK2 Catalytic Isoforms and to the Glycolytic Phenotype of Tumor Cells. *Cells*, **2021**, 10,	7.9	4
206	IPK2019: David Shugar and the genesis of the IPK conferences. *IUBMB Life*, **2020**, 72, 1097-1102	4.7	
205	Prevalence and significance of the commonest phosphorylated motifs in the human proteome: a global analysis. *Cellular and Molecular Life Sciences*, **2020**, 77, 5281-5298	10.3	9
204	Effects of CK2 subunit down-regulation on Akt signalling in HK-2 renal cells. *PLoS ONE*, **2020**, 15, e0227340	3.7	3
203	Deciphering the role of protein kinase CK2 in the maturation/stability of F508del-CFTR. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2020**, 1866, 165611	6.9	4
202	"Janus" efficacy of CX-5011: CK2 inhibition and methuosis induction by independent mechanisms. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2020**, 1867, 118807	4.9	9
201	A N-terminally deleted form of the CK2 catalytic subunit is sufficient to support cell viability. *Biochemical and Biophysical Research Communications*, **2020**, 531, 409-415	3.4	5
200	A Journey through the Cytoskeleton with Protein Kinase CK2. *Current Protein and Peptide Science*, **2019**, 20, 547-562	2.8	15
199	A proteomics analysis of CK2 C2C12 cells provides novel insights into the biological functions of the non-catalytic subunit. *FEBS Journal*, **2019**, 286, 1561-1575	5.7	8
198	Pharmacophore-guided discovery of CDC25 inhibitors causing cell cycle arrest and tumor regression. *Scientific Reports*, **2019**, 9, 1335	4.9	11
197	Protein Kinase CK2 Subunits Differentially Perturb the Adhesion and Migration of GN11 Cells: A Model of Immature Migrating Neurons. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	13
196	Up-Regulation of the Alpha Prime Subunit of Protein Kinase CK2 as a Marker of Fast Proliferation in GL261 Cultured Cells. *Pathology and Oncology Research*, **2019**, 25, 1659-1663	2.6	4
195	The importance of negative determinants as modulators of CK2 targeting. The lesson of Akt2 S131. *PLoS ONE*, **2018**, 13, e0193479	3.7	1
194	Under-expression of CK2 subunit in ccRCC represents a complementary biomarker of p-STAT3 Ser727 that correlates with patient survival. *Oncotarget*, **2018**, 9, 5736-5751	3.3	7

193	Re-evaluation of protein kinase CK2 pleiotropy: new insights provided by a phosphoproteomics analysis of CK2 knockout cells. *Cellular and Molecular Life Sciences*, **2018**, 75, 2011-2026	10.3	31
192	Dependence of HSP27 cellular level on protein kinase CK2 discloses novel therapeutic strategies. *Biochimica Et Biophysica Acta - General Subjects*, **2018**, 1862, 2902-2910	4	9
191	The Golgi 'casein kinase' Fam20C is a genuine 'phosvitin kinase' and phosphorylates polyserine stretches devoid of the canonical consensus. *FEBS Journal*, **2018**, 285, 4674-4683	5.7	10
190	Developmental phosphoproteomics identifies the kinase CK2 as a driver of Hedgehog signaling and a therapeutic target in medulloblastoma. *Science Signaling*, **2018**, 11,	8.8	37
189	From phosphoproteins to phosphoproteomes: a historical account. *FEBS Journal*, **2017**, 284, 1936-1951	5.7	18
188	Generation and quantitative proteomics analysis of CK2 cells. *Scientific Reports*, **2017**, 7, 42409	4.9	29
187	Fam20C is under the control of sphingolipid signaling in human cell lines. *FEBS Journal*, **2017**, 284, 1246-1257	5.7	7
186	Exploring the CK2 Paradox: Restless, Dangerous, Dispensable. *Pharmaceuticals*, **2017**, 10,	5.2	24
185	Targeting Protein Kinase CK2: Evaluating CX-4945 Potential for GL261 Glioblastoma Therapy in Immunocompetent Mice. *Pharmaceuticals*, **2017**, 10,	5.2	20
184	Protein kinase CK2 modulates HSJ1 function through phosphorylation of the UIM2 domain. *Human Molecular Genetics*, **2017**, 26, 611-623	5.6	6
183	Casein kinases as potential therapeutic targets. *Expert Opinion on Therapeutic Targets*, **2016**, 20, 319-40	6.4	59
182	Inhibition of protein kinase CK2 by CX-5011 counteracts imatinib-resistance preventing rpS6 phosphorylation in chronic myeloid leukaemia cells: new combined therapeutic strategies. *Oncotarget*, **2016**, 7, 18204-18	3.3	14
181	A chemogenomic screening identifies CK2 as a target for pro-senescence therapy in PTEN-deficient tumours. *Nature Communications*, **2015**, 6, 7227	17.4	29
180	A Single Kinase Generates the Majority of the Secreted Phosphoproteome. *Cell*, **2015**, 161, 1619-32	56.2	187
179	The generation of phosphoserine stretches in phosphoproteins: mechanism and significance. *Molecular BioSystems*, **2015**, 11, 2666-79		18
178	Casein kinase 2 (CK2) phosphorylates the deubiquitylase OTUB1 at Ser16 to trigger its nuclear localization. *Science Signaling*, **2015**, 8, ra35	8.8	36
177	Protein kinase CK2 potentiates translation efficiency by phosphorylating eIF3j at Ser127. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2015**, 1853, 1693-701	4.9	9
176	Proteomics perturbations promoted by the protein kinase CK2 inhibitor quinalizarin. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2015**, 1854, 1676-86	4	12

175	Chimeric peptides as modulators of CK2-dependent signaling: Mechanism of action and off-target effects. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2015**, 1854, 1694-707	4	12
174	A new role for sphingosine: Up-regulation of Fam20C, the genuine casein kinase that phosphorylates secreted proteins. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2015**, 1854, 1718-26	4	12
173	Different Persistence of the Cellular Effects Promoted by Protein Kinase CK2 Inhibitors CX-4945 and TDB. *BioMed Research International*, **2015**, 2015, 185736	3	8
172	The Selectivity of CK2 Inhibitor Quinalizarin: A Reevaluation. *BioMed Research International*, **2015**, 2015, 734127	3	18
171	Design, validation and efficacy of bisubstrate inhibitors specifically affecting ecto-CK2 kinase activity. *Biochemical Journal*, **2015**, 471, 415-30	3.8	24
170	A Comparative Analysis and Review of lysyl Residues Affected by Posttranslational Modifications. *Current Genomics*, **2015**, 16, 128-38	2.6	10
169	Genuine Casein Kinase: The False Sister of CK2 That Phosphorylates Secreted Proteins at S-x-E/pS Motifs **2015**, 227-237		2
168	A "SYDE" effect of hierarchical phosphorylation: possible relevance to the cystic fibrosis basic defect. *Cellular and Molecular Life Sciences*, **2014**, 71, 2193-6	10.3	7
167	Cell-permeable dual inhibitors of protein kinases CK2 and PIM-1: structural features and pharmacological potential. *Cellular and Molecular Life Sciences*, **2014**, 71, 3173-85	10.3	36
166	Restoration of CFTR function in patients with cystic fibrosis carrying the F508del-CFTR mutation. *Autophagy*, **2014**, 10, 2053-74	10.2	119
165	Casein kinase: the triple meaning of a misnomer. *Biochemical Journal*, **2014**, 460, 141-56	3.8	76
164	CK2 involvement in ESCRT-III complex phosphorylation. *Archives of Biochemistry and Biophysics*, **2014**, 545, 83-91	4.1	11
163	Differential phosphorylation of Akt1 and Akt2 by protein kinase CK2 may account for isoform specific functions. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2014**, 1843, 1865-74	4.9	22
162	Synthesis and properties of a selective inhibitor of homeodomain-interacting protein kinase 2 (HIPK2). *PLoS ONE*, **2014**, 9, e89176	3.7	17
161	Identification of the PLK2-dependent phosphopeptidome by quantitative proteomics [corrected]. *PLoS ONE*, **2014**, 9, e111018	3.7	6
160	Aberrant signalling by protein kinase CK2 in imatinib-resistant chronic myeloid leukaemia cells: biochemical evidence and therapeutic perspectives. *Molecular Oncology*, **2013**, 7, 1103-15	7.9	30
159	Inhibition of protein kinase CK2 with the clinical-grade small ATP-competitive compound CX-4945 or by RNA interference unveils its role in acute myeloid leukemia cell survival, p53-dependent apoptosis and daunorubicin-induced cytotoxicity. *Journal of Hematology and Oncology*, **2013**, 6, 78	22.4	35
158	Phosphorylation of cystic fibrosis transmembrane conductance regulator (CFTR) serine-511 by the combined action of tyrosine kinases and CK2: the implication of tyrosine-512 and phenylalanine-508. *Amino Acids*, **2013**, 45, 1423-9	3.5	15

157	CFTR mutations altering CFTR fragmentation. *Biochemical Journal*, **2013**, 449, 295-305	3.8	13
156	Exploiting the repertoire of CK2 inhibitors to target DYRK and PIM kinases. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2013**, 1834, 1402-9	4	15
155	Secreted protein kinases. *Trends in Biochemical Sciences*, **2013**, 38, 121-30	10.3	94
154	Specific Features of Plant CK2 **2013**, 267-289		3
153	Detection of phospho-sites generated by protein kinase CK2 in CFTR: mechanistic aspects of Thr1471 phosphorylation. *PLoS ONE*, **2013**, 8, e74232	3.7	30
152	Structural features underlying the selectivity of the kinase inhibitors NBC and dNBC: role of a nitro group that discriminates between CK2 and DYRK1A. *Cellular and Molecular Life Sciences*, **2012**, 69, 449-60	10.3	24
151	Inhibition of protein kinase CK2 by flavonoids and tyrphostins. A structural insight. *Biochemistry*, **2012**, 51, 6097-107	3.2	105
150	Protein kinase CK2 inhibitors: a patent review. *Expert Opinion on Therapeutic Patents*, **2012**, 22, 1081-97	6.8	56
149	Superiority of PLK-2 as □synuclein phosphorylating agent relies on unique specificity determinants. *Biochemical and Biophysical Research Communications*, **2012**, 418, 156-60	3.4	25
148	Nanoencapsulated anti-CK2 small molecule drug or siRNA specifically targets malignant cancer but not benign cells. *Cancer Letters*, **2012**, 315, 48-58	9.9	31
147	Effects of the CK2 inhibitors CX-4945 and CX-5011 on drug-resistant cells. *PLoS ONE*, **2012**, 7, e49193	3.7	39
146	Structural determinants of protein kinase CK2 regulation by autoinhibitory polymerization. *ACS Chemical Biology*, **2012**, 7, 1158-63	4.9	47
145	Protein kinase CK2 accumulation in "oncophilic" cells: causes and effects. *Molecular and Cellular Biochemistry*, **2011**, 356, 5-10	4.2	19
144	The p23 co-chaperone protein is a novel substrate of CK2 in Arabidopsis. *Molecular and Cellular Biochemistry*, **2011**, 356, 245-54	4.2	10
143	Understanding protein kinase CK2 mis-regulation upon F508del CFTR expression. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2011**, 384, 473-88	3.4	10
142	Urolithin as a converging scaffold linking ellagic acid and coumarin analogues: design of potent protein kinase CK2 inhibitors. *ChemMedChem*, **2011**, 6, 2273-86	3.7	41
141	Unprecedented selectivity and structural determinants of a new class of protein kinase CK2 inhibitors in clinical trials for the treatment of cancer. *Biochemistry*, **2011**, 50, 8478-88	3.2	132
140	Variable contribution of protein kinases to the generation of the human phosphoproteome: a global weblogo analysis. *Biomolecular Concepts*, **2010**, 1, 185-95	3.7	17

139	Assessment of CK2 constitutive activity in cancer cells. *Methods in Enzymology*, **2010**, 484, 495-514	1.7	34
138	Cystic fibrosis transmembrane regulator fragments with the Phe508 deletion exert a dual allosteric control over the master kinase CK2. *Biochemical Journal*, **2010**, 426, 19-29	3.8	22
137	Motif analysis of phosphosites discloses a potential prominent role of the Golgi casein kinase (GCK) in the generation of human plasma phospho-proteome. *Journal of Proteome Research*, **2010**, 9, 3335-8	5.6	35
136	Isoform specific phosphorylation of p53 by protein kinase CK1. *Cellular and Molecular Life Sciences*, **2010**, 67, 1105-18	10.3	26
135	The pleiotropic protein kinase CK2 phosphorylates HTLV-1 Tax protein in vitro, targeting its PDZ-binding motif. *Virus Genes*, **2010**, 41, 149-57	2.3	16
134	Golgi apparatus casein kinase phosphorylates bioactive Ser-6 of bone morphogenetic protein 15 and growth and differentiation factor 9. *FEBS Letters*, **2010**, 584, 801-5	3.8	22
133	Addiction to protein kinase CK2: a common denominator of diverse cancer cells?. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2010**, 1804, 499-504	4	253
132	Extraordinary pleiotropy of protein kinase CK2 revealed by weblogo phosphoproteome analysis. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2009**, 1793, 847-59	4.9	128
131	Dephosphorylation and inactivation of Akt/PKB is counteracted by protein kinase CK2 in HEK 293T cells. *Cellular and Molecular Life Sciences*, **2009**, 66, 3363-73	10.3	52
130	Protein kinase CK2 in health and disease: Protein kinase CK2: an ugly duckling in the kinome pond. *Cellular and Molecular Life Sciences*, **2009**, 66, 1795-9	10.3	56
129	Tetraiodobenzimidazoles are potent inhibitors of protein kinase CK2. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 7281-9	3.4	50
128	Programmed cell death protein 5 (PDCD5) is phosphorylated by CK2 in vitro and in 293T cells. *Biochemical and Biophysical Research Communications*, **2009**, 387, 606-10	3.4	25
127	Quinalizarin as a potent, selective and cell-permeable inhibitor of protein kinase CK2. *Biochemical Journal*, **2009**, 421, 387-95	3.8	127
126	Coumarin as attractive casein kinase 2 (CK2) inhibitor scaffold: an integrate approach to elucidate the putative binding motif and explain structure-activity relationships. *Journal of Medicinal Chemistry*, **2008**, 51, 752-9	8.3	109
125	Protein kinase CK2 as a druggable target. *Molecular BioSystems*, **2008**, 4, 889-94		98
124	The selectivity of inhibitors of protein kinase CK2: an update. *Biochemical Journal*, **2008**, 415, 353-65	3.8	193
123	Modulation of protein kinase CK2 activity by fragments of CFTR encompassing F508 may reflect functional links with cystic fibrosis pathogenesis. *Biochemistry*, **2008**, 47, 7925-36	3.2	37
122	The regulatory beta subunit of protein kinase CK2 contributes to the recognition of the substrate consensus sequence. A study with an eIF2 beta-derived peptide. *Biochemistry*, **2008**, 47, 8317-25	3.2	37

121	Mass spectrometry analysis of a protein kinase CK2beta subunit interactome isolated from mouse brain by affinity chromatography. *Journal of Proteome Research*, **2008**, 7, 990-1000	5.6	30
120	Comparative analysis of CK2 expression and function in tumor cell lines displaying sensitivity vs. resistance to chemical induced apoptosis. *Molecular and Cellular Biochemistry*, **2008**, 316, 155-61	4.2	27
119	A structural insight into CK2 inhibition. *Molecular and Cellular Biochemistry*, **2008**, 316, 57-62	4.2	40
118	Identification of novel protein kinase CK1 delta (CK1delta) inhibitors through structure-based virtual screening. *Bioorganic and Medicinal Chemistry Letters*, **2008**, 18, 5672-5	2.9	34
117	Phosphorylation of the Saccharomyces cerevisiae Grx4p glutaredoxin by the Bud32p kinase unveils a novel signaling pathway involving Sch9p, a yeast member of the Akt / PKB subfamily. *FEBS Journal*, **2008**, 275, 5919-33	5.7	14
116	Tetrabromocinnamic acid (TBCA) and related compounds represent a new class of specific protein kinase CK2 inhibitors. *ChemBioChem*, **2007**, 8, 129-39	3.8	104
115	The ATP-binding site of protein kinase CK2 holds a positive electrostatic area and conserved water molecules. *ChemBioChem*, **2007**, 8, 1804-9	3.8	86
114	Phosphorylation and activation of the atypical kinase p53-related protein kinase (PRPK) by Akt/PKB. *Cellular and Molecular Life Sciences*, **2007**, 64, 2680-9	10.3	21
113	Chemical dissection of the APC Repeat 3 multistep phosphorylation by the concerted action of protein kinases CK1 and GSK3. *Biochemistry*, **2007**, 46, 11902-10	3.2	34
112	Heterogeneity of CK2 phosphorylation sites in the NS5A protein of different hepatitis C virus genotypes. *Journal of Hepatology*, **2007**, 47, 768-76	13.4	14
111	Identification of ellagic acid as potent inhibitor of protein kinase CK2: a successful example of a virtual screening application. *Journal of Medicinal Chemistry*, **2006**, 49, 2363-6	8.3	119
110	Spatial conformation and topography of the tyrosine aromatic ring in substrate recognition by protein tyrosine kinases. *Journal of Medicinal Chemistry*, **2006**, 49, 1916-24	8.3	8
109	Discrimination between the activity of protein kinase CK2 holoenzyme and its catalytic subunits. *FEBS Letters*, **2006**, 580, 3948-52	3.8	38
108	Sic1 is phosphorylated by CK2 on Ser201 in budding yeast cells. *Biochemical and Biophysical Research Communications*, **2006**, 346, 786-93	3.4	22
107	Multiple myeloma cell survival relies on high activity of protein kinase CK2. *Blood*, **2006**, 108, 1698-707	2.2	113
106	Chemical derivatization of phosphoserine and phosphothreonine containing peptides to increase sensitivity for MALDI-based analysis and for selectivity of MS/MS analysis. *Proteomics*, **2006**, 6, 757-66	4.8	57
105	1954-2006: the long march of protein kinase CK2. *FASEB Journal*, **2006**, 20, A499	0.9	
104	CK2 regulates in vitro the activity of the yeast cyclin-dependent kinase inhibitor Sic1. *Biochemical and Biophysical Research Communications*, **2005**, 336, 1040-8	3.4	14

103	Aurora-A site specificity: a study with synthetic peptide substrates. *Biochemical Journal*, **2005**, 390, 293-302	3.8	98
102	Generation of protein kinase Ck1alpha mutants which discriminate between canonical and non-canonical substrates. *Biochemical Journal*, **2005**, 391, 417-24	3.8	24
101	Inspecting the structure-activity relationship of protein kinase CK2 inhibitors derived from tetrabromo-benzimidazole. *Chemistry and Biology*, **2005**, 12, 1211-9		104
100	Features and potentials of ATP-site directed CK2 inhibitors. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2005**, 1754, 263-70	4	57
99	Extracellular phosphorylation of C9 by protein kinase CK2 regulates complement-mediated lysis. *European Journal of Immunology*, **2005**, 35, 1939-48	6.1	32
98	Development and exploitation of CK2 inhibitors. *Molecular and Cellular Biochemistry*, **2005**, 274, 69-76	4.2	83
97	Cross talk between protein kinase CK2 and eukaryotic translation initiation factor eIF2beta subunit. *Molecular and Cellular Biochemistry*, **2005**, 274, 53-61	4.2	5
96	Autophosphorylation at the regulatory beta subunit reflects the supramolecular organization of protein kinase CK2. *Molecular and Cellular Biochemistry*, **2005**, 274, 23-9	4.2	33
95	Involvement of protein kinase CK2 in angiogenesis and retinal neovascularization. *Investigative Ophthalmology and Visual Science*, **2004**, 45, 4583-91		68
94	Phosphorylation by protein kinase CK2 changes the DNA binding properties of the human chromatin protein DEK. *Molecular and Cellular Biology*, **2004**, 24, 6011-20	4.8	79
93	Phosphorylation of calmodulin fragments by protein kinase CK2. Mechanistic aspects and structural consequences. *Biochemistry*, **2004**, 43, 12788-98	3.2	28
92	Optimization of protein kinase CK2 inhibitors derived from 4,5,6,7-tetrabromobenzimidazole. *Journal of Medicinal Chemistry*, **2004**, 47, 6239-47	8.3	151
91	Protein kinase CK2 phosphorylates the cell cycle regulatory protein Geminin. *Biochemical and Biophysical Research Communications*, **2004**, 315, 1011-7	3.4	22
90	2-Dimethylamino-4,5,6,7-tetrabromo-1H-benzimidazole: a novel powerful and selective inhibitor of protein kinase CK2. *Biochemical and Biophysical Research Communications*, **2004**, 321, 1040-4	3.4	160
89	Protein kinase CK2 phosphorylates BAD at threonine-117. *Neurochemistry International*, **2004**, 45, 747-52	4.4	23
88	The protein kinase CK2 facilitates repair of chromosomal DNA single-strand breaks. *Cell*, **2004**, 117, 17-28	26.2	275
87	Inhibition of protein kinase CK2 by condensed polyphenolic derivatives. An in vitro and in vivo study. *Biochemistry*, **2004**, 43, 12931-6	3.2	82
86	Analysis of the interaction between piD261/Bud32, an evolutionarily conserved protein kinase of Saccharomyces cerevisiae, and the Grx4 glutaredoxin. *Biochemical Journal*, **2004**, 377, 395-405	3.8	55

85	Multiple Myeloma Cells Survival and Proliferation Rely on High Levels and Activity of the Serine-Threonine Kinase CK2.. *Blood*, **2004**, 104, 643-643	2.2	1
84	Inhibition of protein kinase CK2 by anthraquinone-related compounds. A structural insight. *Journal of Biological Chemistry*, **2003**, 278, 1831-6	5.4	65
83	Tyrosine phosphorylation of protein kinase CK2 by Src-related tyrosine kinases correlates with increased catalytic activity. *Biochemical Journal*, **2003**, 372, 841-9	3.8	42
82	Eukaryotic translation-initiation factor eIF2beta binds to protein kinase CK2: effects on CK2alpha activity. *Biochemical Journal*, **2003**, 375, 623-31	3.8	29
81	Conformational constraints of tyrosine in protein tyrosine kinase substrates: Information about preferred bioactive side-chain orientation. *Biopolymers*, **2003**, 71, 478-88	2.2	10
80	The raison d'ĕtre of constitutively active protein kinases: the lesson of CK2. *Accounts of Chemical Research*, **2003**, 36, 378-84	24.3	92
79	Functional homology between yeast piD261/Bud32 and human PRPK: both phosphorylate p53 and PRPK partially complements piD261/Bud32 deficiency. *FEBS Letters*, **2003**, 549, 63-6	3.8	30
78	One-thousand-and-one substrates of protein kinase CK2?. *FASEB Journal*, **2003**, 17, 349-68	0.9	1067
77	Biochemical and three-dimensional-structural study of the specific inhibition of protein kinase CK2 by [5-oxo-5,6-dihydroindolo-(1,2-a)quinazolin-7-yl]acetic acid (IQA). *Biochemical Journal*, **2003**, 374, 639-46	3.8	127
76	A noncanonical sequence phosphorylated by casein kinase 1 in beta-catenin may play a role in casein kinase 1 targeting of important signaling proteins. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 10193-200	11.5	100
75	CK2-dependent phosphorylation of the E2 ubiquitin conjugating enzyme UBC3B induces its interaction with beta-TrCP and enhances beta-catenin degradation. *Oncogene*, **2002**, 21, 3978-87	9.2	46
74	Multiple phosphorylation of alpha-synuclein by protein tyrosine kinase Syk prevents eosin-induced aggregation. *FASEB Journal*, **2002**, 16, 210-2	0.9	79
73	Structure-function analysis of yeast piD261/Bud32, an atypical protein kinase essential for normal cell life. *Biochemical Journal*, **2002**, 364, 457-63	3.8	35
72	Protein kinase CK2 inhibitor 4,5,6,7-tetrabromobenzotriazole (TBB) induces apoptosis and caspase-dependent degradation of haematopoietic lineage cell-specific protein 1 (HS1) in Jurkat cells. *Biochemical Journal*, **2002**, 364, 41-7	3.8	200
71	Protein kinase CK2: a challenge to canons. *Journal of Cell Science*, **2002**, 115, 3873-8	5.3	382
70	Unique activation mechanism of protein kinase CK2. The N-terminal segment is essential for constitutive activity of the catalytic subunit but not of the holoenzyme. *Journal of Biological Chemistry*, **2002**, 277, 22509-14	5.4	59
69	Acidophilic character of yeast PID261/BUD32, a putative ancestor of eukaryotic protein kinases. *Biochemical and Biophysical Research Communications*, **2002**, 296, 1366-71	3.4	12
68	Specific monitoring of Syk protein kinase activity by peptide substrates including constrained analogs of tyrosine. *FEBS Letters*, **2002**, 523, 48-52	3.8	10

67	Structural features underlying selective inhibition of protein kinase CK2 by ATP site-directed tetrabromo-2-benzotriazole. *Protein Science*, **2001**, 10, 2200-6	6.3	114
66	Autocatalytic tyrosine-phosphorylation of protein kinase CK2 □and □subunits: implication of Tyr182. *Biochemical Journal*, **2001**, 357, 563-567	3.8	33
65	Selectivity of 4,5,6,7-tetrabromobenzotriazole, an ATP site-directed inhibitor of protein kinase CK2 ('casein kinase-2'). *FEBS Letters*, **2001**, 496, 44-8	3.8	290
64	Novel consensus sequence for the Golgi apparatus casein kinase, revealed using proline-rich protein-1 (PRP1)-derived peptide substrates. *Biochemical Journal*, **2000**, 351, 765-768	3.8	42
63	Ser/Thr phosphorylation of hematopoietic specific protein 1 (HS1): implication of protein kinase CK2. *FEBS Journal*, **2000**, 267, 3065-72		17
62	The crystal structure of the complex of Zea mays alpha subunit with a fragment of human beta subunit provides the clue to the architecture of protein kinase CK2 holoenzyme. *FEBS Journal*, **2000** , 267, 5184-90		29
61	The replacement of ATP by the competitive inhibitor emodin induces conformational modifications in the catalytic site of protein kinase CK2. *Journal of Biological Chemistry*, **2000**, 275, 29618-22	5.4	124
60	Susceptibility of the prion protein to enzymic phosphorylation. *Biochemical and Biophysical Research Communications*, **2000**, 271, 337-41	3.4	30
59	GRP94 (endoplasmin) co-purifies with and is phosphorylated by Golgi apparatus casein kinase. *FEBS Letters*, **2000**, 471, 151-5	3.8	39
58	Unique features of HIV-1 Rev protein phosphorylation by protein kinase CK2 ('casein kinase-2'). *FEBS Letters*, **2000**, 481, 63-7	3.8	37
57	Synthesis and biological activities of cyclic lactam peptides as substrates for non-receptors PTKs. *International Journal of Peptide Research and Therapeutics*, **1999**, 6, 117-121		
56	Synthesis and biological activities of cyclic lactam peptides as substrates for non-receptors PTKs. *International Journal of Peptide Research and Therapeutics*, **1999**, 6, 117-121		1
55	Hematopoietic lineage cell specific protein 1 associates with and down-regulates protein kinase CK2. *FEBS Letters*, **1999**, 461, 32-6	3.8	25
54	Structural features underlying the unusual mode of calmodulin phosphorylation by protein kinase CK2: A study with synthetic calmodulin fragments. *Biochemical and Biophysical Research Communications*, **1999**, 256, 442-6	3.4	33
53	Linear and cyclic peptides as substrates for Lyn tyrosine kinase. *Journal of Peptide Science*, **1998**, 4, 33-45	2.1	2
52	Protein kinase CK2alpha' is induced by serum as a delayed early gene and cooperates with Ha-ras in fibroblast transformation. *Journal of Biological Chemistry*, **1998**, 273, 21291-7	5.4	103
51	Protein kinase CK2 ("casein kinase-2") and its implication in cell division and proliferation. *Progress in Cell Cycle Research*, **1997**, 3, 77-97		263
50	Mutational analysis of residues implicated in the interaction between protein kinase CK2 and peptide substrates. *Biochemistry*, **1997**, 36, 11717-24	3.2	47

49	Phosphorylation of osteopontin by Golgi apparatus casein kinase. *Biochemical and Biophysical Research Communications*, **1997**, 240, 602-5	3.4	65
48	Biochemical evidence that Saccharomyces cerevisiae YGR262c gene, required for normal growth, encodes a novel Ser/Thr-specific protein kinase. *FEBS Letters*, **1997**, 414, 171-5	3.8	33
47	Rat liver Golgi apparatus contains a protein kinase similar to the casein kinase of lactating mammary gland. *FEBS Journal*, **1997**, 243, 719-25		69
46	Sequence specificity of C-terminal Src kinase (CSK)--a comparison with Src-related kinases c-Fgr and Lyn. *FEBS Journal*, **1997**, 246, 433-9		28
45	SH2 domains mediate the sequential phosphorylation of HS1 protein by p72syk and Src-related protein tyrosine kinases. *Biochemistry*, **1996**, 35, 5327-32	3.2	51
44	Golgi apparatus mammary gland casein kinase: monitoring by a specific peptide substrate and definition of specificity determinants. *FEBS Letters*, **1996**, 382, 149-52	3.8	72
43	Phosphorylation of HIV-1 Rev protein: implication of protein kinase CK2 and pro-directed kinases. *Biochemical and Biophysical Research Communications*, **1996**, 226, 547-54	3.4	39
42	How do protein kinases recognize their substrates?. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **1996**, 1314, 191-225	4.9	362
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