

Xuemin Wang

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

3,977

citations

31

h-index

63

g-index

64

ext. papers

4,449

ext. citations

5.5

avg, IF

5.39

L-index

#	Paper	IF	Citations
62	The mTOR pathway in the control of protein synthesis. <i>Physiology</i> , 2006 , 21, 362-9	9.8	438
61	Amino acid availability regulates p70 S6 kinase and multiple translation factors. <i>Biochemical Journal</i> , 1998 , 334 (Pt 1), 261-7	3.8	293
60	The kinase DYRK phosphorylates protein-synthesis initiation factor eIF2Bepsilon at Ser539 and the microtubule-associated protein tau at Thr212: potential role for DYRK as a glycogen synthase kinase 3-priming kinase. <i>Biochemical Journal</i> , 2001 , 355, 609-15	3.8	266
59	The phosphorylation of eukaryotic initiation factor eIF4E in response to phorbol esters, cell stresses, and cytokines is mediated by distinct MAP kinase pathways. <i>Journal of Biological Chemistry</i> , 1998 , 273, 9373-7	5.4	251
58	Distinct signaling events downstream of mTOR cooperate to mediate the effects of amino acids and insulin on initiation factor 4E-binding proteins. <i>Molecular and Cellular Biology</i> , 2005 , 25, 2558-72	4.8	178
57	mTOR inhibitors in cancer therapy. <i>F1000Research</i> , 2016 , 5,	3.6	176
56	Nutrient control of TORC1, a cell-cycle regulator. <i>Trends in Cell Biology</i> , 2009 , 19, 260-7	18.3	156
55	Cellular stresses profoundly inhibit protein synthesis and modulate the states of phosphorylation of multiple translation factors. <i>FEBS Journal</i> , 2002 , 269, 3076-85		131
54	Re-evaluating the roles of proposed modulators of mammalian target of rapamycin complex 1 (mTORC1) signaling. <i>Journal of Biological Chemistry</i> , 2008 , 283, 30482-92	5.4	118
53	Eukaryotic elongation factor 2 kinase, an unusual enzyme with multiple roles. <i>Advances in Biological Regulation</i> , 2014 , 55, 15-27	6.2	117
52	mTORC1 signaling: what we still don't know. <i>Journal of Molecular Cell Biology</i> , 2011 , 3, 206-20	6.3	108
51	Target of rapamycin (TOR)-signaling and RAIP motifs play distinct roles in the mammalian TOR-dependent phosphorylation of initiation factor 4E-binding protein 1. <i>Journal of Biological Chemistry</i> , 2003 , 278, 40717-22	5.4	102
50	Mutations linked to leukoencephalopathy with vanishing white matter impair the function of the eukaryotic initiation factor 2B complex in diverse ways. <i>Molecular and Cellular Biology</i> , 2004 , 24, 3295-306	4.8	95
49	Activation of mRNA translation in rat cardiac myocytes by insulin involves multiple rapamycin-sensitive steps. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000 , 278, H1056-68	5.2	93
48	ABC50 interacts with eukaryotic initiation factor 2 and associates with the ribosome in an ATP-dependent manner. <i>Journal of Biological Chemistry</i> , 2000 , 275, 34131-9	5.4	91
47	The C terminus of initiation factor 4E-binding protein 1 contains multiple regulatory features that influence its function and phosphorylation. <i>Molecular and Cellular Biology</i> , 2003 , 23, 1546-57	4.8	90
46	Activation of translation initiation factor eIF2B by insulin requires phosphatidylinositol 3-kinase. <i>FEBS Letters</i> , 1997 , 410, 418-22	3.8	89

45	ABC50 promotes translation initiation in mammalian cells. <i>Journal of Biological Chemistry</i> , 2009 , 284, 24061-73	5.4	74
44	Nutrients differentially regulate multiple translation factors and their control by insulin. <i>Biochemical Journal</i> , 1999 , 344, 433-441	3.8	68
43	Eukaryotic elongation factor 2 kinase activity is controlled by multiple inputs from oncogenic signaling. <i>Molecular and Cellular Biology</i> , 2014 , 34, 4088-103	4.8	65
42	Heat shock increases the association of binding protein-1 with initiation factor 4E. <i>Journal of Biological Chemistry</i> , 1997 , 272, 32779-84	5.4	61
41	Severity of vanishing white matter disease does not correlate with deficits in eIF2B activity or the integrity of eIF2B complexes. <i>Human Mutation</i> , 2011 , 32, 1036-45	4.7	52
40	Impaired associative taste learning and abnormal brain activation in kinase-defective eEF2K mice. <i>Learning and Memory</i> , 2012 , 19, 116-25	2.8	52
39	Elongation Factor 2 Kinase Is Regulated by Proline Hydroxylation and Protects Cells during Hypoxia. <i>Molecular and Cellular Biology</i> , 2015 , 35, 1788-804	4.8	51
38	Identification of autophosphorylation sites in eukaryotic elongation factor-2 kinase. <i>Biochemical Journal</i> , 2012 , 442, 681-92	3.8	47
37	A novel mechanism for the control of translation initiation by amino acids, mediated by phosphorylation of eukaryotic initiation factor 2B. <i>Molecular and Cellular Biology</i> , 2008 , 28, 1429-42	4.8	46
36	p70 S6 kinase is activated by sodium arsenite in adult rat cardiomyocytes: roles for phosphatidylinositol 3-kinase and p38 MAP kinase. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 238, 207-12	3.4	45
35	ANG II activates effectors of mTOR via PI3-K signaling in human coronary smooth muscle cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 287, H1232-8	5.2	43
34	Evidence that the dephosphorylation of Ser(535) in the epsilon-subunit of eukaryotic initiation factor (eIF) 2B is insufficient for the activation of eIF2B by insulin. <i>Biochemical Journal</i> , 2002 , 367, 475-81	3.8	38
33	Regulation of the Elongation Phase of Protein Synthesis Enhances Translation Accuracy and Modulates Lifespan. <i>Current Biology</i> , 2019 , 29, 737-749.e5	6.3	35
32	Glucose exerts a permissive effect on the regulation of the initiation factor 4E binding protein 4E-BP1. <i>Biochemical Journal</i> , 2001 , 358, 497-503	3.8	31
31	Eukaryotic elongation factor 2 kinase regulates the synthesis of microtubule-related proteins in neurons. <i>Journal of Neurochemistry</i> , 2016 , 136, 276-84	6	29
30	Methods for studying signal-dependent regulation of translation factor activity. <i>Methods in Enzymology</i> , 2007 , 431, 113-42	1.7	29
29	Adult-onset leukoencephalopathies with vanishing white matter with novel missense mutations in EIF2B2, EIF2B3, and EIF2B5. <i>Neurogenetics</i> , 2011 , 12, 259-61	3	28
28	Elongation factor 2 kinase promotes cell survival by inhibiting protein synthesis without inducing autophagy. <i>Cellular Signalling</i> , 2016 , 28, 284-93	4.9	28

27	Eukaryotic Elongation Factor 2 Kinase (eEF2K) in Cancer. <i>Cancers</i> , 2017 , 9,	6.6	24
26	Glucose exerts a permissive effect on the regulation of the initiation factor 4E binding protein 4E-BP1. <i>Biochemical Journal</i> , 2001 , 358, 497-503	3.8	24
25	Rheb activates protein synthesis and growth in adult rat ventricular cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2008 , 45, 812-20	5.8	22
24	Eukaryotic elongation factor 2 kinase upregulates the expression of proteins implicated in cell migration and cancer cell metastasis. <i>International Journal of Cancer</i> , 2018 , 142, 1865-1877	7.5	22
23	Nutrients differentially regulate multiple translation factors and their control by insulin. <i>Biochemical Journal</i> , 1999 , 344, 433	3.8	21
22	A novel role for CRTC2 in hepatic cholesterol synthesis through SREBP-2. <i>Hepatology</i> , 2017 , 66, 481-497	11.2	20
21	Glycine restores the anabolic response to leucine in a mouse model of acute inflammation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 310, E970-81	6	19
20	Who does TORC2 talk to?. <i>Biochemical Journal</i> , 2018 , 475, 1721-1738	3.8	19
19	mTORC2 is a tyrosine kinase. <i>Cell Research</i> , 2016 , 26, 1-2	24.7	18
18	Identification of residues that underpin interactions within the eukaryotic initiation factor (eIF2) 2B complex. <i>Journal of Biological Chemistry</i> , 2012 , 287, 8263-74	5.4	18
17	eEF2K enhances expression of PD-L1 by promoting the translation of its mRNA. <i>Biochemical Journal</i> , 2020 , 477, 4367-4381	3.8	17
16	The eEF2 kinase-induced STAT3 inactivation inhibits lung cancer cell proliferation by phosphorylation of PKM2. <i>Cell Communication and Signaling</i> , 2020 , 18, 25	7.5	16
15	Functional analysis of recently identified mutations in eukaryotic translation initiation factor 2Be (eIF2Be) identified in Chinese patients with vanishing white matter disease. <i>Journal of Human Genetics</i> , 2011 , 56, 300-5	4.3	16
14	Evaluation of mTOR-regulated mRNA translation. <i>Methods in Molecular Biology</i> , 2012 , 821, 171-85	1.4	15
13	Blocking eukaryotic initiation factor 4F complex formation does not inhibit the mTORC1-dependent activation of protein synthesis in cardiomyocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 296, H505-14	5.2	15
12	Oncogenic MNK signalling regulates the metastasis suppressor NDRG1. <i>Oncotarget</i> , 2017 , 8, 46121-46135	3.5	15
11	Regulated stability of eukaryotic elongation factor 2 kinase requires intrinsic but not ongoing activity. <i>Biochemical Journal</i> , 2015 , 467, 321-31	3.8	14
10	Design, synthesis and activity of Mnk1 and Mnk2 selective inhibitors containing thieno[2,3-d]pyrimidine scaffold. <i>European Journal of Medicinal Chemistry</i> , 2019 , 162, 735-751	6.8	14

9	Non-high-density lipoprotein cholesterol is more informative than traditional cholesterol indices in predicting diabetes risk for women with normal glucose tolerance. <i>Journal of Diabetes Investigation</i> , 2018 , 9, 1304-1311	3.9	6
8	Reciprocal signaling between mTORC1 and MNK2 controls cell growth and oncogenesis. <i>Cellular and Molecular Life Sciences</i> , 2021 , 78, 249-270	10.3	5
7	Progress in developing MNK inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2021 , 219, 113420	6.8	5
6	The composition of the gut microbiota following early-life antibiotic exposure affects host health and longevity in later life. <i>Cell Reports</i> , 2021 , 36, 109564	10.6	5
5	The prohibitin-binding compound fluorizoline affects multiple components of the translational machinery and inhibits protein synthesis. <i>Journal of Biological Chemistry</i> , 2020 , 295, 9855-9867	5.4	3
4	Disabling MNK protein kinases promotes oxidative metabolism and protects against diet-induced obesity. <i>Molecular Metabolism</i> , 2020 , 42, 101054	8.8	2
3	Elongation factor eEF2 kinase and autophagy jointly promote survival of cancer cells. <i>Biochemical Journal</i> , 2021 , 478, 1547-1569	3.8	1
2	Role of Eukaryotic Initiation Factor eIF2B in Vanishing White Matter Disease 2021 , 594-618		1
1	The role of eIF2 phosphorylation in cell and organismal physiology: new roles for well-known actors. <i>Biochemical Journal</i> , 2022 , 479, 1059-1082	3.8	1