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	Development of small cyclic peptides targeting the CK2Î±/Î² interface. Chemical Communications, 2022, , .	2.2	1
2	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
3	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
4	Comparing the efficacy and selectivity of Ck2 inhibitors. A phosphoproteomics approach. European Journal of Medicinal Chemistry, 2021, 214, 113217.	2.6	15
5	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
6	Protein kinase CK2: a potential therapeutic target for diverse human diseases. Signal Transduction and Targeted Therapy, 2021, 6, 183.	7.1	145
7	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
8	Contribution of the CK2 Catalytic Isoforms Î± and Î±â€™ to the Glycolytic Phenotype of Tumor Cells. Cells, 2021, 10, 181.	1.8	9
9	Targeting CK2 in cancer: a valuable strategy or a waste of time?. Cell Death Discovery, 2021, 7, 325.	2.0	26
10	Effects of CK2Î² subunit down-regulation on Akt signalling in HK-2 renal cells. PLoS ONE, 2020, 15, e0227340.	1.1	11
11	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
12	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
13	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
14	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
15	Non-Histone Protein Methylation: Molecular Mechanisms and Physiopathological Relevance. Current Protein and Peptide Science, 2020, 21, 640-641.	0.7	6
16	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
17	The protein kinase CK2 contributes to the malignant phenotype of cholangiocarcinoma cells. Oncogenesis, 2019, 8, 61.	2.1	27
18	A Journey through the Cytoskeleton with Protein Kinase CK2. Current Protein and Peptide Science, 2019, 20, 547-562.	0.7	27

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19	Activity of CK2Î± protein kinase is required for efficient replication of some HPV types. PLoS Pathogens, 2019, 15, e1007788.	2.1	24
20	A proteomics analysis of CK2Î²^(âˆ’/âˆ’) C2C12 cells provides novel insights into the biological functions of the nonâ€catalytic Î² subunit. FEBS Journal, 2019, 286, 1561-1575.	2.2	14
21	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
22	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
23	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
24	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
25	The Acidophilic Kinases PLK2 and PLK3: Structure, Substrate Targeting and Inhibition. Current Protein and Peptide Science, 2018, 19, 728-745.	0.7	13
26	Generation and quantitative proteomics analysis of CK2Î±/Î±â€™(âˆ’/âˆ’) cells. Scientific Reports, 2017, 7, 42409.	1.6	38
27	Fam20C is under the control of sphingolipid signaling in human cell lines. FEBS Journal, 2017, 284, 1246-1257.	2.2	10
28	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
29	Polo-like kinase 2 modulates Î±-synuclein protein levels by regulating its mRNA production. Neurobiology of Disease, 2017, 106, 49-62.	2.1	21
30	Exploring the CK2 Paradox: Restless, Dangerous, Dispensable. Pharmaceuticals, 2017, 10, 11.	1.7	36
31	Dissecting the Role of K61/K59 Residue in VPS4 Functions. Protein and Peptide Letters, 2016, 23, 518-524.	0.4	0
32	Design, validation and efficacy of bisubstrate inhibitors specifically affecting ecto-CK2 kinase activity. Biochemical Journal, 2015, 471, 415-430.	1.7	29
33	Proteomics perturbations promoted by the protein kinase CK2 inhibitor quinalizarin. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 1676-1686.	1.1	13
34	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
35	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
36	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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37	CK2 involvement in ESCRT-III complex phosphorylation. Archives of Biochemistry and Biophysics, 2014, 545, 83-91.	1.4	13
38	Identification of the PLK2-Dependent Phosphopeptidome by Quantitative Proteomics. PLoS ONE, 2014, 9, e111018.	1.1	9
39	Receptor Tyrosine Kinases Take a Direct Route to Mitochondria: An Overview. Current Protein and Peptide Science, 2013, 14, 635-640.	0.7	6
40	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
41	Investigation on PLK2 and PLK3 substrate recognition. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 1366-1373.	1.1	32
42	Tools to discriminate between targets of CK2 vs PLK2/PLK3 acidophilic kinases. BioTechniques, 2012, 53, 1-5.	0.8	9
43	Mitochondrial tyrosine phosphoproteome: New insights from an upâ€toâ€date analysis. BioFactors, 2010, 36, 437-450.	2.6	15
44	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
45	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
46	Matching up Phosphosites to Kinases: A Survey of Available Predictive Programs. Current Bioinformatics, 2010, 5, 141-152.	0.7	4
47	Chapter 7 Analysis of Tyrosineâ€Phosphorylated Proteins in Rat Brain Mitochondria. Methods in Enzymology, 2009, 457, 117-136.	0.4	3
48	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
49	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
50	Identification of new tyrosine phosphorylated proteins in rat brain mitochondria. FEBS Letters, 2008, 582, 1104-1110.	1.3	54
51	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
52	Catalase Takes Part in Rat Liver Mitochondria Oxidative Stress Defense. Journal of Biological Chemistry, 2007, 282, 24407-24415.	1.6	180
53	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
54	Discrimination between the activity of protein kinase CK2 holoenzyme and its catalytic subunits. FEBS Letters, 2006, 580, 3948-3952.	1.3	42

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55	Agmatine is transported into liver mitochondria by a specific electrophoretic mechanism. Biochemical Journal, 2006, 396, 337-345.	1.7	27
56	Structural characterization of agmatine at physiological conditions. Structural Chemistry, 2006, 17, 163-175.	1.0	18
57	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
58	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
59	Amine oxidases in apoptosis and cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2006, 1765, 1-13.	3.3	47
60	Features and potentials of ATP-site directed CK2 inhibitors. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2005, 1754, 263-270.	1.1	69
61	Protein kinase CK2 phosphorylates and upregulates Akt/PKB. Cell Death and Differentiation, 2005, 12, 668-677.	5.0	291
62	Tyrosine phosphorylation in mitochondria: A new frontier in mitochondrial signaling. Free Radical Biology and Medicine, 2005, 38, 1267-1277.	1.3	101
63	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
64	Carbenoxolone Induces Oxidative Stress in Liver Mitochondria, Which Is Responsible for Transition Pore Opening. Endocrinology, 2005, 146, 2306-2312.	1.4	30
65	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
66	Tyrosine phosphatase activity in mitochondria: presence of Shp-2 phosphatase in mitochondria. Cellular and Molecular Life Sciences, 2004, 61, 2393-404.	2.4	71
67	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
68	On the mechanism of mitochondrial permeability transition induction by glycyrrhetinic acid. Biochimica Et Biophysica Acta - Bioenergetics, 2004, 1658, 195-201.	0.5	59
69	Effects of polyamines on mitochondrial Ca2+ transport. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1661, 113-124.	1.4	45
70	Gliotoxin induces Mg2+ efflux from intact brain mitochondria. Neurochemistry International, 2004, 45, 759-764.	1.9	17
71	Glycyrrhetinic acid-induced permeability transition in rat liver mitochondria. Biochemical Pharmacology, 2003, 66, 2375-2379.	2.0	62
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	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
74	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
75	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
76	The effect of methylglyoxal-bis(guanylhydrazone) on mitochondrial Ca2+ fluxes. Biochemical Pharmacology, 2002, 63, 247-250.	2.0	4
77	Peroxovanadate inhibits Ca 2+ release from mitochondria. Cellular and Molecular Life Sciences, 2002, 59, 1190-1197.	2.4	7
78	To the Editor. Toxicology and Applied Pharmacology, 2002, 180, 64.	1.3	0
79	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