Giorgio Cozza

List of Publications by Citations

81 papers	3,062 citations	30 h-index	54 g-index
85 ext. papers	3,648 ext. citations	5.9 avg, IF	5.11 L-index

#	Paper	IF	Citations
81	Medicinal chemistry and the molecular operating environment (MOE): application of QSAR and molecular docking to drug discovery. *Current Topics in Medicinal Chemistry*, **2008**, 8, 1555-72	3	510
80	The selectivity of inhibitors of protein kinase CK2: an update. *Biochemical Journal*, **2008**, 415, 353-65	3.8	193
79	A comparison of thiol peroxidase mechanisms. *Antioxidants and Redox Signaling*, **2011**, 15, 763-80	8.4	161
78	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
77	Quinalizarin as a potent, selective and cell-permeable inhibitor of protein kinase CK2. *Biochemical Journal*, **2009**, 421, 387-95	3.8	127
76	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
75	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
74	Inhibition of protein kinase CK2 by flavonoids and tyrphostins. A structural insight. *Biochemistry*, **2012**, 51, 6097-107	3.2	105
73	Tetrabromocinnamic acid (TBCA) and related compounds represent a new class of specific protein kinase CK2 inhibitors. *ChemBioChem*, **2007**, 8, 129-39	3.8	104
72	Insight into the mechanism of ferroptosis inhibition by ferrostatin-1. *Redox Biology*, **2020**, 28, 101328	11.3	96
71	Kinase CK2 inhibition: an update. *Current Medicinal Chemistry*, **2013**, 20, 671-93	4.3	84
70	Inhibition of protein kinase CK2 by condensed polyphenolic derivatives. An in vitro and in vivo study. *Biochemistry*, **2004**, 43, 12931-6	3.2	82
69	Glutathione peroxidase 4-catalyzed reduction of lipid hydroperoxides in membranes: The polar head of membrane phospholipids binds the enzyme and addresses the fatty acid hydroperoxide group toward the redox center. *Free Radical Biology and Medicine*, **2017**, 112, 1-11	7.8	63
68	Casein kinases as potential therapeutic targets. *Expert Opinion on Therapeutic Targets*, **2016**, 20, 319-40	6.4	59
67	Protein kinase CK2 inhibitors: a patent review. *Expert Opinion on Therapeutic Patents*, **2012**, 22, 1081-97	6.8	56
66	How druggable is protein kinase CK2?. *Medicinal Research Reviews*, **2010**, 30, 419-62	14.4	55
65	Tetraiodobenzimidazoles are potent inhibitors of protein kinase CK2. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 7281-9	3.4	50

64	Protein disulfide isomerase and glutathione are alternative substrates in the one Cys catalytic cycle of glutathione peroxidase 7. *Biochimica Et Biophysica Acta - General Subjects*, **2013**, 1830, 3846-57	4	45
63	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
62	The Development of CK2 Inhibitors: From Traditional Pharmacology to in Silico Rational Drug Design. *Pharmaceuticals*, **2017**, 10,	5.2	38
61	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
60	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
59	Casein kinase 2 (CK2) phosphorylates the deubiquitylase OTUB1 at Ser16 to trigger its nuclear localization. *Science Signaling*, **2015**, 8, ra35	8.8	36
58	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
57	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
56	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
55	Covalently bound DNA on naked iron oxide nanoparticles: Intelligent colloidal nano-vector for cell transfection. *Biochimica Et Biophysica Acta - General Subjects*, **2017**, 1861, 2802-2810	4	32
54	The dark side of protein kinase CK2 inhibition. *Current Medicinal Chemistry*, **2011**, 18, 2867-84	4.3	30
53	Detection of phospho-sites generated by protein kinase CK2 in CFTR: mechanistic aspects of Thr1471 phosphorylation. *PLoS ONE*, **2013**, 8, e74232	3.7	30
52	A pathogenic role for cystic fibrosis transmembrane conductance regulator in celiac disease. *EMBO Journal*, **2019**, 38,	13	30
51	A chemogenomic screening identifies CK2 as a target for pro-senescence therapy in PTEN-deficient tumours. *Nature Communications*, **2015**, 6, 7227	17.4	29
50	Understanding mammalian glutathione peroxidase 7 in the light of its homologs. *Free Radical Biology and Medicine*, **2015**, 83, 352-60	7.8	28
49	Isoform specific phosphorylation of p53 by protein kinase CK1. *Cellular and Molecular Life Sciences*, **2010**, 67, 1105-18	10.3	26
48	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
47	Design, validation and efficacy of bisubstrate inhibitors specifically affecting ecto-CK2 kinase activity. *Biochemical Journal*, **2015**, 471, 415-30	3.8	24

46	Elucidation of the ribonuclease A aggregation process mediated by 3D domain swapping: a computational approach reveals possible new multimeric structures. *Biopolymers*, **2008**, 89, 26-39	2.2	23
45	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
44	Stealth Iron Oxide Nanoparticles for Organotropic Drug Targeting. *Biomacromolecules*, **2019**, 20, 1375-1384	5.9	21
43	TG2 regulates the heat-shock response by the post-translational modification of HSF1. *EMBO Reports*, **2018**, 19,	6.5	20
42	The Selectivity of CK2 Inhibitor Quinalizarin: A Reevaluation. *BioMed Research International*, **2015**, 2015, 734127	3	18
41	Synthesis and properties of a selective inhibitor of homeodomain-interacting protein kinase 2 (HIPK2). *PLoS ONE*, **2014**, 9, e89176	3.7	17
40	Inactivation of the glutathione peroxidase GPx4 by the ferroptosis-inducing molecule RSL3 requires the adaptor protein 14-3-3 *FEBS Letters*, **2020**, 594, 611-624	3.8	16
39	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
38	The landscape of BRAF transcript and protein variants in human cancer. *Molecular Cancer*, **2017**, 16, 85	42.1	14
37	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
36	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
35	Novel polyamine analogues: from substrates towards potential inhibitors of monoamine oxidases. *European Journal of Medicinal Chemistry*, **2013**, 70, 88-101	6.8	12
34	Pharmacophore-guided discovery of CDC25 inhibitors causing cell cycle arrest and tumor regression. *Scientific Reports*, **2019**, 9, 1335	4.9	11
33	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
32	The Acidophilic Kinases PLK2 and PLK3: Structure, Substrate Targeting and Inhibition. *Current Protein and Peptide Science*, **2018**, 19, 728-745	2.8	9
31	ATP non-competitive Ser/Thr kinase inhibitors as potential anticancer agents. *Anti-Cancer Agents in Medicinal Chemistry*, **2009**, 9, 778-86	2.2	9
30	Role of Interaction and Nucleoside Diphosphate Kinase B in Regulation of the Cystic Fibrosis Transmembrane Conductance Regulator Function by cAMP-Dependent Protein Kinase A. *PLoS ONE*, **2016**, 11, e0149097	3.7	9
29	The lysine-specific demethylase 1 is a novel substrate of protein kinase CK2. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2014**, 1844, 722-9	4	8

28	Protein kinase CK2 inhibitors: emerging anticancer therapeutic agents?. *Anti-Cancer Agents in Medicinal Chemistry*, **2008**, 8, 798-806	2.2	8
27	Pyrazoloquinazoline Tricyclic System as Novel Scaffold to Design New Kinase CK2 Inhibitors. *Letters in Drug Design and Discovery*, **2006**, 3, 281-284	0.8	8
26	Lack of glutathione peroxidase-8 in the ER impacts on lipid composition of HeLa cells microsomal membranes. *Free Radical Biology and Medicine*, **2020**, 147, 80-89	7.8	8
25	Fam20C is under the control of sphingolipid signaling in human cell lines. *FEBS Journal*, **2017**, 284, 1246-1257	5.7	7
24	A novel glucosyltransferase from Catharanthus roseus cell suspensions. *Process Biochemistry*, **2010**, 45, 655-659	4.8	7
23	ALK kinase domain mutations in primary anaplastic large cell lymphoma: consequences on NPM-ALK activity and sensitivity to tyrosine kinase inhibitors. *PLoS ONE*, **2015**, 10, e0121378	3.7	6
22	Scouting Novel Protein Kinase A (PKA) Inhibitors by Using a Consensus Docking-Based Virtual Screening Approach. *Letters in Drug Design and Discovery*, **2009**, 6, 327-336	0.8	6
21	Role of carboxylic group pattern on protein surface in the recognition of iron oxide nanoparticles: A key for protein corona formation. *International Journal of Biological Macromolecules*, **2020**, 164, 1715-1728	7.9	6
20	The role of the N-terminal domain in the regulation of the "constitutively active" conformation of protein kinase CK2—insight from a molecular dynamics investigation. *ChemMedChem*, **2011**, 6, 1207-16	3.7	5
19	Biochemical and cellular mechanism of protein kinase CK2 inhibition by deceptive curcumin. *FEBS Journal*, **2020**, 287, 1850-1864	5.7	5
18	A novel splicing variant encoding putative catalytic alpha subunit of maize protein kinase CK2. *Physiologia Plantarum*, **2009**, 136, 251-63	4.6	4
17	8-Hydroxynaphthalene-1,4-dione derivative as novel compound for glioma treatment. *Bioorganic and Medicinal Chemistry Letters*, **2011**, 21, 2079-82	2.9	4
16	Production and purification of homogenous recombinant human selenoproteins reveals a unique codon skipping event in E. coli and GPX4-specific affinity to bromosulfophthalein. *Redox Biology*, **2021**, 46, 102070	11.3	4
15	Benextramine and derivatives as novel human monoamine oxidases inhibitors: an integrated approach. *FEBS Journal*, **2019**, 286, 4995-5015	5.7	3
14	Intracellular protein kinase CK2 inhibition by ferulic acid-based trimodal nanodevice. *International Journal of Biological Macromolecules*, **2020**, 165, 701-712	7.9	3
13	Developing novel classes of protein kinase CK1 inhibitors by fusing [1,2,4]triazole with different bicyclic heteroaromatic systems. *European Journal of Medicinal Chemistry*, **2021**, 216, 113331	6.8	3
12	Aerobic pyruvate metabolism sensitizes cells to ferroptosis primed by GSH depletion. *Free Radical Biology and Medicine*, **2021**, 167, 45-53	7.8	3
11	Glutathione Peroxidase 4 **2016**, 223-234		3

10	Development of a yeast-based system to identify new hBRAFV600E functional interactors. *Oncogene*, **2019**, 38, 1355-1366	9.2	3
9	Hydrophobic Derivatives of Glycopeptide Antibiotics as Inhibitors of Protein Kinases. *Biochemistry (Moscow)*, **2018**, 83, 1222-1230	2.9	3
8	Glutathione Peroxidase-4 **2011**, 181-195		2
7	Genuine Casein Kinase: The False Sister of CK2 That Phosphorylates Secreted Proteins at S-x-E/pS Motifs **2015**, 227-237		2
6	In Silico Predicted Antifungal Peptides: In Vitro and In Vivo Anti- Activity. *Journal of Fungi (Basel, Switzerland)*, **2021**, 7,	5.6	2
5	Genuine Casein Kinase (Fam20C): The Mother of the Phosphosecretome47-62		2
4	The importance of negative determinants as modulators of CK2 targeting. The lesson of Akt2 S131. *PLoS ONE*, **2018**, 13, e0193479	3.7	1
3	An Iron Shield to Protect Epigallocatehin-3-Gallate from Degradation: Multifunctional Self-Assembled Iron Oxide Nanocarrier Enhances Protein Kinase CK2 Intracellular Targeting and Inhibition. *Pharmaceutics*, **2021**, 13,	6.4	1
2	Inside Cover: The Role of the N-Terminal Domain in the Regulation of the Constitutively Active Conformation of Protein Kinase CK2 Insight from a Molecular Dynamics Investigation (ChemMedChem 7/2011). *ChemMedChem*, **2011**, 6, 1134-1134	3.7	
1	Casein hydrolysate for uterine infection treatment: a patent evaluation (WO2011132191). *Expert Opinion on Therapeutic Patents*, **2012**, 22, 575-8	6.8	