

Lorenzo A Pinna

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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	One-thousand-and-one substrates of protein kinase CK2?. <i>FASEB Journal</i> , 2003 , 17, 349-68	0.9	1067
209	Casein kinase 2: an 'eminence grise' in cellular regulation?. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1990 , 1054, 267-84	4.9	807
208	Protein kinase CK2: a challenge to canons. <i>Journal of Cell Science</i> , 2002 , 115, 3873-8	5.3	382
207	How do protein kinases recognize their substrates?. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1996 , 1314, 191-225	4.9	362
206	Selectivity of 4,5,6,7-tetrabromobenzotriazole, an ATP site-directed inhibitor of protein kinase CK2 ('casein kinase-2'). <i>FEBS Letters</i> , 2001 , 496, 44-8	3.8	290
205	The protein kinase CK2 facilitates repair of chromosomal DNA single-strand breaks. <i>Cell</i> , 2004 , 117, 17-28	56.2	275
204	Protein kinase CK2 ("casein kinase-2") and its implication in cell division and proliferation. <i>Progress in Cell Cycle Research</i> , 1997 , 3, 77-97		263
203	Addiction to protein kinase CK2: a common denominator of diverse cancer cells?. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010 , 1804, 499-504	4	253
202	Different susceptibility of protein kinases to staurosporine inhibition. Kinetic studies and molecular bases for the resistance of protein kinase CK2. <i>FEBS Journal</i> , 1995 , 234, 317-22		222
201	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. <i>Biochemical Journal</i> , 2002 , 364, 41-7	3.8	200
200	The selectivity of inhibitors of protein kinase CK2: an update. <i>Biochemical Journal</i> , 2008 , 415, 353-65	3.8	193
199	A Single Kinase Generates the Majority of the Secreted Phosphoproteome. <i>Cell</i> , 2015 , 161, 1619-32	56.2	187
198	Site specificity of casein kinase-2 (TS) from rat liver cytosol. A study with model peptide substrates. <i>FEBS Journal</i> , 1986 , 160, 239-44		175
197	2-Dimethylamino-4,5,6,7-tetrabromo-1H-benzimidazole: a novel powerful and selective inhibitor of protein kinase CK2. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 321, 1040-4	3.4	160
196	Optimization of protein kinase CK2 inhibitors derived from 4,5,6,7-tetrabromobenzimidazole. <i>Journal of Medicinal Chemistry</i> , 2004 , 47, 6239-47	8.3	151
195	Casein kinase 2 down-regulation and activation by polybasic peptides are mediated by acidic residues in the 55-64 region of the beta-subunit. A study with calmodulin as phosphorylatable substrate. <i>Biochemistry</i> , 1994 , 33, 4336-42	3.2	149
194	Unprecedented selectivity and structural determinants of a new class of protein kinase CK2 inhibitors in clinical trials for the treatment of cancer. <i>Biochemistry</i> , 2011 , 50, 8478-88	3.2	132

193	Extraordinary pleiotropy of protein kinase CK2 revealed by weblogo phosphoproteome analysis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009 , 1793, 847-59	4.9	128
192	Quinalizarin as a potent, selective and cell-permeable inhibitor of protein kinase CK2. <i>Biochemical Journal</i> , 2009 , 421, 387-95	3.8	127
191	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). <i>Biochemical Journal</i> , 2003 , 374, 639-46	2.8	127
190	The replacement of ATP by the competitive inhibitor emodin induces conformational modifications in the catalytic site of protein kinase CK2. <i>Journal of Biological Chemistry</i> , 2000 , 275, 29618-22	5.4	124
189	Restoration of CFTR function in patients with cystic fibrosis carrying the F508del-CFTR mutation. <i>Autophagy</i> , 2014 , 10, 2053-74	10.2	119
188	Identification of ellagic acid as potent inhibitor of protein kinase CK2: a successful example of a virtual screening application. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 2363-6	8.3	119
187	Structural features underlying selective inhibition of protein kinase CK2 by ATP site-directed tetrabromo-2-benzotriazole. <i>Protein Science</i> , 2001 , 10, 2200-6	6.3	114
186	Multiple myeloma cell survival relies on high activity of protein kinase CK2. <i>Blood</i> , 2006 , 108, 1698-707	2.2	113
185	Coumarin as attractive casein kinase 2 (CK2) inhibitor scaffold: an integrate approach to elucidate the putative binding motif and explain structure-activity relationships. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 752-9	8.3	109
184	Inhibition of protein kinase CK2 by flavonoids and tyrphostins. A structural insight. <i>Biochemistry</i> , 2012 , 51, 6097-107	3.2	105
183	Tetrabromocinnamic acid (TBICA) and related compounds represent a new class of specific protein kinase CK2 inhibitors. <i>ChemBioChem</i> , 2007 , 8, 129-39	3.8	104
182	Inspecting the structure-activity relationship of protein kinase CK2 inhibitors derived from tetrabromo-benzimidazole. <i>Chemistry and Biology</i> , 2005 , 12, 1211-9		104
181	Protein kinase CK2alpha' is induced by serum as a delayed early gene and cooperates with Ha-ras in fibroblast transformation. <i>Journal of Biological Chemistry</i> , 1998 , 273, 21291-7	5.4	103
180	A noncanonical sequence phosphorylated by casein kinase 1 in beta-catenin may play a role in casein kinase 1 targeting of important signaling proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 10193-200	11.5	100
179	Protein kinase CK2 as a druggable target. <i>Molecular BioSystems</i> , 2008 , 4, 889-94		98
178	Aurora-A site specificity: a study with synthetic peptide substrates. <i>Biochemical Journal</i> , 2005 , 390, 293-302	3.2	98
177	Ribofuranosyl-benzimidazole derivatives as inhibitors of casein kinase-2 and casein kinase-1. <i>FEBS Journal</i> , 1990 , 187, 89-94		95
176	Secreted protein kinases. <i>Trends in Biochemical Sciences</i> , 2013 , 38, 121-30	10.3	94

175	The raison d'être of constitutively active protein kinases: the lesson of CK2. <i>Accounts of Chemical Research</i> , 2003 , 36, 378-84	24.3	92
174	The ATP-binding site of protein kinase CK2 holds a positive electrostatic area and conserved water molecules. <i>ChemBioChem</i> , 2007 , 8, 1804-9	3.8	86
173	Subunit structure and autophosphorylation mechanism of casein kinase-TS (type-2) from rat liver cytosol. <i>FEBS Journal</i> , 1984 , 145, 593-9		86
172	Development and exploitation of CK2 inhibitors. <i>Molecular and Cellular Biochemistry</i> , 2005 , 274, 69-76	4.2	83
171	Inhibition of protein kinase CK2 by condensed polyphenolic derivatives. An in vitro and in vivo study. <i>Biochemistry</i> , 2004 , 43, 12931-6	3.2	82
170	Phosphorylation by protein kinase CK2 changes the DNA binding properties of the human chromatin protein DEK. <i>Molecular and Cellular Biology</i> , 2004 , 24, 6011-20	4.8	79
169	Multiple phosphorylation of alpha-synuclein by protein tyrosine kinase Syk prevents eosin-induced aggregation. <i>FASEB Journal</i> , 2002 , 16, 210-2	0.9	79
168	Casein kinase: the triple meaning of a misnomer. <i>Biochemical Journal</i> , 2014 , 460, 141-56	3.8	76
167	Golgi apparatus mammary gland casein kinase: monitoring by a specific peptide substrate and definition of specificity determinants. <i>FEBS Letters</i> , 1996 , 382, 149-52	3.8	72
166	Phosphorylated synthetic peptides as tools for studying protein phosphatases. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1994 , 1222, 415-31	4.9	71
165	Rat liver Golgi apparatus contains a protein kinase similar to the casein kinase of lactating mammary gland. <i>FEBS Journal</i> , 1997 , 243, 719-25		69
164	The consensus sequences for cdc2 kinase and for casein kinase-2 are mutually incompatible. A study with peptides derived from the beta-subunit of casein kinase-2. <i>FEBS Letters</i> , 1992 , 301, 111-4	3.8	69
163	Involvement of protein kinase CK2 in angiogenesis and retinal neovascularization. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 4583-91		68
162	Site specificity of p72syk protein tyrosine kinase: efficient phosphorylation of motifs recognized by Src homology 2 domains of the Src family. <i>FEBS Letters</i> , 1995 , 367, 149-52	3.8	66
161	Phosphorylation of osteopontin by Golgi apparatus casein kinase. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 240, 602-5	3.4	65
160	Inhibition of protein kinase CK2 by anthraquinone-related compounds. A structural insight. <i>Journal of Biological Chemistry</i> , 2003 , 278, 1831-6	5.4	65
159	Autophosphorylation of type 2 casein kinase TS at both its alpha- and beta-subunits. Influence of different effectors. <i>FEBS Letters</i> , 1983 , 160, 203-8	3.8	62
158	Casein kinase-2 structure-function relationship: creation of a set of mutants of the beta subunit that variably surrogate the wildtype beta subunit function. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 188, 228-34	3.4	61

157	Casein kinases as potential therapeutic targets. <i>Expert Opinion on Therapeutic Targets</i> , 2016 , 20, 319-40	6.4	59
156	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. <i>Journal of Biological Chemistry</i> , 2002 , 277, 22509-14	5.4	59
155	Chemical derivatization of phosphoserine and phosphothreonine containing peptides to increase sensitivity for MALDI-based analysis and for selectivity of MS/MS analysis. <i>Proteomics</i> , 2006 , 6, 757-66	4.8	57
154	Features and potentials of ATP-site directed CK2 inhibitors. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2005 , 1754, 263-70	4	57
153	Protein kinase CK2 inhibitors: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , 2012 , 22, 1081-97	6.8	56
152	Protein kinase CK2 in health and disease: Protein kinase CK2: an ugly duckling in the kinome pond. <i>Cellular and Molecular Life Sciences</i> , 2009 , 66, 1795-9	10.3	56
151	Analysis of the interaction between piD261/Bud32, an evolutionarily conserved protein kinase of <i>Saccharomyces cerevisiae</i> , and the Grx4 glutaredoxin. <i>Biochemical Journal</i> , 2004 , 377, 395-405	3.8	55
150	Dephosphorylation and inactivation of Akt/PKB is counteracted by protein kinase CK2 in HEK 293T cells. <i>Cellular and Molecular Life Sciences</i> , 2009 , 66, 3363-73	10.3	52
149	SH2 domains mediate the sequential phosphorylation of HS1 protein by p72syk and Src-related protein tyrosine kinases. <i>Biochemistry</i> , 1996 , 35, 5327-32	3.2	51
148	Role of phosphorylated aminoacyl residues in generating atypical consensus sequences which are recognized by casein kinase-2 but not by casein kinase-1. <i>Biochemistry</i> , 1992 , 31, 5893-7	3.2	51
147	Tetraiodobenzimidazoles are potent inhibitors of protein kinase CK2. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 7281-9	3.4	50
146	Structural determinants of protein kinase CK2 regulation by autoinhibitory polymerization. <i>ACS Chemical Biology</i> , 2012 , 7, 1158-63	4.9	47
145	Mutational analysis of residues implicated in the interaction between protein kinase CK2 and peptide substrates. <i>Biochemistry</i> , 1997 , 36, 11717-24	3.2	47
144	CK2-dependent phosphorylation of the E2 ubiquitin conjugating enzyme UBC3B induces its interaction with beta-TrCP and enhances beta-catenin degradation. <i>Oncogene</i> , 2002 , 21, 3978-87	9.2	46
143	Substrate-specificity determinants for a membrane-bound casein kinase of lactating mammary gland. A study with synthetic peptides. <i>FEBS Journal</i> , 1988 , 177, 281-4		46
142	Phosphorylation of rat heart ornithine decarboxylase by type-2 casein kinase. <i>Biochemical and Biophysical Research Communications</i> , 1984 , 122, 997-1004	3.4	44
141	Tyrosine phosphorylation of protein kinase CK2 by Src-related tyrosine kinases correlates with increased catalytic activity. <i>Biochemical Journal</i> , 2003 , 372, 841-9	3.8	42
140	Novel consensus sequence for the Golgi apparatus casein kinase, revealed using proline-rich protein-1 (PRP1)-derived peptide substrates. <i>Biochemical Journal</i> , 2000 , 351, 765-768	3.8	42

139	Urolithin as a converging scaffold linking ellagic acid and coumarin analogues: design of potent protein kinase CK2 inhibitors. <i>ChemMedChem</i> , 2011 , 6, 2273-86	3.7	41
138	A structural insight into CK2 inhibition. <i>Molecular and Cellular Biochemistry</i> , 2008 , 316, 57-62	4.2	40
137	Effects of the CK2 inhibitors CX-4945 and CX-5011 on drug-resistant cells. <i>PLoS ONE</i> , 2012 , 7, e49193	3.7	39
136	GRP94 (endoplasmin) co-purifies with and is phosphorylated by Golgi apparatus casein kinase. <i>FEBS Letters</i> , 2000 , 471, 151-5	3.8	39
135	Phosphorylation of HIV-1 Rev protein: implication of protein kinase CK2 and pro-directed kinases. <i>Biochemical and Biophysical Research Communications</i> , 1996 , 226, 547-54	3.4	39
134	Synthetic fragments of beta-casein as model substrates for liver and mammary gland casein kinases. <i>FEBS Journal</i> , 1989 , 186, 459-64		39
133	Discrimination between the activity of protein kinase CK2 holoenzyme and its catalytic subunits. <i>FEBS Letters</i> , 2006 , 580, 3948-52	3.8	38
132	Isolation from spleen of a 57-kDa protein substrate of the tyrosine kinase Lyn. Identification as a protein related to protein disulfide-isomerase and localisation of the phosphorylation sites. <i>FEBS Journal</i> , 1996 , 235, 18-25		38
131	Modulation of protein kinase CK2 activity by fragments of CFTR encompassing F508 may reflect functional links with cystic fibrosis pathogenesis. <i>Biochemistry</i> , 2008 , 47, 7925-36	3.2	37
130	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. <i>Biochemistry</i> , 2008 , 47, 8317-25	3.2	37
129	Unique features of HIV-1 Rev protein phosphorylation by protein kinase CK2 ('casein kinase-2'). <i>FEBS Letters</i> , 2000 , 481, 63-7	3.8	37
128	Structure and properties of casein kinase-2 from <i>Saccharomyces cerevisiae</i> . A comparison with the liver enzyme. <i>FEBS Journal</i> , 1986 , 159, 31-8		37
127	Developmental phosphoproteomics identifies the kinase CK2 as a driver of Hedgehog signaling and a therapeutic target in medulloblastoma. <i>Science Signaling</i> , 2018 , 11,	8.8	37
126	Casein kinase 2 (CK2) phosphorylates the deubiquitylase OTUB1 at Ser16 to trigger its nuclear localization. <i>Science Signaling</i> , 2015 , 8, ra35	8.8	36
125	Cell-permeable dual inhibitors of protein kinases CK2 and PIM-1: structural features and pharmacological potential. <i>Cellular and Molecular Life Sciences</i> , 2014 , 71, 3173-85	10.3	36
124	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. <i>Journal of Hematology and Oncology</i> , 2013 , 6, 78	22.4	35
123	Motif analysis of phosphosites discloses a potential prominent role of the Golgi casein kinase (GCK) in the generation of human plasma phospho-proteome. <i>Journal of Proteome Research</i> , 2010 , 9, 3335-8	5.6	35
122	Structure-function analysis of yeast piD261/Bud32, an atypical protein kinase essential for normal cell life. <i>Biochemical Journal</i> , 2002 , 364, 457-63	3.8	35

121	Assessment of CK2 constitutive activity in cancer cells. <i>Methods in Enzymology</i> , 2010 , 484, 495-514	1.7	34
120	Identification of novel protein kinase CK1 delta (CK1delta) inhibitors through structure-based virtual screening. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 5672-5	2.9	34
119	Chemical dissection of the APC Repeat 3 multistep phosphorylation by the concerted action of protein kinases CK1 and GSK3. <i>Biochemistry</i> , 2007 , 46, 11902-10	3.2	34
118	Biochemical evidence that <i>Saccharomyces cerevisiae</i> YGR262c gene, required for normal growth, encodes a novel Ser/Thr-specific protein kinase. <i>FEBS Letters</i> , 1997 , 414, 171-5	3.8	33
117	Autophosphorylation at the regulatory beta subunit reflects the supramolecular organization of protein kinase CK2. <i>Molecular and Cellular Biochemistry</i> , 2005 , 274, 23-9	4.2	33
116	Autocatalytic tyrosine-phosphorylation of protein kinase CK2 α and β subunits: implication of Tyr182. <i>Biochemical Journal</i> , 2001 , 357, 563-567	3.8	33
115	Structural features underlying the unusual mode of calmodulin phosphorylation by protein kinase CK2: A study with synthetic calmodulin fragments. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 256, 442-6	3.4	33
114	Isolation and identification of two proto-oncogene products related to c-fgr and fyn in a tyrosine-protein-kinase fraction of rat spleen. <i>FEBS Journal</i> , 1993 , 216, 323-7		33
113	Extracellular phosphorylation of C9 by protein kinase CK2 regulates complement-mediated lysis. <i>European Journal of Immunology</i> , 2005 , 35, 1939-48	6.1	32
112	Spleen protein tyrosine kinases TPK-IIB and CSK display different immunoreactivity and opposite specificities toward c-src-derived peptides. <i>FEBS Letters</i> , 1992 , 313, 291-4	3.8	32
111	Nanoencapsulated anti-CK2 small molecule drug or siRNA specifically targets malignant cancer but not benign cells. <i>Cancer Letters</i> , 2012 , 315, 48-58	9.9	31
110	Re-evaluation of protein kinase CK2 pleiotropy: new insights provided by a phosphoproteomics analysis of CK2 knockout cells. <i>Cellular and Molecular Life Sciences</i> , 2018 , 75, 2011-2026	10.3	31
109	Aberrant signalling by protein kinase CK2 in imatinib-resistant chronic myeloid leukaemia cells: biochemical evidence and therapeutic perspectives. <i>Molecular Oncology</i> , 2013 , 7, 1103-15	7.9	30
108	Mass spectrometry analysis of a protein kinase CK2beta subunit interactome isolated from mouse brain by affinity chromatography. <i>Journal of Proteome Research</i> , 2008 , 7, 990-1000	5.6	30
107	Functional homology between yeast piD261/Bud32 and human PRPK: both phosphorylate p53 and PRPK partially complements piD261/Bud32 deficiency. <i>FEBS Letters</i> , 2003 , 549, 63-6	3.8	30
106	Susceptibility of the prion protein to enzymic phosphorylation. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 271, 337-41	3.4	30
105	Detection of phospho-sites generated by protein kinase CK2 in CFTR: mechanistic aspects of Thr1471 phosphorylation. <i>PLoS ONE</i> , 2013 , 8, e74232	3.7	30
104	Generation and quantitative proteomics analysis of CK2 β cells. <i>Scientific Reports</i> , 2017 , 7, 42409	4.9	29

103	A chemogenomic screening identifies CK2 as a target for pro-senescence therapy in PTEN-deficient tumours. <i>Nature Communications</i> , 2015 , 6, 7227	17.4	29
102	Eukaryotic translation-initiation factor eIF2beta binds to protein kinase CK2: effects on CK2alpha activity. <i>Biochemical Journal</i> , 2003 , 375, 623-31	3.8	29
101	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. <i>FEBS Journal</i> , 2000 , 267, 5184-90		29
100	Altered protein kinase activities of lymphoid cells transformed by Abelson and Moloney leukemia viruses. <i>FEBS Letters</i> , 1986 , 206, 59-63	3.8	29
99	Sequence specificity of C-terminal Src kinase (CSK)--a comparison with Src-related kinases c-Fgr and Lyn. <i>FEBS Journal</i> , 1997 , 246, 433-9		28
98	Phosphorylation of calmodulin fragments by protein kinase CK2. Mechanistic aspects and structural consequences. <i>Biochemistry</i> , 2004 , 43, 12788-98	3.2	28
97	Comparative analysis of CK2 expression and function in tumor cell lines displaying sensitivity vs. resistance to chemical induced apoptosis. <i>Molecular and Cellular Biochemistry</i> , 2008 , 316, 155-61	4.2	27
96	Phosphorylation and activation of protein kinase CK2 by p34cdc2 are independent events. <i>FEBS Journal</i> , 1995 , 230, 1025-31		27
95	Isoform specific phosphorylation of p53 by protein kinase CK1. <i>Cellular and Molecular Life Sciences</i> , 2010 , 67, 1105-18	10.3	26
94	Phosphotyrosine as a specificity determinant for casein kinase-2, a growth related Ser/Thr-specific protein kinase. <i>FEBS Letters</i> , 1991 , 279, 307-9	3.8	26
93	Superiority of PLK-2 as Eynuclein phosphorylating agent relies on unique specificity determinants. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 418, 156-60	3.4	25
92	Efficient Fmoc/solid-phase peptide synthesis of O-phosphotyrosyl-containing peptides and their use as phosphatase substrates. <i>International Journal of Peptide and Protein Research</i> , 1994 , 43, 39-46		25
91	Programmed cell death protein 5 (PDCD5) is phosphorylated by CK2 in vitro and in 293T cells. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 387, 606-10	3.4	25
90	Hematopoietic lineage cell specific protein 1 associates with and down-regulates protein kinase CK2. <i>FEBS Letters</i> , 1999 , 461, 32-6	3.8	25
89	Structural features underlying the selectivity of the kinase inhibitors NBC and dNBC: role of a nitro group that discriminates between CK2 and DYRK1A. <i>Cellular and Molecular Life Sciences</i> , 2012 , 69, 449-60	10.3	24
88	Exploring the CK2 Paradox: Restless, Dangerous, Dispensable. <i>Pharmaceuticals</i> , 2017 , 10,	5.2	24
87	Design, validation and efficacy of bisubstrate inhibitors specifically affecting ecto-CK2 kinase activity. <i>Biochemical Journal</i> , 2015 , 471, 415-30	3.8	24
86	Generation of protein kinase Ck1alpha mutants which discriminate between canonical and non-canonical substrates. <i>Biochemical Journal</i> , 2005 , 391, 417-24	3.8	24

85	Protein kinase CK2 phosphorylates BAD at threonine-117. <i>Neurochemistry International</i> , 2004 , 45, 747-52.	4.4	23
84	Differential phosphorylation of Akt1 and Akt2 by protein kinase CK2 may account for isoform specific functions. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014 , 1843, 1865-74	4.9	22
83	Cystic fibrosis transmembrane regulator fragments with the Phe508 deletion exert a dual allosteric control over the master kinase CK2. <i>Biochemical Journal</i> , 2010 , 426, 19-29	3.8	22
82	Golgi apparatus casein kinase phosphorylates bioactive Ser-6 of bone morphogenetic protein 15 and growth and differentiation factor 9. <i>FEBS Letters</i> , 2010 , 584, 801-5	3.8	22
81	Sic1 is phosphorylated by CK2 on Ser201 in budding yeast cells. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 346, 786-93	3.4	22
80	Protein kinase CK2 phosphorylates the cell cycle regulatory protein Geminin. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 315, 1011-7	3.4	22
79	Phosphorylation and activation of the atypical kinase p53-related protein kinase (PRPK) by Akt/PKB. <i>Cellular and Molecular Life Sciences</i> , 2007 , 64, 2680-9	10.3	21
78	Targeting Protein Kinase CK2: Evaluating CX-4945 Potential for GL261 Glioblastoma Therapy in Immunocompetent Mice. <i>Pharmaceuticals</i> , 2017 , 10,	5.2	20
77	Protein kinase CK2 accumulation in "oncophilic" cells: causes and effects. <i>Molecular and Cellular Biochemistry</i> , 2011 , 356, 5-10	4.2	19
76	From phosphoproteins to phosphoproteomes: a historical account. <i>FEBS Journal</i> , 2017 , 284, 1936-1951	5.7	18
75	The generation of phosphoserine stretches in phosphoproteins: mechanism and significance. <i>Molecular BioSystems</i> , 2015 , 11, 2666-79		18
74	The Selectivity of CK2 Inhibitor Quinalizarin: A Reevaluation. <i>BioMed Research International</i> , 2015 , 2015, 734127	3	18
73	Variable contribution of protein kinases to the generation of the human phosphoproteome: a global weblogo analysis. <i>Biomolecular Concepts</i> , 2010 , 1, 185-95	3.7	17
72	Ser/Thr phosphorylation of hematopoietic specific protein 1 (HS1): implication of protein kinase CK2. <i>FEBS Journal</i> , 2000 , 267, 3065-72		17
71	Synthesis and properties of a selective inhibitor of homeodomain-interacting protein kinase 2 (HIPK2). <i>PLoS ONE</i> , 2014 , 9, e89176	3.7	17
70	The pleiotropic protein kinase CK2 phosphorylates HTLV-1 Tax protein in vitro, targeting its PDZ-binding motif. <i>Virus Genes</i> , 2010 , 41, 149-57	2.3	16
69	A Journey through the Cytoskeleton with Protein Kinase CK2. <i>Current Protein and Peptide Science</i> , 2019 , 20, 547-562	2.8	15
68	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. <i>Amino Acids</i> , 2013 , 45, 1423-9	3.5	15

67	Exploiting the repertoire of CK2 inhibitors to target DYRK and PIM kinases. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013 , 1834, 1402-9	4	15
66	Phosphorylation of the <i>Saccharomyces cerevisiae</i> Grx4p glutaredoxin by the Bud32p kinase unveils a novel signaling pathway involving Sch9p, a yeast member of the Akt / PKB subfamily. <i>FEBS Journal</i> , 2008 , 275, 5919-33	5.7	14
65	Heterogeneity of CK2 phosphorylation sites in the NS5A protein of different hepatitis C virus genotypes. <i>Journal of Hepatology</i> , 2007 , 47, 768-76	13.4	14
64	CK2 regulates in vitro the activity of the yeast cyclin-dependent kinase inhibitor Sic1. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 336, 1040-8	3.4	14
63	Inhibition of protein kinase CK2 by CX-5011 counteracts imatinib-resistance preventing rpS6 phosphorylation in chronic myeloid leukaemia cells: new combined therapeutic strategies. <i>Oncotarget</i> , 2016 , 7, 18204-18	3.3	14
62	CFTR mutations altering CFTR fragmentation. <i>Biochemical Journal</i> , 2013 , 449, 295-305	3.8	13
61	Linear and cyclic synthetic peptides related to the main autophosphorylation site of the Src tyrosine kinases as substrates and inhibitors of Lyn. <i>International Journal of Peptide and Protein Research</i> , 1995 , 45, 529-39		13
60	Protein Kinase CK2 Subunits Differentially Perturb the Adhesion and Migration of GN11 Cells: A Model of Immature Migrating Neurons. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	13
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