Odile Filhol

List of Publications by Year
in descending order

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66 papers	3,142 citations	218677 26 h-index	161849 54 g-index
69 all docs	69 docs citations	69 times ranked	4159 citing authors

#	Article	IF	Citations
1	Spatial organization of the extracellular matrix regulates cellâ€“cell junction positioning. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1506-1511.	7.1	502
2	A phosphatase cascade by which rewarding stimuli control nucleosomal response. Nature, 2008, 453, 879-884.	27.8	219
3	A new micropatterning method of soft substrates reveals that different tumorigenic signals can promote or reduce cell contraction levels. Lab on A Chip, 2011, 11, 2231.	6.0	217
4	Fibroblast Growth Factor-2 Binds to the Regulatory Î² Subunit of CK2 and Directly Stimulates CK2 Activity toward Nucleolin. Journal of Biological Chemistry, 1996, 271, 24781-24787.	3.4	136
5	Live-Cell Fluorescence Imaging Reveals the Dynamics of Protein Kinase CK2 Individual Subunits. Molecular and Cellular Biology, 2003, 23, 975-987.	2.3	132
6	Protein kinase CK2: a new view of an old molecular complex. EMBO Reports, 2004, 5, 351-355.	4.5	108
7	Quaternary Structure of Casein Kinase 2. Journal of Biological Chemistry, 1995, 270, 8345-8352.	3.4	104
8	Protein kinase CK2 enables regulatory T cells to suppress excessive TH2 responses in vivo. Nature Immunology, 2015, 16, 267-275.	14.5	102
9	Binding of Polyamines to an Autonomous Domain of the Regulatory Subunit of Protein Kinase CK2 Induces a Conformational Change in the Holoenzyme. Journal of Biological Chemistry, 1997, 272, 20820-20827.	3.4	98
10	Structure-based design of small peptide inhibitors of protein kinase CK2 subunit interaction. Biochemical Journal, 2007, 408, 363-373.	3.7	91
11	Polarity Reversal by Centrosome Repositioning Primes Cell Scattering during Epithelial-to-Mesenchymal Transition. Developmental Cell, 2017, 40, 168-184.	7.0	89
12	The Multifunctional Herpes Simplex Virus IE63 Protein Interacts with Heterogeneous Ribonucleoprotein K and with Casein Kinase 2. Journal of Biological Chemistry, 1999, 274, 28991-28998.	3.4	76
13	Interaction of elongation factor eEF-2 with ribosomal P proteins. FEBS Journal, 1999, 262, 606-611.	0.2	76
14	Antitumor Activity of Pyridocarbazole and Benzopyridoindole Derivatives that Inhibit Protein Kinase CK2. Cancer Research, 2010, 70, 9865-9874.	0.9	74
15	Protein kinase CK2 regulates CDC25B phosphatase activity. Oncogene, 2003, 22, 220-232.	5.9	73
16	Mitotic Phosphorylation of DNA Topoisomerase II Î± by Protein Kinase CK2 Creates the MPM-2 Phosphoepitope on Ser-1469. Journal of Biological Chemistry, 2000, 275, 34710-34718.	3.4	72
17	Pharmacological Inhibition of LIM Kinase Stabilizes Microtubules and Inhibits Neoplastic Growth. Cancer Research, 2012, 72, 4429-4439.	0.9	67
18	The Disruption of Adherens Junctions Is Associated with a Decrease of E-Cadherin Phosphorylation by Protein Kinase CK2. Experimental Cell Research, 2000, 257, 255-264.	2.6	64

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19	Identification of chemical inhibitors of protein-kinase CK2 subunit interaction. Molecular and Cellular Biochemistry, 2008, 316, 63-69.	3.1	59
20	Polyamine binding activity of casein kinase II. Biochemical and Biophysical Research Communications, 1991, 180, 945-952.	2.1	50
21	Direct Identification of a Polyamine Binding Domain on the Regulatory Subunit of the Protein Kinase Casein Kinase 2 by Photoaffinity Labeling. Journal of Biological Chemistry, 1995, 270, 17400-17406.	3.4	49
22	A RUNX2 stabilization pathway mediates physiologic and pathologic bone formation. Nature Communications, 2020, 11, 2289.	12.8	48
23	Ex-Vivo Treatment of Tumor Tissue Slices as a Predictive Preclinical Method to Evaluate Targeted Therapies for Patients with Renal Carcinoma. Cancers, 2020, 12, 232.	3.7	40
24	Protein kinase CK2 in breast cancer: the CK2Î² regulatory subunit takes center stage in epithelial plasticity. Cellular and Molecular Life Sciences, 2015, 72, 3305-3322.	5.4	39
25	Dynamic Localization/Association of Protein Kinase CK2 Subunits in Living Cells. Annals of the New York Academy of Sciences, 2002, 973, 272-277.	3.8	34
26	Protein Kinase CK2 Phosphorylation of EB2 Regulates Its Function in the Production of Epstein-Barr Virus Infectious Viral Particles. Journal of Virology, 2007, 81, 11850-11860.	3.4	30
27	CIGB-300 anticancer peptide regulates the protein kinase CK2-dependent phosphoproteome. Molecular and Cellular Biochemistry, 2020, 470, 63-75.	3.1	28
28	Adenovirus infection targets the cellular protein kinase CK2 and RNA-activated protein kinase (PKR) into viral inclusions of the cell nucleus. Microscopy Research and Technique, 2002, 56, 465-478.	2.2	24
29	The tyrosine-kinase inhibitor sunitinib targets vascular endothelial (VE)-cadherin: a marker of response to antitumoural treatment in metastatic renal cell carcinoma. British Journal of Cancer, 2018, 118, 1179-1188.	6.4	23
30	Casein kinase II and polyamines may interact in the response of adrenocortical cells to their trophic hormone. Biochemical and Biophysical Research Communications, 1991, 180, 623-630.	2.1	21
31	Regulation of epithelial to mesenchymal transition: CK2Î² on stage. Molecular and Cellular Biochemistry, 2011, 356, 11-20.	3.1	20
32	Protein kinase CK2 controls T-cell polarization through dendritic cell activation in response to contact sensitizers. Journal of Leukocyte Biology, 2017, 101, 703-715.	3.3	20
33	DNA binding activity of casein kinase II. Biochemical and Biophysical Research Communications, 1990, 173, 862-871.	2.1	19
34	Cooperative Blockade of CK2 and ATM Kinases Drives Apoptosis in VHL-Deficient Renal Carcinoma Cells through ROS Overproduction. Cancers, 2021, 13, 576.	3.7	19
35	DSIR: Assessing the Design of Highly Potent siRNA by Testing a Set of Cancer-Relevant Target Genes. PLoS ONE, 2012, 7, e48057.	2.5	18
36	Discovery of holoenzyme-disrupting chemicals as substrate-selective CK2 inhibitors. Scientific Reports, 2019, 9, 15893.	3.3	18

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37	Baculovirus-directed expression of human prostatic steroid 5Î±-reductase 1 in an active form. Journal of Steroid Biochemistry and Molecular Biology, 1993, 46, 177-182.	2.5	17
38	2-Aminothiazole Derivatives as Selective Allosteric Modulators of the Protein Kinase CK2. 2. Structure-Based Optimization and Investigation of Effects Specific to the Allosteric Mode of Action. Journal of Medicinal Chemistry, 2019, 62, 1817-1836.	6.4	17
39	Highlighting protein kinase CK2 movement in living cells. Molecular and Cellular Biochemistry, 2005, 274, 15-22.	3.1	16
40	NLRP7 Promotes Choriocarcinoma Growth and Progression through the Establishment of an Immunosuppressive Microenvironment. Cancers, 2021, 13, 2999.	3.7	16
41	Dissecting subdomains involved in multiple functions of the CK2Î² subunit. Molecular and Cellular Biochemistry, 1999, 191, 43-50.	3.1	15
42	Protein kinase CK2 and cell polarity. Molecular and Cellular Biochemistry, 2008, 316, 107-113.	3.1	15
43	Extracellular endosulfatase Sulf-2 harbors a chondroitin/dermatan sulfate chain that modulates its enzyme activity. Cell Reports, 2022, 38, 110516.	6.4	15
44	In Search of Small Molecule Inhibitors Targeting the Flexible CK2 Subunit Interface. Pharmaceuticals, 2017, 10, 16.	3.8	14
45	Making Hybrids of Two-Hybrid Systems. BioTechniques, 1997, 22, 916-922.	1.8	12
46	FRET-based screening assay using small-molecule photoluminescent probes in lysate of cells overexpressing RFP-fused protein kinases. Analytical Biochemistry, 2015, 481, 10-17.	2.4	12
47	Targeting AU-rich element-mediated mRNA decay with a truncated active form of the zinc-finger protein TIS11b/BRF1 impairs major hallmarks of mammary tumorigenesis. Oncogene, 2019, 38, 5174-5190.	5.9	12
48	Regulation of sclerostin by the SIRT1 stabilization pathway in osteocytes. Cell Death and Differentiation, 2022, 29, 1625-1638.	11.2	12
49	The Antiapoptotic Protein ICBP90 Is a Target for Protein Kinase 2. Annals of the New York Academy of Sciences, 2004, 1030, 355-360.	3.8	11
50	A "DropChip" Cell Array for DNA and siRNA Transfection Combined with Drug Screening. Nanobiotechnology, 2005, 1, 183-190.	1.2	11
51	HIRIP3 is a nuclear phosphoprotein interacting with and phosphorylated by the serine-threonine kinase CK2. Biological Chemistry, 2007, 388, 391-8.	2.5	11
52	Protein kinase CK2 contributes to placental development: physiological and pathological implications. Journal of Molecular Medicine, 2020, 98, 123-133.	3.9	10
53	Combined inhibition of PI3K and Src kinases demonstrates synergistic therapeutic efficacy in clear-cell renal carcinoma. Oncotarget, 2018, 9, 30066-30078.	1.8	10
54	Protein Kinases Curb Cell Death. Science Signaling, 2011, 4, pe26.	3.6	8

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55	Stem Cell-Like Properties of CK2Î²-down Regulated Mammary Cells. Cancers, 2017, 9, 114.	3.7	6
56	Identification of a cryptic protein kinase CK2 phosphorylation site in human complement protease C1r, and its use to probe intramolecular interaction. FEBS Letters, 1996, 386, 15-20.	2.8	5
57	Crystallization and preliminary X-ray diffraction analysis of the regulatory subunit of human protein kinase CK2. Acta Crystallographica Section D: Biological Crystallography, 1999, 55, 895-897.	2.5	5
58	Structureâ€“function analysis of the beta regulatory subunit of protein kinase CK2 by targeting embryonic stem cell. Molecular and Cellular Biochemistry, 2011, 356, 75-81.	3.1	5
59	Deletion of Ck2Î² gene causes germ cell development arrest and azoospermia in male mice. Cell Proliferation, 2020, 53, e12726.	5.3	5
60	Dysregulated Expression of Protein Kinase CK2 in Renal Cancer. , 2015, , 241-257.		5
61	In Vitro and In Vivo Assays of Protein Kinase CK2 Activity. Methods in Enzymology, 2010, 485, 597-610.	1.0	3
62	Csnk2Î² Knockout during Hematopoiesis Results in Lethality at Mid/Late Gestation Mostly Due to Impaired Fetal Erythropoiesis. Blood, 2014, 124, 4329-4329.	1.4	1
63	Hematopoietic-Specific CSNK2B Loss in Mice Causes Impaired Erythropoiesis. Blood, 2017, 130, 82-82.	1.4	1
64	3D polyelectrolyte scaffolds to mimic exocrine glands: a step towards a prostate-on-chip platform. The EuroBiotech Journal, 2018, 2, 180-191.	1.0	1
65	CK2Î² Is a Gatekeeper of Focal Adhesions Regulating Cell Spreading. Frontiers in Molecular Biosciences, 0, 9, .	3.5	1
66	Csnk2Î², the Regulatory Subunit of Protein Kinase CK2, modulates Peripheral B Cell Development Repressing Notch2 Signaling and Promoting a Proper B-Cell Receptor Signal Transmission. Blood, 2014, 124, 566-566.	1.4	0