Ivan Gout

List of Publications by Year
in descending order

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37 papers	2,299 citations	331670 21 h-index	361022 35 g-index
39 all docs	39 docs citations	39 times ranked	3213 citing authors

#	Article	IF	Citations
1	The TSC1-2 tumor suppressor controls insulinâ€“PI3K signaling via regulation of IRS proteins. Journal of Cell Biology, 2004, 166, 213-223.	5.2	1,013
2	Exome Sequence Reveals Mutations in CoA Synthase as a Cause of Neurodegeneration with Brain Iron Accumulation. American Journal of Human Genetics, 2014, 94, 11-22.	6.2	176
3	Molecular Cloning and Characterization of a Novel p70 S6 Kinase, p70 S6 Kinase Î² Containing a Proline-rich Region. Journal of Biological Chemistry, 1998, 273, 30061-30064.	3.4	133
4	Phosphorylation of Histone H3 Thr-45 Is Linked to Apoptosis. Journal of Biological Chemistry, 2009, 284, 16575-16583.	3.4	98
5	Coenzyme A, protein CoAlation and redox regulation in mammalian cells. Biochemical Society Transactions, 2018, 46, 721-728.	3.4	77
6	Protein CoAlation: a redox-regulated protein modification by coenzyme A in mammalian cells. Biochemical Journal, 2017, 474, 2489-2508.	3.7	65
7	Protein CoAlation and antioxidant function of coenzyme A in prokaryotic cells. Biochemical Journal, 2018, 475, 1909-1937.	3.7	60
8	Coenzyme A biosynthetic machinery in mammalian cells. Biochemical Society Transactions, 2014, 42, 1112-1117.	3.4	58
9	Coenzyme A and its derivatives: renaissance of a textbook classic. Biochemical Society Transactions, 2014, 42, 1025-1032.	3.4	56
10	Involvement of Heterogeneous Ribonucleoprotein F in the Regulation of Cell Proliferation via the Mammalian Target of Rapamycin/S6 Kinase 2 Pathway. Journal of Biological Chemistry, 2010, 285, 17065-17076.	3.4	49
11	Covalent Aurora A regulation by the metabolic integrator coenzyme A. Redox Biology, 2020, 28, 101318.	9.0	45
12	iPSC-derived neuronal models of PANK2-associated neurodegeneration reveal mitochondrial dysfunction contributing to early disease. PLoS ONE, 2017, 12, e0184104.	2.5	39
13	Coenzyme A: a protective thiol in bacterial antioxidant defence. Biochemical Society Transactions, 2019, 47, 469-476.	3.4	37
14	Regulation of ribosomal protein S6 kinases by ubiquitination. Biochemical and Biophysical Research Communications, 2008, 369, 382-387.	2.1	36
15	Signalling functions of coenzyme A and its derivatives in mammalian cells. Biochemical Society Transactions, 2014, 42, 1056-1062.	3.4	33
16	Specific interaction between S6K1 and CoA synthase: a potential link between the mTOR/S6K pathway, CoA biosynthesis and energy metabolism. FEBS Letters, 2004, 578, 357-362.	2.8	31
17	The Writers, Readers, and Erasers in Redox Regulation of GAPDH. Antioxidants, 2020, 9, 1288.	5.1	30
18	Changes in Acetyl CoA Levels during the Early Embryonic Development of Xenopus laevis. PLoS ONE, 2014, 9, e97693.	2.5	29

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19	Methods for measuring CoA and CoA derivatives in biological samples. Biochemical Society Transactions, 2014, 42, 1107-1111.	3.4	24
20	Distinct regulatory mechanism for p70 S6 kinase Î² from that for p70 S6 kinase Î±. Genes To Cells, 2001, 6, 1003-1015.	1.2	23
21	Ribosomal protein S6 kinase 1 interacts with and is ubiquitinated by ubiquitin ligase ROC1. Biochemical and Biophysical Research Communications, 2008, 369, 339-343.	2.1	22
22	Identification of the general transcription factor Yin Yang 1 as a novel and specific binding partner for S6 Kinase 2. Cellular Signalling, 2013, 25, 1054-1063.	3.6	22
23	A key metabolic integrator, coenzyme A, modulates the activity of peroxiredoxin 5 via covalent modification. Molecular and Cellular Biochemistry, 2019, 461, 91-102.	3.1	22
24	EDC4 interacts with and regulates the dephosphoâ€CoA kinase activity of CoA synthase. FEBS Letters, 2012, 586, 3590-3595.	2.8	18
25	Regulation of metastasis suppressor NME1 by a key metabolic cofactor coenzyme A. Redox Biology, 2021, 44, 101978.	9.0	17
26	S6 Kinase 2 Is Bound to Chromatinâ€Nuclear Matrix Cellular Fractions and Is Able to Phosphorylate Histone H3 at Threonine 45 In Vitro and In Vivo. Journal of Cellular Biochemistry, 2014, 115, 1048-1062.	2.6	14
27	Regulation of the CoA Biosynthetic Complex Assembly in Mammalian Cells. International Journal of Molecular Sciences, 2021, 22, 1131.	4.1	14
28	Analysis of tyrosine phosphorylation and phosphotyrosine-binding proteins in germinating seeds from Scots pine. Plant Physiology and Biochemistry, 2013, 67, 33-40.	5.8	10
29	Redox Regulation of the Quorum-sensing Transcription Factor AgrA by Coenzyme A. Antioxidants, 2021, 10, 841.	5.1	9
30	Extensive Anti-CoA Immunostaining in Alzheimerâ€™s Disease and Covalent Modification of Tau by a Key Cellular Metabolite Coenzyme A. Frontiers in Cellular Neuroscience, 2021, 15, 739425.	3.7	8
31	Coenzyme A and protein CoAlation levels are regulated in response to oxidative stress and during morphogenesis in Dictyostelium discoideum. Biochemical and Biophysical Research Communications, 2019, 511, 294-299.	2.1	7
32	Threeâ€dimensional cancer cell culture in highâ€yield multiscale scaffolds by shear spinning. Biotechnology Progress, 2019, 35, e2750.	2.6	6
33	Analysis of disulphide bond linkage between CoA and protein cysteine thiols during sporulation and in spores of Bacillus species. FEMS Microbiology Letters, 2020, 367, .	1.8	6
34	Profiling the Site of Protein CoAlation and Coenzyme A Stabilization Interactions. Antioxidants, 2022, 11, 1362.	5.1	6
35	Design and synthesis of Coenzyme A analogues as Aurora kinase A inhibitors: An exploration of the roles of the pyrophosphate and pantetheine moieties. Bioorganic and Medicinal Chemistry, 2020, 28, 115740.	3.0	4
36	Molecular cloning and characterization of a lipid transfer protein gene (PsLTP1) from Pinus sylvestris (L.). Journal of Forestry Research, 2019, 30, 1149-1158.	3.6	1

#	Article	IF	Citations
37	Arne Holmgren receives the 2018 SFRR international lifetime achievement and service award for his fantastic research in redox biology from Giovanni Mann. Redox Biology, 2021, 44, 102019.	9.0	0