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List of Publications by Year
in descending order

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Version: 2024-02-01

47 papers	1,811 citations	236925 25 h-index	265206 42 g-index
48 all docs	48 docs citations	48 times ranked	2641 citing authors

#	Article	IF	Citations
1	Mutations at a Zn(II) finger motif in the yeast eIF-2Î² gene alter ribosomal start-site selection during the scanning process. Cell, 1988, 54, 621-632.	28.9	297
2	Keeping the eIF2 alpha kinase Gcn2 in check. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 1948-1968.	4.1	231
3	In vivo DNA cloning and adjacent gene fusing with a mini-Mu-lac bacteriophage containing a plasmid replicon.. Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 1480-1483.	7.1	95
4	Prion protein interaction with stress-inducible protein 1 enhances neuronal protein synthesis via mTOR. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13147-13152.	7.1	93
5	IMPACT, a Protein Preferentially Expressed in the Mouse Brain, Binds GCN1 and Inhibits GCN2 Activation. Journal of Biological Chemistry, 2005, 280, 28316-28323.	3.4	69
6	The Î² Subunit of Eukaryotic Translation Initiation Factor 2 Binds mRNA through the Lysine Repeats and a Region Comprising the C₂-C₂ Motif. Molecular and Cellular Biology, 1999, 19, 173-181.	2.3	67
7	Novel Membrane-Bound eIF2Î± Kinase in the Flagellar Pocket of Trypanosoma brucei. Eukaryotic Cell, 2007, 6, 1979-1991.	3.4	65
8	Protein Synthesis Attenuation by Phosphorylation of eIF2Î± Is Required for the Differentiation of Trypanosoma cruzi into Infective Forms. PLoS ONE, 2011, 6, e27904.	2.5	53
9	IMPACT Is a Developmentally Regulated Protein in Neurons That Opposes the Eukaryotic Initiation Factor 2Î± Kinase GCN2 in the modulation of Neurite Outgrowth. Journal of Biological Chemistry, 2013, 288, 10860-10869.	3.4	53
10	Absence of cell wall chitin inSaccharomyces cerevisiae leads to resistance toKluyveromyces lactis killer toxin. Yeast, 1993, 9, 589-598.	1.7	46
11	A Plasmodium vivax Vaccine Candidate Displays Limited Allele Polymorphism, Which Does Not Restrict Recognition by Antibodies. Molecular Medicine, 1999, 5, 459-470.	4.4	43
12	A Membrane-bound eIF2 Alpha Kinase Located in Endosomes Is Regulated by Heme and Controls Differentiation and ROS Levels in Trypanosoma cruzi. PLoS Pathogens, 2015, 11, e1004618.	4.7	40
13	Evidence That Eukaryotic Translation Elongation Factor 1A (eEF1A) Binds the Gcn2 Protein C Terminus and Inhibits Gcn2 Activity*. Journal of Biological Chemistry, 2011, 286, 36568-36579.	3.4	39
14	Translation initiation at non-AUG codons mediated by weakened association of eukaryotic initiation factor (eIF) 2 subunits. Biochemical Journal, 2002, 367, 359-368.	3.7	36
15	Biophysical characterization of Gir2, a highly acidic protein of Saccharomyces cerevisiae with anomalous electrophoretic behavior. Biochemical and Biophysical Research Communications, 2004, 314, 229-234.	2.1	36
16	Conserved sequences in the Î² subunit of archaeal and eukaryal translation initiation factor 2 (eIF2), absent from eIF5, mediate interaction with eIF2Î³. Biochemical Journal, 2000, 347, 703-709.	3.7	35
17	The Shwachmanâ€“Bodianâ€“Diamond syndrome associated protein interacts with HsNip7 and its down-regulation affects gene expression at the transcriptional and translational levels. Experimental Cell Research, 2007, 313, 4180-4195.	2.6	30
18	Perturbations in actin dynamics reconfigure protein complexes that modulate GCN2 activity and promote an eIF2 response. Journal of Cell Science, 2016, 129, 4521-4533.	2.0	30

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19	Salicylates Trigger Protein Synthesis Inhibition in a Protein Kinase R-like Endoplasmic Reticulum Kinase-dependent Manner. Journal of Biological Chemistry, 2007, 282, 10164-10171.	3.4	29
20	Antibody response against Escherichia coli heat-stable enterotoxin expressed as fusions to flagellin. Microbiology (United Kingdom), 2001, 147, 861-867.	1.8	29
21	Gcn1 and Actin Binding to Yih1. Journal of Biological Chemistry, 2011, 286, 10341-10355.	3.4	28
22	The NIP7 protein is required for accurate pre-rRNA processing in human cells. Nucleic Acids Research, 2011, 39, 648-665.	14.5	27
23	GCN2 kinase plays an important role triggering the remission phase of experimental autoimmune encephalomyelitis (EAE) in mice. Brain, Behavior, and Immunity, 2014, 37, 177-186.	4.1	27
24	Phosphorylation of the Î± subunit of translation initiation factor-2 by PKR mediates protein synthesis inhibition in the mouse brain during status epilepticus. Biochemical Journal, 2006, 397, 187-194.	3.7	25
25	Eukaryotic initiation factor 5A dephosphorylation is required for translational arrest in stationary phase cells. Biochemical Journal, 2013, 451, 257-267.	3.7	25
26	Evolutionarily conserved IMPACT impairs various stress responses that require GCN1 for activating the eIF2 kinase GCN2. Biochemical and Biophysical Research Communications, 2014, 443, 592-597.	2.1	25
27	Distribution of the protein IMPACT, an inhibitor of GCN2, in the mouse, rat, and marmoset brain. Journal of Comparative Neurology, 2008, 507, 1811-1830.	1.6	23
28	Topical Dexamethasone Administration Impairs Protein Synthesis and Neuronal Regeneration in the Olfactory Epithelium. Frontiers in Molecular Neuroscience, 2018, 11, 50.	2.9	23
29	Phosphorylation of translation initiation factor eIF2Î± in the brain during pilocarpine-induced status epilepticus in mice. Neuroscience Letters, 2004, 357, 191-194.	2.1	22
30	Gir2 is an intrinsically unstructured protein that is present in Saccharomyces cerevisiae as a group of heterogeneously electrophoretic migrating forms. Biochemical and Biophysical Research Communications, 2005, 332, 450-455.	2.1	17
31	The Gcn2 Regulator Yih1 Interacts with the Cyclin Dependent Kinase Cdc28 and Promotes Cell Cycle Progression through G2/M in Budding Yeast. PLoS ONE, 2015, 10, e0131070.	2.5	17
32	IMPACT is a GCN2 inhibitor that limits lifespan in Caenorhabditis elegans. BMC Biology, 2016, 14, 87.	3.8	16
33	A new tetracycline resistance determinant cloned from Proteus mirabilis. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1998, 1443, 262-266.	2.4	15
34	GCN2 activation and eIF2Î± phosphorylation in the maturation of mouse oocytes. Biochemical and Biophysical Research Communications, 2009, 378, 41-44.	2.1	15
35	Dietary sulfur amino acid restriction upregulates DICER to confer beneficial effects. Molecular Metabolism, 2019, 29, 124-135.	6.5	15
36	Conserved sequences in the Î² subunit of archaeal and eukaryal translation initiation factor 2 (eIF2), absent from eIF5, mediate interaction with eIF2Î³. Biochemical Journal, 2000, 347, 703.	3.7	13

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37	A Rapid Extraction Method for mammalian cell cultures, suitable for quantitative immunoblotting analysis of proteins, including phosphorylated GCN2 and eIF2a. MethodsX, 2018, 5, 75-82.	1.6	10
38	Yeast as a Model to Understand Actin-Mediated Cellular Functions in Mammalsâ€"Illustrated with Four Actin Cytoskeleton Proteins. Cells, 2020, 9, 672.	4.1	10
39	Adhesion of Escherichia coli to HeLa Cells Mediated by Trypanosoma cruzi Surface Glycoprotein-Derived Peptides Inserted in the Outer Membrane Protein LamB. Infection and Immunity, 1999, 67, 4908-4911.	2.2	10
40	Mapping of B cell epitopes in an immunodominant antigen ofTrypanosoma cruziusing fusions to theEscherichia coliLamB protein. FEMS Microbiology Letters, 1998, 164, 125-131.	1.8	9
41	Phosphorylation of eIF2Î± on Threonine 169 is not required for Trypanosoma brucei cell cycle arrest during differentiation. Molecular and Biochemical Parasitology, 2016, 205, 16-21.	1.1	8
42	The GCN2 inhibitor IMPACT contributes to diet-induced obesity and body temperature control. PLoS ONE, 2019, 14, e0217287.	2.5	7
43	Multiple RNAs from the mouse carboxypeptidase M locus: functional RNAs or transcription noise?. BMC Molecular Biology, 2009, 10, 7.	3.0	3
44	Characterization of the Trypanosoma cruzi ortholog of the SBDS protein reveals an intrinsically disordered extended C-terminal region showing RNA-interacting activity. Biochimie, 2009, 91, 475-483.	2.6	3
45	Epitope mapping of a single repetitive unit of the B13Trypanosoma cruziantigen as fusions toEscherichia coliLamB protein. FEMS Microbiology Letters, 2004, 235, 237-242.	1.8	1
46	Epitope mapping of a single repetitive unit of the B13 Trypanosoma cruzi antigen as fusions to Escherichia coli LamB protein. FEMS Microbiology Letters, 2004, 235, 237-242.	1.8	1
47	Mapping of B cell epitopes in an immunodominant antigen of Trypanosoma cruzi using fusions to the Escherichia coli LamB protein. FEMS Microbiology Letters, 1998, 164, 125-131.	1.8	0