Xuemin Wang

List of Publications by Year in Descending Order

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 role of eIF2 phosphorylation in cell and organismal physiology: new roles for well-known actors. *Biochemical Journal*, **2022**, 479, 1059-1082	3.8	1
61	Elongation factor eEF2 kinase and autophagy jointly promote survival of cancer cells. *Biochemical Journal*, **2021**, 478, 1547-1569	3.8	1
60	Reciprocal signaling between mTORC1 and MNK2 controls cell growth and oncogenesis. *Cellular and Molecular Life Sciences*, **2021**, 78, 249-270	10.3	5
59	Role of Eukaryotic Initiation Factor eIF2B in Vanishing White Matter Disease **2021**, 594-618		1
58	Progress in developing MNK inhibitors. *European Journal of Medicinal Chemistry*, **2021**, 219, 113420	6.8	5
57	The composition of the gut microbiota following early-life antibiotic exposure affects host health and longevity in later life. *Cell Reports*, **2021**, 36, 109564	10.6	5
56	The prohibitin-binding compound fluorizoline affects multiple components of the translational machinery and inhibits protein synthesis. *Journal of Biological Chemistry*, **2020**, 295, 9855-9867	5.4	3
55	The eEF2 kinase-induced STAT3 inactivation inhibits lung cancer cell proliferation by phosphorylation of PKM2. *Cell Communication and Signaling*, **2020**, 18, 25	7.5	16
54	eEF2K enhances expression of PD-L1 by promoting the translation of its mRNA. *Biochemical Journal* , **2020**, 477, 4367-4381	3.8	17
53	Disabling MNK protein kinases promotes oxidative metabolism and protects against diet-induced obesity. *Molecular Metabolism*, **2020**, 42, 101054	8.8	2
52	Regulation of the Elongation Phase of Protein Synthesis Enhances Translation Accuracy and Modulates Lifespan. *Current Biology*, **2019**, 29, 737-749.e5	6.3	35
51	Design, synthesis and activity of Mnk1 and Mnk2 selective inhibitors containing thieno[2,3-d]pyrimidine scaffold. *European Journal of Medicinal Chemistry*, **2019**, 162, 735-751	6.8	14
50	Non-high-density lipoprotein cholesterol is more informative than traditional cholesterol indices in predicting diabetes risk for women with normal glucose tolerance. *Journal of Diabetes Investigation* , **2018**, 9, 1304-1311	3.9	6
49	Eukaryotic elongation factor 2 kinase upregulates the expression of proteins implicated in cell migration and cancer cell metastasis. *International Journal of Cancer*, **2018**, 142, 1865-1877	7.5	22
48	Who does TORC2 talk to?. *Biochemical Journal*, **2018**, 475, 1721-1738	3.8	19
47	A novel role for CRTC2 in hepatic cholesterol synthesis through SREBP-2. *Hepatology*, **2017**, 66, 481-497	11.2	20
46	Eukaryotic Elongation Factor 2 Kinase (eEF2K) in Cancer. *Cancers*, **2017**, 9,	6.6	24

45	Oncogenic MNK signalling regulates the metastasis suppressor NDRG1. *Oncotarget*, **2017**, 8, 46121-46135	5.3	15
44	Glycine restores the anabolic response to leucine in a mouse model of acute inflammation. *American Journal of Physiology - Endocrinology and Metabolism*, **2016**, 310, E970-81	6	19
43	mTORC2 is a tyrosine kinase. *Cell Research*, **2016**, 26, 1-2	24.7	18
42	Eukaryotic elongation factor 2 kinase regulates the synthesis of microtubule-related proteins in neurons. *Journal of Neurochemistry*, **2016**, 136, 276-84	6	29
41	mTOR inhibitors in cancer therapy. *F1000Research*, **2016**, 5,	3.6	176
40	Elongation factor 2 kinase promotes cell survival by inhibiting protein synthesis without inducing autophagy. *Cellular Signalling*, **2016**, 28, 284-93	4.9	28
39	Regulated stability of eukaryotic elongation factor 2 kinase requires intrinsic but not ongoing activity. *Biochemical Journal*, **2015**, 467, 321-31	3.8	14
38	Elongation Factor 2 Kinase Is Regulated by Proline Hydroxylation and Protects Cells during Hypoxia. *Molecular and Cellular Biology*, **2015**, 35, 1788-804	4.8	51
37	Eukaryotic elongation factor 2 kinase activity is controlled by multiple inputs from oncogenic signaling. *Molecular and Cellular Biology*, **2014**, 34, 4088-103	4.8	65
36	Eukaryotic elongation factor 2 kinase, an unusual enzyme with multiple roles. *Advances in Biological Regulation*, **2014**, 55, 15-27	6.2	117
35	Evaluation of mTOR-regulated mRNA translation. *Methods in Molecular Biology*, **2012**, 821, 171-85	1.4	15
34	Identification of autophosphorylation sites in eukaryotic elongation factor-2 kinase. *Biochemical Journal*, **2012**, 442, 681-92	3.8	47
33	Identification of residues that underpin interactions within the eukaryotic initiation factor (eIF2) 2B complex. *Journal of Biological Chemistry*, **2012**, 287, 8263-74	5.4	18
32	Impaired associative taste learning and abnormal brain activation in kinase-defective eEF2K mice. *Learning and Memory*, **2012**, 19, 116-25	2.8	52
31	Adult-onset leukoencephalopathies with vanishing white matter with novel missense mutations in EIF2B2, EIF2B3, and EIF2B5. *Neurogenetics*, **2011**, 12, 259-61	3	28
30	Severity of vanishing white matter disease does not correlate with deficits in eIF2B activity or the integrity of eIF2B complexes. *Human Mutation*, **2011**, 32, 1036-45	4.7	52
29	mTORC1 signaling: what we still don't know. *Journal of Molecular Cell Biology*, **2011**, 3, 206-20	6.3	108
28	Functional analysis of recently identified mutations in eukaryotic translation initiation factor 2Be (eIF2Be) identified in Chinese patients with vanishing white matter disease. *Journal of Human Genetics*, **2011**, 56, 300-5	4.3	16

27	ABC50 promotes translation initiation in mammalian cells. *Journal of Biological Chemistry*, **2009**, 284, 24061-73	5.4	74
26	Blocking eukaryotic initiation factor 4F complex formation does not inhibit the mTORC1-dependent activation of protein synthesis in cardiomyocytes. *American Journal of Physiology - Heart and Circulatory Physiology*, **2009**, 296, H505-14	5.2	15
25	Nutrient control of TORC1, a cell-cycle regulator. *Trends in Cell Biology*, **2009**, 19, 260-7	18.3	156
24	Rheb activates protein synthesis and growth in adult rat ventricular cardiomyocytes. *Journal of Molecular and Cellular Cardiology*, **2008**, 45, 812-20	5.8	22
23	A novel mechanism for the control of translation initiation by amino acids, mediated by phosphorylation of eukaryotic initiation factor 2B. *Molecular and Cellular Biology*, **2008**, 28, 1429-42	4.8	46
22	Re-evaluating the roles of proposed modulators of mammalian target of rapamycin complex 1 (mTORC1) signaling. *Journal of Biological Chemistry*, **2008**, 283, 30482-92	5.4	118
21	Methods for studying signal-dependent regulation of translation factor activity. *Methods in Enzymology*, **2007**, 431, 113-42	1.7	29
20	The mTOR pathway in the control of protein synthesis. *Physiology*, **2006**, 21, 362-9	9.8	438
19	Distinct signaling events downstream of mTOR cooperate to mediate the effects of amino acids and insulin on initiation factor 4E-binding proteins. *Molecular and Cellular Biology*, **2005**, 25, 2558-72	4.8	178
18	Mutations linked to leukoencephalopathy with vanishing white matter impair the function of the eukaryotic initiation factor 2B complex in diverse ways. *Molecular and Cellular Biology*, **2004**, 24, 3295-306	4.8	95
17	ANG II activates effectors of mTOR via PI3-K signaling in human coronary smooth muscle cells. *American Journal of Physiology - Heart and Circulatory Physiology*, **2004**, 287, H1232-8	5.2	43
16	Target of rapamycin (TOR)-signaling and RAIP motifs play distinct roles in the mammalian TOR-dependent phosphorylation of initiation factor 4E-binding protein 1. *Journal of Biological Chemistry*, **2003**, 278, 40717-22	5.4	102
15	The C terminus of initiation factor 4E-binding protein 1 contains multiple regulatory features that influence its function and phosphorylation. *Molecular and Cellular Biology*, **2003**, 23, 1546-57	4.8	90
14	Cellular stresses profoundly inhibit protein synthesis and modulate the states of phosphorylation of multiple translation factors. *FEBS Journal*, **2002**, 269, 3076-85		131
13	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. *Biochemical Journal*, **2002**, 367, 475-81	3.8	38
12	Glucose exerts a permissive effect on the regulation of the initiation factor 4E binding protein 4E-BP1. *Biochemical Journal*, **2001**, 358, 497-503	3.8	31
11	Glucose exerts a permissive effect on the regulation of the initiation factor 4E binding protein 4E-BP1. *Biochemical Journal*, **2001**, 358, 497-503	3.8	24
10	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. *Biochemical Journal*, **2001**, 355, 609-15	3.8	266

9	Activation of mRNA translation in rat cardiac myocytes by insulin involves multiple rapamycin-sensitive steps. *American Journal of Physiology - Heart and Circulatory Physiology*, **2000**, 278, H1056-68	5.2	93
8	ABC50 interacts with eukaryotic initiation factor 2 and associates with the ribosome in an ATP-dependent manner. *Journal of Biological Chemistry*, **2000**, 275, 34131-9	5.4	91
7	Nutrients differentially regulate multiple translation factors and their control by insulin. *Biochemical Journal*, **1999**, 344, 433-441	3.8	68
6	Nutrients differentially regulate multiple translation factors and their control by insulin. *Biochemical Journal*, **1999**, 344, 433	3.8	21
5	The phosphorylation of eukaryotic initiation factor eIF4E in response to phorbol esters, cell stresses, and cytokines is mediated by distinct MAP kinase pathways. *Journal of Biological Chemistry* , **1998**, 273, 9373-7	5.4	251
4	Amino acid availability regulates p70 S6 kinase and multiple translation factors. *Biochemical Journal* , **1998**, 334 (Pt 1), 261-7	3.8	293
3	Heat shock increases the association of binding protein-1 with initiation factor 4E. *Journal of Biological Chemistry*, **1997**, 272, 32779-84	5.4	61
2	p70 S6 kinase is activated by sodium arsenite in adult rat cardiomyocytes: roles for phosphatidylinositol 3-kinase and p38 MAP kinase. *Biochemical and Biophysical Research Communications*, **1997**, 238, 207-12	3.4	45
1	Activation of translation initiation factor eIF2B by insulin requires phosphatidyl inositol 3-kinase. *FEBS Letters*, **1997**, 410, 418-22	3.8	89