Lorenzo A Pinna

List of Publications by Year
in descending order

200	13,962	23302	28909
papers	citations	58 h-index	105 g-index

242	242	242	13172
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Oneâ€thousandâ€andâ€one substrates of protein kinase CK2?. FASEB Journal, 2003, 17, 349-368.	0.5	1,220
2	Casein kinase 2: An â€˜eminence griseâ€™ in cellular regulation?. Biochimica Et Biophysica Acta - Molecular Cell Research, 1990, 1054, 267-284.	4.1	907
3	How do protein kinases recognize their substrates?. Biochimica Et Biophysica Acta - Molecular Cell Research, 1996, 1314, 191-225.	4.1	450
4	Protein kinase CK2: a challenge to canons. Journal of Cell Science, 2002, 115, 3873-3878.	2.1	438
5	Protein kinase CK2 (â€œcasein kinase-2â€) and its implication in cell division and proliferation. , 1997, 3, 77-97.		310
6	The Protein Kinase CK2 Facilitates Repair of Chromosomal DNA Single-Strand Breaks. Cell, 2004, 117, 17-28.	27.8	303
7	Addiction to protein kinase CK2: A common denominator of diverse cancer cells?. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 499-504.	2.3	300
8	A Single Kinase Generates the Majority of the Secreted Phosphoproteome. Cell, 2015, 161, 1619-1632.	27.8	274
9	Soluble fms-Like Tyrosine Kinase 1 Is Increased in Preeclampsia But Not in Normotensive Pregnancies with Small-for-Gestational-Age Neonates: Relationship to Circulating Placental Growth Factor. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 4895-4903.	3.6	227
10	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, 41-47.	3.8	213
11	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, 1040-1044.	2.2	175
12	Extraordinary pleiotropy of protein kinase CK2 revealed by weblogo phosphoproteome analysis. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 847-859.	4.1	163
13	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, 8478-8488.	2.6	159
14	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. Biochemistry, 1994, 33, 4336-4342.	2.6	157
15	High-Performance Piezoelectric Crystals, Ceramics, and Films. Annual Review of Materials Research, 2018, 48, 191-217.	9.8	157
16	Quinalizarin as a potent, selective and cell-permeable inhibitor of protein kinase CK2. Biochemical Journal, 2009, 421, 387-395.	3.8	145
17	Structural features underlying selective inhibition of protein kinase CK2 by ATP site-directed tetrabromo-2-benzotriazole. Protein Science, 2008, 10, 2200-2206.	7.8	143
18	Identification of Ellagic Acid as Potent Inhibitor of Protein Kinase CK2:Â A Successful Example of a Virtual Screening Application. Journal of Medicinal Chemistry, 2006, 49, 2363-2366.	6.6	139

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19	The British river of the future: How climate change and human activity might affect two contrasting river ecosystems in England. Science of the Total Environment, 2009, 407, 4787-4798.	8.2	138
20	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, 29618-29622.	3.5	137
21	Restoration of CFTR function in patients with cystic fibrosis carrying the F508del-CFTR mutation. Autophagy, 2014, 10, 2053-2074.	11.0	136
22	Inhibition of Protein Kinase CK2 by Flavonoids and Tyrphostins. A Structural Insight. Biochemistry, 2012, 51, 6097-6107.	2.6	134
23	GRAIL gravity constraints on the vertical and lateral density structure of the lunar crust. Geophysical Research Letters, 2014, 41, 5771-5777.	4.0	130
24	A noncanonical sequence phosphorylated by casein kinase 1 in Â-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, 10193-10200.	7.6	129
25	Coumarin as Attractive Casein Kinase 2 (CK2) Inhibitor Scaffold: An Integrate Approach To Elucidate the Putative Binding Motif and Explain Structureâ€“Activity Relationships. Journal of Medicinal Chemistry, 2008, 51, 752-759.	6.6	126
26	Multiple myeloma cell survival relies on high activity of protein kinase CK2. Blood, 2006, 108, 1698-1707.	1.4	123
27	Protein Kinase CK2Î±â€² Is Induced by Serum as a Delayed Early Gene and Cooperates with Ha-ras in Fibroblast Transformation. Journal of Biological Chemistry, 1998, 273, 21291-21297.	3.5	115
28	Secreted protein kinases. Trends in Biochemical Sciences, 2013, 38, 121-130.	7.5	114
29	Inspecting the Structure-Activity Relationship of Protein Kinase CK2 Inhibitors Derived from Tetrabromo-Benzimidazole. Chemistry and Biology, 2005, 12, 1211-1219.	6.2	110
30	Casein kinase: the triple meaning of a misnomer. Biochemical Journal, 2014, 460, 141-156.	3.8	110
31	Aurora-A site specificity: a study with synthetic peptide substrates. Biochemical Journal, 2005, 390, 293-302.	3.8	107
32	The Raison D'ÃŠtre of Constitutively Active Protein Kinases:â€‰ The Lesson of CK2. Accounts of Chemical Research, 2003, 36, 378-384.	16.6	100
33	The ATPâ€Binding Site of Protein Kinase CK2 Holds a Positive Electrostatic Area and Conserved Water Molecules. ChemBioChem, 2007, 8, 1804-1809.	2.8	100
34	Multiple phosphorylation of Î±â€synuclein by protein tyrosine kinase Syk prevents eosinâ€induced aggregation. FASEB Journal, 2002, 16, 1-22.	0.5	99
35	Phosphorylation by Protein Kinase CK2 Changes the DNA Binding Properties of the Human Chromatin Protein DEK. Molecular and Cellular Biology, 2004, 24, 6011-6020.	2.5	93
36	Development and exploitation of CK2 inhibitors. Molecular and Cellular Biochemistry, 2005, 274, 69-76.	3.1	88

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37	Phosphorylated synthetic peptides as tools for studying protein phosphatases. Biochimica Et Biophysica Acta - Molecular Cell Research, 1994, 1222, 415-431.	4.1	78
38	Formation of Prostaglandins E2 and D2 via the Isoprostane Pathway. Journal of Biological Chemistry, 2003, 278, 28479-28489.	3.5	78
39	Unique Activation Mechanism of Protein Kinase CK2. Journal of Biological Chemistry, 2002, 277, 22509-22514.	3.5	77
40	Inhibition of Protein Kinase CK2 by Anthraquinone-related Compounds. Journal of Biological Chemistry, 2003, 278, 1831-1836.	3.5	76
41	Involvement of Protein Kinase CK2 in Angiogenesis and Retinal Neovascularization. , 2004, 45, 4583.		73
42	Casein kinases as potential therapeutic targets. Expert Opinion on Therapeutic Targets, 2016, 20, 319-340.	3.5	73
43	Phosphorylation of Osteopontin by Golgi Apparatus Casein Kinase. Biochemical and Biophysical Research Communications, 1997, 240, 602-605.	2.2	70
44	Features and potentials of ATP-site directed CK2 inhibitors. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2005, 1754, 263-270.	2.3	70
45	Protein kinase CK2 inhibitors: a patent review. Expert Opinion on Therapeutic Patents, 2012, 22, 1081-1097.	5.1	68
46	Casein kinase-2 structure-function relationship: Creation of a set of mutants of the Î² subunit that variably surrogate the wildtype Î² subunit function. Biochemical and Biophysical Research Communications, 1992, 188, 228-234.	2.2	67
47	Spectroscopic Imaging of Laser-Induced Plasma. Analytical Chemistry, 1996, 68, 2966-2973.	6.8	67
48	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, 757-766.	3.0	61
49	Developmental phosphoproteomics identifies the kinase CK2 as a driver of Hedgehog signaling and a therapeutic target in medulloblastoma. Science Signaling, 2018, 11, .	5.1	61
50	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	60
51	Dephosphorylation and inactivation of Akt/PKB is counteracted by protein kinase CK2 in HEK 293T cells. Cellular and Molecular Life Sciences, 2009, 66, 3363-3373.	5.5	60
52	Tetraiodobenzimidazoles are potent inhibitors of protein kinase CK2. Bioorganic and Medicinal Chemistry, 2009, 17, 7281-7289.	3.1	59
53	Structural Determinants of Protein Kinase CK2 Regulation by Autoinhibitory Polymerization. ACS Chemical Biology, 2012, 7, 1158-1163.	3.6	59
54	Casein kinase 2 (CK2) phosphorylates the deubiquitylase OTUB1 at Ser ¹⁶ to trigger its nuclear localization. Science Signaling, 2015, 8, ra35.	5.1	58

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55	Mutational Analysis of Residues Implicated in the Interaction between Protein Kinase CK2 and Peptide Substratesâ€. Biochemistry, 1997, 36, 11717-11724.	2.6	55
56	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.	5.5	53
57	Role of phosphorylated aminoacyl residues in generating atypical consensus sequences which are recognized by casein kinase-2 but not by casein kinase-1. Biochemistry, 1992, 31, 5893-5897.	2.6	52
58	Cutaneous immunological activation elicited by a low-fluence pulsed dye laser. British Journal of Dermatology, 2005, 153, 57-62.	1.7	51
59	Effects of the CK2 Inhibitors CX-4945 and CX-5011 on Drug-Resistant Cells. PLoS ONE, 2012, 7, e49193.	2.5	51
60	CK2-dependent phosphorylation of the E2 ubiquitin conjugating enzyme UBC3B induces its interaction with Î²-TrCP and enhances Î²-catenin degradation. Oncogene, 2002, 21, 3978-3987.	5.9	50
61	Phosphorylation of HIV-1 Rev Protein: Implication of Protein Kinase CK2 and Pro-Directed Kinases. Biochemical and Biophysical Research Communications, 1996, 226, 547-554.	2.2	48
62	Urolithin as a Converging Scaffold Linking Ellagic acid and Coumarin Analogues: Design of Potent Protein Kinase CK2 Inhibitors. ChemMedChem, 2011, 6, 2273-2286.	3.4	48
63	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.	17.6	47
64	Phosphorylation of rat heart ornithine decarâ˜ylase by type-2 casein kinase. Biochemical and Biophysical Research Communications, 1984, 122, 997-1004.	2.2	46
65	A structural insight into CK2 inhibition. Molecular and Cellular Biochemistry, 2008, 316, 57-62.	3.1	44
66	Understanding Stack Overflow Code Fragments. , 2017, , .		44
67	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
68	Identification of novel protein kinase CK1 delta (CK1Î´) inhibitors through structure-based virtual screening. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 5672-5675.	2.3	42
69	Generation and quantitative proteomics analysis of CK2Î±/Î±â€™(â^’/â^’) cells. Scientific Reports, 2017, 7, 42409.	3.4	42
70	The Regulatory Î² Subunit of Protein Kinase CK2 Contributes to the Recognition of the Substrate Consensus Sequence. A Study with an eIF2Î²-Derived Peptide. Biochemistry, 2008, 47, 8317-8325.	2.6	41
71	Exploring the CK2 Paradox: Restless, Dangerous, Dispensable. Pharmaceuticals, 2017, 10, 11.	3.9	41
72	Porous Nanocomposite Comprising Ultralong Hydroxyapatite Nanowires Decorated with Zincâ€Containing Nanoparticles and Chitosan: Synthesis and Application in Bone Defect Repair. Chemistry - A European Journal, 2018, 24, 8809-8821.	3.9	41

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73	Structureâ€“function analysis of yeast piD261/Bud32, an atypical protein kinase essential for normal cell life. Biochemical Journal, 2002, 364, 457-463.	3.8	40
74	Modulation of Protein Kinase CK2 Activity by Fragments of CFTR Encompassing F508 May Reflect Functional Links with Cystic Fibrosis Pathogenesis. Biochemistry, 2008, 47, 7925-7936.	2.6	39
75	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, 3335-3338.	3.8	39
76	Chemical Dissection of the APC Repeat 3 Multistep Phosphorylation by the Concerted Action of Protein Kinases CK1 and GSK3. Biochemistry, 2007, 46, 11902-11910.	2.6	38
77	Extracellular phosphorylation of C9 by protein kinase CK2 regulates complement-mediated lysis. European Journal of Immunology, 2005, 35, 1939-1948.	3.3	37
78	Autophosphorylation at the regulatory Î² subunit reflects the supramolecular organization of protein kinase CK2. Molecular and Cellular Biochemistry, 2005, 274, 23-29.	3.1	37
79	Effect of ischemic preconditioning on the genomic response to reperfusion injury in deceased donor liver transplantation. Liver Transplantation, 2009, 15, 1750-1765.	2.8	37
80	Nanoencapsulated anti-CK2 small molecule drug or siRNA specifically targets malignant cancer but not benign cells. Cancer Letters, 2012, 315, 48-58.	7.3	37
81	Autocatalytic tyrosine-phosphorylation of protein kinase CK2 Î± and Î±â€² subunits: implication of Tyr182. Biochemical Journal, 2001, 357, 563-567.	3.8	36
82	Assessment of CK2 Constitutive Activity in Cancer Cells. Methods in Enzymology, 2010, 484, 495-514.	1.7	36
83	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, 442-446.	2.2	34
84	Eukaryotic translation-initiation factor eIF2Î² binds to protein kinase CK2: effects on CK2Î± activity. Biochemical Journal, 2003, 375, 623-631.	3.8	33
85	Mass Spectrometry Analysis of a Protein Kinase CK2Î² Subunit Interactome Isolated from Mouse Brain by Affinity Chromatography. Journal of Proteome Research, 2008, 7, 990-1000.	3.8	33
86	Synthetic lethal screening reveals FGFR as one of the combinatorial targets to overcome resistance to Met-targeted therapy. Oncogene, 2015, 34, 1083-1093.	5.9	33
87	Renal Chloride Channel, CLCN5, Mutations in Dent's Disease. Journal of Bone and Mineral Research, 1999, 14, 1536-1542.	3.0	32
88	The Subjective Visual Vertical and the Subjective Haptic Vertical Access Different Gravity Estimates. PLoS ONE, 2015, 10, e0145528.	2.5	32
89	Detection of Phospho-Sites Generated by Protein Kinase CK2 in CFTR: Mechanistic Aspects of Thr1471 Phosphorylation. PLoS ONE, 2013, 8, e74232.	2.5	32
90	Susceptibility of the Prion Protein to Enzymic Phosphorylation. Biochemical and Biophysical Research Communications, 2000, 271, 337-341.	2.2	31

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91	Phosphorylation of Calmodulin Fragments by Protein Kinase CK2. Mechanistic Aspects and Structural Consequences. Biochemistry, 2004, 43, 12788-12798.	2.6	31
92	Design, validation and efficacy of bisubstrate inhibitors specifically affecting ecto-CK2 kinase activity. Biochemical Journal, 2015, 471, 415-430.	3.8	31
93	Targeting CK2 in cancer: a valuable strategy or a waste of time?. Cell Death Discovery, 2021, 7, 325.	4.8	31
94	Generation of protein kinase Ck1Î± mutants which discriminate between canonical and non-canonical substrates. Biochemical Journal, 2005, 391, 417-424.	3.8	30
95	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, 155-161.	3.1	29
96	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, 449-460.	5.5	29
97	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, 5951.	4.2	29
98	Programmed cell death protein 5 (PDCD5) is phosphorylated by CK2 in vitro and in 293T cells. Biochemical and Biophysical Research Communications, 2009, 387, 606-610.	2.2	28
99	The generation of phosphoserine stretches in phosphoproteins: mechanism and significance. Molecular BioSystems, 2015, 11, 2666-2679.	2.8	28
100	Understanding consumerâ€™ switching intention toward traceable agricultural products: Pushâ€pullâ€mooring perspective. International Journal of Consumer Studies, 2022, 46, 870-888.	11.6	28
101	7: Soft tissue, bone and joint infections. Medical Journal of Australia, 2002, 176, 609-615.	1.8	27
102	Prospective study of cancer detection in black and white men with normal digital rectal examination but prostate specific antigen equal or greater than 4.0 ng/mL. Cancer, 2002, 94, 1661-1667.	4.1	27
103	Protein kinase CK2 phosphorylates BAD at threonine-117. Neurochemistry International, 2004, 45, 747-752.	3.9	27
104	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, 1865-1874.	4.1	27
105	A Journey through the Cytoskeleton with Protein Kinase CK2. Current Protein and Peptide Science, 2019, 20, 547-562.	1.5	27
106	Efficient Fmoc/solidâ€phase peptide synthesis of Oâ€phosphotyrosylâ€containing peptides and their use as phosphatase substrates. International Journal of Peptide and Protein Research, 1994, 43, 39-46.	0.1	26
107	The pleiotropic protein kinase CK2 phosphorylates HTLV-1 Tax protein in vitro, targeting its PDZ-binding motif. Virus Genes, 2010, 41, 149-157.	1.8	26
108	Intra-arterial treatment with 90Y microspheres for hepatocellular carcinoma: 4Âyears experience at the Ghent University Hospital. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 2117-2124.	6.7	26

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109	Superiority of PLK-2 as Î±-synuclein phosphorylating agent relies on unique specificity determinants. Biochemical and Biophysical Research Communications, 2012, 418, 156-160.	2.2	26
110	The Selectivity of CK2 Inhibitor Quinalizarin: A Reevaluation. BioMed Research International, 2015, 2015, 1-9.	2.0	25
111	Automatic Training Example Selection for Scalable Unsupervised Record Linkage. Lecture Notes in Computer Science, 2008, , 511-518.	1.0	25
112	Sic1 is phosphorylated by CK2 on Ser201 in budding yeast cells. Biochemical and Biophysical Research Communications, 2006, 346, 786-793.	2.2	24
113	Protein kinase CK2 phosphorylates the cell cycle regulatory protein Geminin. Biochemical and Biophysical Research Communications, 2004, 315, 1011-1017.	2.2	23
114	Artificial Zinc(II) Complexes Regulate Cell Cycle and Apoptosis-Related Genes in Tumor Cell Lines. ChemBioChem, 2007, 8, 332-340.	2.8	23
115	Pharmacophore-guided discovery of CDC25 inhibitors causing cell cycle arrest and tumor regression. Scientific Reports, 2019, 9, 1335.	3.4	23
116	Synthesis and Properties of a Selective Inhibitor of Homeodomainâ€“Interacting Protein Kinase 2 (HIPK2). PLoS ONE, 2014, 9, e89176.	2.5	23
117	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
118	Protein kinase CK2 accumulation in â€œoncophilicâ€•cells: causes and effects. Molecular and Cellular Biochemistry, 2011, 356, 5-10.	3.1	22
119	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.	5.3	22
120	Variable contribution of protein kinases to the generation of the human phosphoproteome: a global weblogo analysis. Biomolecular Concepts, 2010, 1, 185-195.	2.2	21
121	A comparison of prediction equations for the estimation of body fat percentage in non-obese and obese older Caucasian adults in the United States. Journal of Nutrition, Health and Aging, 2014, 18, 586-590.	3.5	21
122	A comparison between spinal cord infarction and neuromyelitis optica spectrum disorders: Clinical and MRI studies. Scientific Reports, 2019, 9, 7435.	3.4	20
123	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, 18204-18218.	2.1	19
124	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, 1423-1429.	2.8	17
125	Phosphorylation of phosvitin by casein kinase-2 provides the evidence that phosphoserines can replace carboxylic amino acids as specificity determinants. Biochimica Et Biophysica Acta - Bioenergetics, 1988, 971, 227-231.	1.6	16
126	Classification of spherically symmetric static spaceâ€“times by their curvature collineations. Journal of Mathematical Physics, 1997, 38, 3639-3649.	1.2	16

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127	Acidophilic character of yeast PID261/BUD32, a putative ancestor of eukaryotic protein kinases. Biochemical and Biophysical Research Communications, 2002, 296, 1366-1371.	2.2	15
128	CK2 regulates in vitro the activity of the yeast cyclin-dependent kinase inhibitor Sic1. Biochemical and Biophysical Research Communications, 2005, 336, 1040-1048.	2.2	15
129	Heterogeneity of CK2 phosphorylation sites in the NS5A protein of different hepatitis C virus genotypes. Journal of Hepatology, 2007, 47, 768-776.	3.9	15
130	Dependence of HSP27 cellular level on protein kinase CK2 discloses novel therapeutic strategies. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 2902-2910.	2.5	15
131	Comparing the efficacy and selectivity of Ck2 inhibitors. A phosphoproteomics approach. European Journal of Medicinal Chemistry, 2021, 214, 113217.	5.7	15
132	An Exploration of the Effects of Constraints on the Phosphorylation of Synthetic Protein Tyrosine Kinase Peptide Substrates. Journal of Peptide Science, 1996, 2, 325-338.	1.5	14
133	Chimeric peptides as modulators of CK2-dependent signaling: Mechanism of action and off-target effects. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 1694-1707.	2.3	14
134	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, 1718-1726.	2.3	14
135	â€œJanusâ€•efficacy of CX-5011: CK2 inhibition and methuosis induction by independent mechanisms. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118807.	4.1	14
136	Prevalence and significance of the commonest phosphorylated motifs in the human proteome: a global analysis. Cellular and Molecular Life Sciences, 2020, 77, 5281-5298.	5.5	14
137	A Comparative Analysis and Review of lysyl Residues Affected by Posttranslational Modifications. Current Genomics, 2015, 16, 128-138.	1.6	14
138	Mutational and methylation analysis of the cyclin-dependent kinase 4 inhibitor (p16INK4A) gene in chronic lymphocytic leukemia. European Journal of Haematology, 2006, 76, 230-236.	2.2	13
139	Linear and cyclic synthetic peptides related to the main autophosphorylation site of the Src tyrosine kinases as substrates and inhibitors of Lyn ^{â€}. International Journal of Peptide and Protein Research, 1995, 45, 529-539.	0.1	13
140	Understanding protein kinase CK2 mis-regulation upon F508del CFTR expression. Naunyn-Schmiedeberg's Archives of Pharmacology, 2011, 384, 473-488.	3.1	13
141	CFTR mutations altering CFTR fragmentation. Biochemical Journal, 2013, 449, 295-305.	3.8	13
142	CK2 involvement in ESCRT-III complex phosphorylation. Archives of Biochemistry and Biophysics, 2014, 545, 83-91.	3.2	13
143	Protein kinase CK2 potentiates translation efficiency by phosphorylating eIF3j at Ser127. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 1693-1701.	4.1	13
144	Proteomics perturbations promoted by the protein kinase CK2 inhibitor quinalizarin. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 1676-1686.	2.3	13

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145	Effects of CK2Î² subunit down-regulation on Akt signalling in HK-2 renal cells. PLoS ONE, 2020, 15, e0227340.	2.5	13
146	ANALOGS OF GUANINE NUCLEOSIDE TRIPHOSPHATES FOR SEQUENCING APPLICATIONS. Nucleosides, Nucleotides and Nucleic Acids, 2001, 20, 501-506.	1.3	12
147	Different Persistence of the Cellular Effects Promoted by Protein Kinase CK2 Inhibitors CX-4945 and TDB. BioMed Research International, 2015, 2015, 1-9.	2.0	12
148	CK2 Suppression of Apoptosis and Its Implication in Cancer Biology and Therapy. , 2013, , 319-343.		12
149	Phosphorylation of ornithine decarboxylase in intact erythroleukemia cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 1990, 1052, 345-347.	4.1	11
150	A N-terminally deleted form of the CK2Î±â€™ catalytic subunit is sufficient to support cell viability. Biochemical and Biophysical Research Communications, 2020, 531, 409-415.	2.2	11
151	Under-expression of CK2Î² subunit in ccRCC represents a complementary biomarker of p-STAT3 Ser727 that correlates with patient survival. Oncotarget, 2018, 9, 5736-5751.	2.1	11
152	Conformational constraints of tyrosine in protein tyrosine kinase substrates: Information about preferred bioactive side-chain orientation. Biopolymers, 2003, 71, 478-488.	2.6	10
153	Spatial Conformation and Topography of the Tyrosine Aromatic Ring in Substrate Recognition by Protein Tyrosine Kinases. Journal of Medicinal Chemistry, 2006, 49, 1916-1924.	6.6	10
154	The p23 co-chaperone protein is a novel substrate of CK2 in Arabidopsis. Molecular and Cellular Biochemistry, 2011, 356, 245-254.	3.1	10
155	The Interactome of Protein Kinase CK2. , 2013, , 76-116.		10
156	Diagnostic procedures in vaginitis. European Journal of Obstetrics, Gynecology and Reproductive Biology, 1989, 31, 179-183.	1.1	9
157	Four Soft Donors and a Hard Centre: Rhodium Complexes of a Novel Tetrakis(NHC)â€Encapsulated Crown Ether Ligand. European Journal of Inorganic Chemistry, 2011, 2011, 4331-4337.	2.2	9
158	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.	3.8	9
159	Contribution of the CK2 Catalytic Isoforms Î± and Î±â€™ to the Glycolytic Phenotype of Tumor Cells. Cells, 2021, 10, 181.	4.3	9
160	Identification of the PLK2-Dependent Phosphopeptidome by Quantitative Proteomics. PLoS ONE, 2014, 9, e111018.	2.5	9
161	An evaluation of a spoken document retrieval baseline system in finish. , 0, , .		9
162	Introduction of Lazy Luna an automatic software-driven multilevel comparison of ventricular function quantification in cardiovascular magnetic resonance imaging. Scientific Reports, 2022, 12, 6629.	3.4	9

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163	Birefringence induced by spatial dispersion in KI. Solid State Communications, 1984, 50, 371-373.	1.9	8
164	A radio frequency/high voltage pulse generator for the operation of a planar multipole ion trap/time-of-flight mass spectrometer. Review of Scientific Instruments, 2013, 84, 044707.	1.4	8
165	Protein kinase CK2 modulates HSJ1 function through phosphorylation of the UIM2 domain. Human Molecular Genetics, 2017, 26, ddw420.	3.0	8
166	Immune Modulation and Treatment of Human Papilloma Virus-Related Warts with Energetics of Living Systems Acupuncture. Medical Acupuncture, 2017, 29, 145-154.	0.6	7
167	CK2 Contribution to the Generation of the Human Phosphoproteome. , 2013, , 117-128.		7
168	CK2 in Embryonic Development. , 2013, , 129-168.		7
169	Analysis of the phosphoproteome of CK2 Î± ^(â€“/â€“) Íl" Î±â€² C2C12 myoblasts compared to the wild-type cells. Open Biology, 2023, 13, .	3.7	7
170	Cross talk between protein kinase CK2 and eukaryotic translation initiation factor eIF2Î² subunit. Molecular and Cellular Biochemistry, 2005, 274, 53-61.	3.1	6
171	Synthetic Tyrâ€phospho and nonâ€hydrolyzable phosphonopeptides as PTKs and TCâ€PTP inhibitors*. International Journal of Peptide and Protein Research, 1995, 46, 535-546.	0.1	6
172	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.	1.9	6
173	HRV spectral estimation based on constrained Gaussian modeling in the nonstationary case. Biomedical Signal Processing and Control, 2013, 8, 483-490.	5.9	5
174	Structural Bases of Protein Kinase CK2 Function and Inhibition. , 2013, , 1-75.		5
175	Analysis of the impact of process variations on static logic circuits versus fan-in. , 2008, , .		4
176	Specific Features of Plant CK2. , 2013, , 267-289.		4
177	Environmental manipulations generate bidirectional shifts in both behavior and gene regulation in a crossbred mouse model of extremes in trait anxiety. Frontiers in Behavioral Neuroscience, 2014, 8, 87.	2.1	4
178	CK2 as a Logical Target in Cancer Therapy: Potential for Combining CK2 Inhibitors with Various Classes of Cancer Therapeutic Agents. , 2013, , 383-439.		3
179	Linear and cyclic peptides as substrates for Lyn tyrosine kinase. Journal of Peptide Science, 1998, 4, 33-45.	1.5	2
180	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.	0.1	2

#	Article	IF	Citations
181	An Updated View on an Emerging Target: Selected Papers from the 8th International Conference on Protein Kinase CK2. Pharmaceuticals, 2017, 10, 33.	3.9	2
182	â€œGenuineâ€•Casein Kinase (Fam20C): The Mother of the Phosphosecretome. , 2015, , 47-62.		2
183	â€œGenuineâ€•Casein Kinase: The False Sister of CK2 That Phosphorylates Secreted Proteins at S-x-E/pS Motifs. , 2015, , 227-237.		2
184	Multiple Myeloma Cells Survival and Proliferation Rely on High Levels and Activity of the Serine-Threonine Kinase CK2.. Blood, 2004, 104, 643-643.	1.4	2
185	Exploiting Diverse Information in Pre-Trained Language Model for Multi-Choice Machine Reading Comprehension. Applied Sciences (Switzerland), 2022, 12, 3072.	2.6	2
186	Single Grain YBa ₂ Cu ₃ O _y Porous Ceramic Superconductors. Ceramic Transactions, 2006, , 33-43.	0.0	1
187	Successful Implementation of a Rapid Screening Tool for Hantavirus Cardiopulmonary Syndrome: 5 Years of Experience From a Community Hospital in an Endemic Region. American Journal of Clinical Pathology, 2022, 157, 498-501.	0.7	1
188	The importance of negative determinants as modulators of CK2 targeting. The lesson of Akt2 S131. PLoS ONE, 2018, 13, e0193479.	2.5	1
189	Protein Kinase CK2 in Normal and Malignant Hematopoiesis. , 2013, , 344-362.		1
190	CK2: A Global Regulator of Cell Survival. , 2013, , 239-266.		1
191	The Pivotal Role of CK2 in the Kinomeâ€Targeting Hsp90 Chaperone Machinery. , 2013, , 205-238.		1
192	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.	0.1	0
193	Study of chamber history effect in oxide etcher. , 0, , .		0
194	A novel longitudinal approach in individual subjects to investigate the movement of tau over time using graph theory in clinical and preclinical stages of Alzheimerâ€™s disease. Alzheimer's and Dementia, 2020, 16, e044004.	0.7	0
195	IPK2019: David Shugar and the genesis of the IPK conferences. IUBMB Life, 2020, 72, 1097-1102.	3.6	0
196	Analysis of added value in bovines sold for the angus meat program in the south of Brazil. Ciencia Animal Brasileira, 2021, 22, .	0.3	0
197	1954â€2006: the long march of protein kinase CK2. FASEB Journal, 2006, 20, A499.	0.5	0
198	The Role of Protein Kinase CK2 in the p53 Response. , 2013, , 190-204.		0

#	Article	IF	Citations
199	Introduction. , 2016, , xxvii.		0
200	Challenges and opportunities in access to care for systemic lupus erythematosus patients across Europe and worldwide. Rheumatology, 2024, 63, 1772-1778.	2.1	0