Mauro Salvi

List of Publications by Year
in descending order

79 papers	2,714 citations	186209 28 h-index	197736 49 g-index
80 all docs	80 docs citations	80 times ranked	3442 citing authors

#	Article	IF	Citations
1	Protein kinase CK2 phosphorylates and upregulates Akt/PKB. Cell Death and Differentiation, 2005, 12, 668-677.	5.0	291
2	Catalase Takes Part in Rat Liver Mitochondria Oxidative Stress Defense. Journal of Biological Chemistry, 2007, 282, 24407-24415.	1.6	180
3	Extraordinary pleiotropy of protein kinase CK2 revealed by weblogo phosphoproteome analysis. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 847-859.	1.9	160
4	Protein kinase CK2: a potential therapeutic target for diverse human diseases. Signal Transduction and Targeted Therapy, 2021, 6, 183.	7.1	145
5	Tyrosine phosphorylation in mitochondria: A new frontier in mitochondrial signaling. Free Radical Biology and Medicine, 2005, 38, 1267-1277.	1.3	101
6	Characterization and location of Src-dependent tyrosine phosphorylation in rat brain mitochondria. Biochimica Et Biophysica Acta - Molecular Cell Research, 2002, 1589, 181-195.	1.9	97
7	Interaction of genistein with the mitochondrial electron transport chain results in opening of the membrane transition pore. Biochimica Et Biophysica Acta - Bioenergetics, 2002, 1556, 187-196.	0.5	83
8	Free radical scavenging action of the natural polyamine spermine in rat liver mitochondria. Free Radical Biology and Medicine, 2006, 41, 1272-1281.	1.3	81
9	Tyrosine phosphatase activity in mitochondria: presence of Shp-2 phosphatase in mitochondria. Cellular and Molecular Life Sciences, 2004, 61, 2393-404.	2.4	71
10	Features and potentials of ATP-site directed CK2 inhibitors. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2005, 1754, 263-270.	1.1	69
11	Oxidative Stress Is Responsible for Mitochondrial Permeability Transition Induction by Salicylate in Liver Mitochondria. Journal of Biological Chemistry, 2005, 280, 33864-33872.	1.6	69
12	Glycyrrhetinic acid-induced permeability transition in rat liver mitochondria. Biochemical Pharmacology, 2003, 66, 2375-2379.	2.0	62
13	On the mechanism of mitochondrial permeability transition induction by glycyrrhetinic acid. Biochimica Et Biophysica Acta - Bioenergetics, 2004, 1658, 195-201.	0.5	59
14	Identification of new tyrosine phosphorylated proteins in rat brain mitochondria. FEBS Letters, 2008, 582, 1104-1110.	1.3	54
15	Identification of the flavoprotein of succinate dehydrogenase and aconitase as in vitro mitochondrial substrates of Fgr tyrosine kinase. FEBS Letters, 2007, 581, 5579-5585.	1.3	53
16	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.	2.4	49
17	Role of CK2 inhibitor CX-4945 in anti-cancer combination therapy â€“ potential clinical relevance. Cellular Oncology (Dordrecht), 2020, 43, 1003-1016.	2.1	48
18	Amine oxidases in apoptosis and cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2006, 1765, 1-13.	3.3	47

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19	Effects of polyamines on mitochondrial Ca2+ transport. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1661, 113-124.	1.4	45
20	Discrimination between the activity of protein kinase CK2 holoenzyme and its catalytic subunits. FEBS Letters, 2006, 580, 3948-3952.	1.3	42
21	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.	1.8	39
22	Generation and quantitative proteomics analysis of CK2Î±/Î±â€™(â^'/â^') cells. Scientific Reports, 2017, 7, 42409.	1.6	38
23	Quantitative analysis of a phosphoproteome readily altered by the protein kinase CK2 inhibitor quinalizarin in HEK-293T cells. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 609-623.	1.1	37
24	Exploring the CK2 Paradox: Restless, Dangerous, Dispensable. Pharmaceuticals, 2017, 10, 11.	1.7	36
25	Investigation on PLK2 and PLK3 substrate recognition. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 1366-1373.	1.1	32
26	Carbenoxolone Induces Oxidative Stress in Liver Mitochondria, Which Is Responsible for Transition Pore Opening. Endocrinology, 2005, 146, 2306-2312.	1.4	30
27	Design, validation and efficacy of bisubstrate inhibitors specifically affecting ecto-CK2 kinase activity. Biochemical Journal, 2015, 471, 415-430.	1.7	29
28	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.	1.0	28
29	Agmatine is transported into liver mitochondria by a specific electrophoretic mechanism. Biochemical Journal, 2006, 396, 337-345.	1.7	27
30	The protein kinase CK2 contributes to the malignant phenotype of cholangiocarcinoma cells. Oncogenesis, 2019, 8, 61.	2.1	27
31	A Journey through the Cytoskeleton with Protein Kinase CK2. Current Protein and Peptide Science, 2019, 20, 547-562.	0.7	27
32	Superiority of PLK-2 as Î±-synuclein phosphorylating agent relies on unique specificity determinants. Biochemical and Biophysical Research Communications, 2012, 418, 156-160.	1.0	26
33	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.	1.8	26
34	Targeting CK2 in cancer: a valuable strategy or a waste of time?. Cell Death Discovery, 2021, 7, 325.	2.0	26
35	Activity of CK2Î± protein kinase is required for efficient replication of some HPV types. PLoS Pathogens, 2019, 15, e1007788.	2.1	24
36	Protein kinase CK2 subunits exert specific and coordinated functions in skeletal muscle differentiation and fusogenic activity. FASEB Journal, 2019, 33, 10648-10667.	0.2	22

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37	Polo-like kinase 2 modulates Î±-synuclein protein levels by regulating its mRNA production. Neurobiology of Disease, 2017, 106, 49-62.	2.1	21
38	Variable contribution of protein kinases to the generation of the human phosphoproteome: a global weblogo analysis. Biomolecular Concepts, 2010, 1, 185-195.	1.0	20
39	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.	2.3	20
40	Glycyrrhetinic acid as inhibitor or amplifier of permeability transition in rat heart mitochondria. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 313-323.	1.4	19
41	Menadione induces a low conductance state of the mitochondrial inner membrane sensitive to bongkrekic acid. Free Radical Biology and Medicine, 2004, 37, 1073-1080.	1.3	18
42	Structural characterization of agmatine at physiological conditions. Structural Chemistry, 2006, 17, 163-175.	1.0	18
43	Gliotoxin induces Mg2+ efflux from intact brain mitochondria. Neurochemistry International, 2004, 45, 759-764.	1.9	17
44	Mitochondrial tyrosine phosphoproteome: New insights from an upâ€toâ€date analysis. BioFactors, 2010, 36, 437-450.	2.6	15
45	Comparing the efficacy and selectivity of Ck2 inhibitors. A phosphoproteomics approach. European Journal of Medicinal Chemistry, 2021, 214, 113217.	2.6	15
46	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.	1.1	14
47	Dependence of HSP27 cellular level on protein kinase CK2 discloses novel therapeutic strategies. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 2902-2910.	1.1	14
48	A proteomics analysis of CK2Î² ^(â^'/â^') C2C12 cells provides novel insights into the biological functions of the nonâ€catalytic Î² subunit. FEBS Journal, 2019, 286, 1561-1575.	2.2	14
49	â€œJanusâ€•efficacy of CX-5011: CK2 inhibition and methuosis induction by independent mechanisms. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118807.	1.9	14
50	CK2 involvement in ESCRT-III complex phosphorylation. Archives of Biochemistry and Biophysics, 2014, 545, 83-91.	1.4	13
51	Proteomics perturbations promoted by the protein kinase CK2 inhibitor quinalizarin. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 1676-1686.	1.1	13
52	The Acidophilic Kinases PLK2 and PLK3: Structure, Substrate Targeting and Inhibition. Current Protein and Peptide Science, 2018, 19, 728-745.	0.7	13
53	Protective effect of N-(2-propynyl)-2-(5-benzyloxy-indolyl) methylamine (PF9601N) on mitochondrial permeability transition. Cellular and Molecular Life Sciences, 2006, 63, 1440-1448.	2.4	12
54	A Comparative Analysis and Review of lysyl Residues Affected by Posttranslational Modifications. Current Genomics, 2015, 16, 128-138.	0.7	12

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55	Effects of CK2Î² subunit down-regulation on Akt signalling in HK-2 renal cells. PLoS ONE, 2020, 15, e0227340.	1.1	11
56	Targeting the E1 ubiquitin-activating enzyme (UBA1) improves elexacaftor/tezacaftor/ivacaftor efficacy towards F508del and rare misfolded CFTR mutants. Cellular and Molecular Life Sciences, 2022, 79, 192.	2.4	11
57	Fam20C is under the control of sphingolipid signaling in human cell lines. FEBS Journal, 2017, 284, 1246-1257.	2.2	10
58	The Golgi â€˜casein kinaseâ€™ Fam20C is a genuine â€˜phosvitin kinaseâ€™ and phosphorylates polyserine stretches devoid of the canonical consensus. FEBS Journal, 2018, 285, 4674-4683.	2.2	10
59	Tools to discriminate between targets of CK2 vs PLK2/PLK3 acidophilic kinases. BioTechniques, 2012, 53, 1-5.	0.8	9
60	CK2 is a key regulator of SLC4A2-mediated Clâˆ’/HCO3 âˆ’ exchange in human airway epithelia. Pflugers Archiv European Journal of Physiology, 2017, 469, 1073-1091.	1.3	9
61	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.	1.0	9
62	Contribution of the CK2 Catalytic Isoforms Î± and Î±â€™ to the Glycolytic Phenotype of Tumor Cells. Cells, 2021, 10, 181.	1.8	9
63	Identification of the PLK2-Dependent Phosphopeptidome by Quantitative Proteomics. PLoS ONE, 2014, 9, e111018.	1.1	9
64	Aroclor 1254 Inhibits the Mitochondrial Permeability Transition and Release of Cytochrome c: A Possible Mechanism for Its in Vivo Toxicity. Toxicology and Applied Pharmacology, 2001, 176, 92-100.	1.3	7
65	Phosphorylation of Recombinant Human Spermidine/Spermine N1-Acetyltransferase by CK1 and Modulation of Its Binding to Mitochondria: A Comparison with CK2. Biochemical and Biophysical Research Communications, 2002, 290, 463-468.	1.0	7
66	Peroxovanadate inhibits Ca 2+ release from mitochondria. Cellular and Molecular Life Sciences, 2002, 59, 1190-1197.	2.4	7
67	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.	1.8	7
68	Receptor Tyrosine Kinases Take a Direct Route to Mitochondria: An Overview. Current Protein and Peptide Science, 2013, 14, 635-640.	0.7	6
69	Non-Histone Protein Methylation: Molecular Mechanisms and Physiopathological Relevance. Current Protein and Peptide Science, 2020, 21, 640-641.	0.7	6
70	The effect of methylglyoxal-bis(guanylhydrazone) on mitochondrial Ca2+ fluxes. Biochemical Pharmacology, 2002, 63, 247-250.	2.0	4
71	Matching up Phosphosites to Kinases: A Survey of Available Predictive Programs. Current Bioinformatics, 2010, 5, 141-152.	0.7	4
72	Reciprocal effects between spermine and Mg2+ on their movements across the mitochondrial membrane. Archives of Biochemistry and Biophysics, 2003, 411, 262-266.	1.4	3

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73	Chapter 7 Analysis of Tyrosineâ€Phosphorylated Proteins in Rat Brain Mitochondria. Methods in Enzymology, 2009, 457, 117-136.	0.4	3
74	A mutational approach to dissect the functional role of the putative CFTR â€œPTM-CODEâ€. Journal of Cystic Fibrosis, 2021, 20, 891-894.	0.3	3
75	Membrane binding and transport of N-aminoethyl-1,2-diamino ethane (dien) and N-aminopropyl-1,3-diamino propane (propen) by rat liver mitochondria and their effects on membrane permeability transition. Molecular Membrane Biology, 2004, 21, 109-118.	2.0	1
76	Development of small cyclic peptides targeting the CK2Î±/Î² interface. Chemical Communications, 2022, , .	2.2	1
77	To the Editor. Toxicology and Applied Pharmacology, 2002, 180, 64.	1.3	0
78	Editorial of Special Issue â€œProtein Post-Translational Modifications in Signal Transduction and Diseasesâ€. International Journal of Molecular Sciences, 2021, 22, 2232.	1.8	0
79	Dissecting the Role of K61/K59 Residue in VPS4 Functions. Protein and Peptide Letters, 2016, 23, 518-524.	0.4	0