

# Olaf-Georg Issinger

## List of Publications by Year in descending order

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61  
papers

3,242  
citations

201674

27  
h-index

149698

56  
g-index

63  
all docs

63  
docs citations

63  
times ranked

2145  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phytochemicals in cancer and their effect on the PI3K/AKT-mediated cellular signalling. <i>Biomedicine and Pharmacotherapy</i> , 2021, 139, 111650.	5.6	16
2	Role of Protein Kinase CK2 in Aberrant Lipid Metabolism in Cancer. <i>Pharmaceuticals</i> , 2020, 13, 292.	3.8	13
3	Natural Compounds and Derivatives as Ser/Thr Protein Kinase Modulators and Inhibitors. <i>Pharmaceuticals</i> , 2019, 12, 4.	3.8	26
4	Delivery of proteins encapsulated in chitosan-tripolyphosphate nanoparticles to human skin melanoma cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 174, 216-223.	5.0	19
5	Nuclear localization of the CK2 $\alpha$ -subunit correlates with poor prognosis in clear cell renal cell carcinoma. <i>Oncotarget</i> , 2017, 8, 1613-1627.	1.8	19
6	The kinase inhibitor D11 induces caspase-mediated cell death in cancer cells resistant to chemotherapeutic treatment. <i>Journal of Experimental and Clinical Cancer Research</i> , 2015, 34, 125.	8.6	18
7	A Note of Caution on the Role of Halogen Bonds for Protein Kinase/Inhibitor Recognition Suggested by High- And Low-Salt CK2 $\alpha$ Complex Structures. <i>ACS Chemical Biology</i> , 2015, 10, 1654-1660.	3.4	22
8	Identification of a novel potent, selective and cell permeable inhibitor of protein kinase CK2 from the NIH/NCI Diversity Set Library. <i>Molecular and Cellular Biochemistry</i> , 2015, 406, 151-161.	3.1	17
9	Acetoxymethyl Ester of Tetrabromobenzimidazole $\alpha$ -Peptoid Conjugate for Inhibition of Protein Kinase CK2 in Living Cells. <i>Bioconjugate Chemistry</i> , 2015, 26, 2324-2335.	3.6	27
10	Screening of DTP Compound Libraries for CK2 Inhibitors with Focus on Natural Products. , 2015, , 319-340.		1
11	Protein kinase CK2 inhibition is associated with the destabilization of HIF-1 $\alpha$ in human cancer cells. <i>Cancer Letters</i> , 2015, 356, 751-761.	7.2	27
12	Development of a high-throughput screening-compatible assay to identify inhibitors of the CK2 $\alpha$ /CK2 $\beta$ interaction. <i>Analytical Biochemistry</i> , 2015, 468, 4-14.	2.4	18
13	Evidence for aggregation of protein kinase CK2 in the cell: a novel strategy for studying CK2 holoenzyme interaction by BRET2. <i>Molecular and Cellular Biochemistry</i> , 2014, 397, 285-293.	3.1	22
14	Protein kinase CK2 is required for the recruitment of 53BP1 to sites of DNA double-strand break induced by radiomimetic drugs. <i>Cancer Letters</i> , 2014, 345, 115-123.	7.2	27
15	The Protein Kinase CK2 $\alpha$ Holoenzyme Structure Supports Proposed Models of Autoregulation and Trans-Autophosphorylation. <i>Journal of Molecular Biology</i> , 2014, 426, 1871-1882.	4.2	28
16	Synthesis of a new class of pyrrolo[3,4-h]quinazolines with antimetabolic activity. <i>European Journal of Medicinal Chemistry</i> , 2014, 74, 340-357.	5.5	45
17	Cytotoxic effects exerted by pentachlorophenol by targeting nodal pro-survival signaling pathways in human pancreatic cancer cells. <i>Toxicology Reports</i> , 2014, 1, 1162-1174.	3.3	2
18	A subnanomolar fluorescent probe for protein kinase CK2 interaction studies. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 8645.	2.8	32

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19	Structure of the Human Protein Kinase CK2 Catalytic Subunit CK2 $\alpha$ and Interaction Thermodynamics with the Regulatory Subunit CK2 $\beta$ . <i>Journal of Molecular Biology</i> , 2011, 407, 1-12.	4.2	46
20	Enzymatic activity with an incomplete catalytic spine: insights from a comparative structural analysis of human CK2 $\alpha$ and its paralogous isoform CK2 $\alpha'$ . <i>Molecular and Cellular Biochemistry</i> , 2011, 356, 57-65.	3.1	21
21	Role of polyamines in determining the cellular response to chemotherapeutic agents: modulation of protein kinase CK2 expression and activity. <i>Molecular and Cellular Biochemistry</i> , 2011, 356, 149-158.	3.1	4
22	Lack of the catalytic subunit of DNA-dependent protein kinase (DNA-PKcs) is accompanied by increased CK2 $\alpha$ levels. <i>Molecular and Cellular Biochemistry</i> , 2011, 356, 139-147.	3.1	7
23	Conformational plasticity of the catalytic subunit of protein kinase CK2 and its consequences for regulation and drug design. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 484-492.	2.3	42
24	Structural Basis of the Constitutive Activity of Protein Kinase CK2. <i>Methods in Enzymology</i> , 2010, 484, 515-529.	1.0	17
25	Selectivity analysis of protein kinase CK2 inhibitors DMAT, TBB and resorufin in cisplatin-induced stress responses. <i>International Journal of Oncology</i> , 2009, 35, 1151-7.	3.3	1
26	Resorufin: a lead for a new protein kinase CK2 inhibitor. <i>Anti-Cancer Drugs</i> , 2009, 20, 238-248.	1.4	30
27	Biochemical characterization of CK2 $\alpha$ and $\alpha'$ paralogues and their derived holoenzymes: evidence for the existence of a heterotrimeric CK2 $\alpha$ -holoenzyme forming trimeric complexes. <i>Molecular and Cellular Biochemistry</i> , 2008, 316, 37-47.	3.1	28
28	The CK2 $\alpha$ /CK2 $\beta$ Interface of Human Protein Kinase CK2 Harbors a Binding Pocket for Small Molecules. <i>Chemistry and Biology</i> , 2008, 15, 111-117.	6.0	89
29	Exploring the intramolecular phosphorylation sites in human Chk2. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 646, 50-59.	1.0	3
30	The Catalytic Subunit of Human Protein Kinase CK2 Structurally Deviates from Its Maize Homologue in Complex with the Nucleotide Competitive Inhibitor Emodin. <i>Journal of Molecular Biology</i> , 2008, 377, 1-8.	4.2	56
31	Protein Kinase CK2 in Human Diseases. <i>Current Medicinal Chemistry</i> , 2008, 15, 1870-1886.	2.4	233
32	Expression and Purification of PI3 Kinase $\beta$ and Development of an ATP Depletion and an AlphaScreen PI3 Kinase Activity Assay. <i>Journal of Biomolecular Screening</i> , 2008, 13, 1035-1040.	2.6	10
33	Breast cancer cells with acquired antiestrogen resistance are sensitized to cisplatin-induced cell death. <i>Molecular Cancer Therapeutics</i> , 2007, 6, 1869-1876.	4.1	24
34	Induction of cell death in antiestrogen resistant human breast cancer cells by the protein kinase CK2 inhibitor DMAT. <i>Cancer Letters</i> , 2007, 256, 229-237.	7.2	45
35	Evolved to Be Active: Sulfate Ions Define Substrate Recognition Sites of CK2 $\alpha$ and Emphasise its Exceptional Role within the CMGC Family of Eukaryotic Protein Kinases. <i>Journal of Molecular Biology</i> , 2007, 370, 427-438.	4.2	54
36	Pyrazole carboxamides and carboxylic acids as protein kinase inhibitors in aberrant eukaryotic signal transduction: induction of growth arrest in MCF-7 cancer cells. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 3963.	2.8	15

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37	Purification and characterization of the CK2 $\beta$ -based holoenzyme, an isozyme of CK2 $\alpha$ : A comparative analysis. <i>Protein Expression and Purification</i> , 2006, 47, 651-661.	1.3	24
38	BID, an interaction partner of protein kinase CK2 $\alpha$ . <i>Biological Chemistry</i> , 2006, 387, 441-9.	2.5	15
39	The $\beta$ -regulatory $\beta$ -subunit of protein kinase CK2 negatively influences p53-mediated allosteric effects on Chk2 activation. <i>Oncogene</i> , 2005, 24, 6194-6200.	5.9	16
40	Biochemical characterization of the recombinant human <i>Drosophila</i> homologues Timekeeper and Andante involved in the <i>Drosophila</i> circadian oscillator. <i>Molecular and Cellular Biochemistry</i> , 2005, 274, 151-161.	3.1	14
41	Primary and secondary interactions between CK2 $\alpha$ and CK2 $\beta$ lead to ring-like structures in the crystals of the CK2 holoenzyme. <i>Molecular and Cellular Biochemistry</i> , 2005, 274, 3-14.	3.1	43
42	HDM2 negatively affects the Chk2-mediated phosphorylation of p53. <i>FEBS Letters</i> , 2005, 579, 2604-2608.	2.8	1
43	Modulation of human checkpoint kinase Chk1 by the regulatory $\beta$ -subunit of protein kinase CK2. <i>Oncogene</i> , 2003, 22, 4933-4942.	5.9	60
44	Crystal Structure of a C-terminal Deletion Mutant of Human Protein Kinase CK2 Catalytic Subunit. <i>Journal of Molecular Biology</i> , 2003, 330, 925-934.	4.2	72
45	Protein kinase CK2 phosphorylates the Fas-associated factor FAF1 in vivo and influences its transport into the nucleus. <i>FEBS Letters</i> , 2003, 546, 218-222.	2.8	20
46	Disruption of the Regulatory $\beta$ Subunit of Protein Kinase CK2 in Mice Leads to a Cell-Autonomous Defect and Early Embryonic Lethality. <i>Molecular and Cellular Biology</i> , 2003, 23, 908-915.	2.3	233
47	Phosphorylation of murine double minute clone 2 (MDM2) protein at serine-267 by protein kinase CK2 in vitro and in cultured cells. <i>Biochemical Journal</i> , 2001, 355, 347-356.	3.7	37
48	Characterization of CK2 holoenzyme variants with regard to crystallization. <i>Molecular and Cellular Biochemistry</i> , 2001, 227, 3-11.	3.1	8
49	Phosphorylation of murine double minute clone 2 (MDM2) protein at serine-267 by protein kinase CK2 in vitro and in cultured cells. <i>Biochemical Journal</i> , 2001, 355, 347.	3.7	27
50	GTP plus water mimic ATP in the active site of protein kinase CK2. <i>Nature Structural Biology</i> , 1999, 6, 1100-1103.	9.7	176
51	Interactions of protein kinase CK2 $\beta$ subunit within the holoenzyme and with other proteins. <i>Molecular and Cellular Biochemistry</i> , 1999, 191, 51-58.	3.1	40
52	Protein kinase CK2 and its role in cellular proliferation, development and pathology. <i>Electrophoresis</i> , 1999, 20, 391-408.	2.4	384
53	Protein kinase CK2: evidence for a protein kinase CK2 $\beta$ subunit fraction, devoid of the catalytic CK2 $\alpha$ subunit, in mouse brain and testicles. <i>FEBS Letters</i> , 1999, 462, 353-357.	2.8	113
54	The carboxy terminus of p53 mimics the polylysine effect of protein kinase CK2-catalyzed MDM2 phosphorylation. <i>Oncogene</i> , 1997, 14, 2683-2688.	5.9	73

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55	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, 4336-4342.	2.5	157
56	Ser2 is the autophosphorylation site in the beta subunit from bicistronically expressed human casein kinase-2 and from native rat liver casein kinase-2beta. <i>FEBS Journal</i> , 1993, 218, 515-521.	0.2	37
57	Assignment of casein kinase 2 alpha sequences to two different human chromosomes. <i>Human Genetics</i> , 1992, 89, 79-82.	3.8	9
58	Role of the beta subunit of casein kinase-2 on the stability and specificity of the recombinant reconstituted holoenzyme. <i>FEBS Journal</i> , 1992, 204, 293-297.	0.2	148
59	Isolation and characterization of recombinant human casein kinase II subunits alpha and beta from bacteria. <i>FEBS Journal</i> , 1991, 198, 25-30.	0.2	198
60	Casein kinase II is elevated in solid human tumours and rapidly proliferating non-neoplastic tissue. <i>FEBS Journal</i> , 1990, 189, 251-257.	0.2	206
61	Characterization of casein kinase II in human colonic carcinomas after heterotransplantation into nude mice. <i>Biochemical and Biophysical Research Communications</i> , 1989, 163, 635-641.	2.1	26