# Christopher G Proud

List of Publications by Year
in descending order



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|---|---|---|---|
| 322 papers | 24,602 citations | 5261 83 h-index | 10152 140 g-index |
| 395 all docs | 395 docs citations | 395 times ranked | 23013 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Mitogen-activated protein kinases activate the serine/threonine kinases Mnk1 and Mnk2. EMBO Journal, 1997, 16, 1909-1920. | 3.5 | 860 |
| 2 | Regulation of elongation factor 2 kinase by p90RSK1 and p70 S6 kinase. EMBO Journal, 2001, 20, 4370-4379. | 3.5 | 675 |
| 3 | The mTOR Pathway in the Control of Protein Synthesis. Physiology, 2006, 21, 362-369. | 1.6 | 549 |
| 4 | Signalling to translation: how signal transduction pathways control the protein synthetic machinery. Biochemical Journal, 2007, 403, 217-234. | 1.7 | 443 |
| 5 | Activation of AMP-Activated Protein Kinase Leads to the Phosphorylation of Elongation Factor 2 and an Inhibition of Protein Synthesis. Current Biology, 2002, 12, 1419-1423. | 1.8 | 415 |
| 6 | Regulation of peptide-chain elongation in mammalian cells. FEBS Journal, 2002, 269, 5360-5368. | 0.2 | 404 |
| 7 | The eEF2 Kinase Confers Resistance to Nutrient Deprivation by Blocking Translation Elongation. Cell, 2013, 153, 1064-1079. | 13.5 | 348 |
| 8 | eIF2 and the control of cell physiology. Seminars in Cell and Developmental Biology, 2005, 16, 3-12. | 2.3 | 331 |
| 9 | Regulation of mammalian translation factors by nutrients. FEBS Journal, 2002, 269, 5338-5349. | 0.2 | 327 |
| 10 | Amino acid availability regulates p70 S6 kinase and multiple translation factors. Biochemical Journal, 1998, 334, 261-267. | 1.7 | 322 |
| 11 | Screen for Chemical Modulators of Autophagy Reveals Novel Therapeutic Inhibitors of mTORC1 Signaling. PLoS ONE, 2009, 4, e7124. | 1.1 | 313 |
| 12 | The Tuberous Sclerosis Protein TSC2 Is Not Required for the Regulation of the Mammalian Target of Rapamycin by Amino Acids and Certain Cellular Stresses. Journal of Biological Chemistry, 2005, 280, 18717-18727. | 1.6 | 312 |
| 13 | Stimulation of the AMP-activated Protein Kinase Leads to Activation of Eukaryotic Elongation Factor 2 Kinase and to Its Phosphorylation at a Novel Site, Serine 398. Journal of Biological Chemistry, 2004, 279, 12220-12231. | 1.6 | 306 |
| 14 | The kinase DYRK phosphorylates protein-synthesis initiation factor eIF2BÉ› 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, 609-615. | 1.7 | 299 |
| 15 | Activation of AMP-activated Protein Kinase Inhibits Protein Synthesis Associated with Hypertrophy in the Cardiac Myocyte. Journal of Biological Chemistry, 2004, 279, 32771-32779. | 1.6 | 294 |
| 16 | Regulation of targets of mTOR (mammalian target of rapamycin) signalling by intracellular amino acid availability. Biochemical Journal, 2003, 372, 555-566. | 1.7 | 279 |
| 17 | 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, 9373-9377. | 1.6 | 277 |
| 18 | Regulation of eukaryotic initiation factor eIF2B: glycogen synthase kinase-3 phosphorylates a conserved serine which undergoes dephosphorylation in response to insulin. FEBS Letters, 1998, 421, 125-130. | 1.3 | 264 |

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| 19 | Does phosphorylation of the cap-binding protein eIF4E play a role in translation initiation?. FEBS Journal, 2002, 269, 5350-5359. | 0.2 | 263 |
| 20 | Translation matters: protein synthesis defects in inherited disease. Nature Reviews Genetics, 2007, 8, 711-723. | 7.7 | 246 |
| 21 | A Novel mTOR-Regulated Phosphorylation Site in Elongation Factor 2 Kinase Modulates the Activity of the Kinase and Its Binding to Calmodulin. Molecular and Cellular Biology, 2004, 24, 2986-2997. | 1.1 | 234 |
| 22 | mTOR inhibitors in cancer therapy. F1000Research, 2016, 5, 2078. | 0.8 | 228 |
| 23 | Regulation of Protein Kinase B and Glycogen Synthase Kinase-3 by Insulin and Î²-Adrenergic Agonists in Rat Epididymal Fat Cells. Journal of Biological Chemistry, 1997, 272, 7713-7719. | 1.6 | 224 |
| 24 | Phosphorylation of Eukaryotic Initiation Factor 4E Markedly Reduces Its Affinity for Capped mRNA. Journal of Biological Chemistry, 2002, 277, 3303-3309. | 1.6 | 224 |
| 25 | mTORC1 signaling controls multiple steps in ribosome biogenesis. Seminars in Cell and Developmental Biology, 2014, 36, 113-120. | 2.3 | 216 |
| 26 | PKR: a new name and new roles. Trends in Biochemical Sciences, 1995, 20, 241-246. | 3.7 | 214 |
| 27 | PRAS40 Is a Target for Mammalian Target of Rapamycin Complex 1 and Is Required for Signaling Downstream of This Complex*. Journal of Biological Chemistry, 2007, 282, 24514-24524. | 1.6 | 212 |
| 28 | 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, 2558-2572. | 1.1 | 194 |
| 29 | p70 S6 kinase: an enigma with variations. Trends in Biochemical Sciences, 1996, 21, 181-185. | 3.7 | 193 |
| 30 | The Purification and Properties of Rabbit Skeletal Muscle Glycogen Synthase. FEBS Journal, 1976, 68, 21-30. | 0.2 | 192 |
| 31 | mTOR-mediated regulation of translation factors by amino acids. Biochemical and Biophysical Research Communications, 2004, 313, 429-436. | 1.0 | 192 |
| 32 | Comparative analysis of the regulation of the interferoninducible protein kinase PKR by Epstein - Barr virus RNAs EBER-1 and EBER-2 and adenovirus VA, RNA. Nucleic Acids Research, 1993, 21, 4483-4490. | 6.5 | 189 |
| 33 | The Mitogen-Activated Protein Kinase Signal-Integrating Kinase Mnk2 Is a Eukaryotic Initiation Factor 4E Kinase with High Levels of Basal Activity in Mammalian Cells. Molecular and Cellular Biology, 2001, 21, 743-754. | 1.1 | 188 |
| 34 | The Mnks Are Novel Components in the Control of TNFÎ± Biosynthesis and Phosphorylate and Regulate hnRNP A1. Immunity, 2005, 23, 177-189. | 6.6 | 188 |
| 35 | Nutrient control of TORC1, a cell-cycle regulator. Trends in Cell Biology, 2009, 19, 260-267. | 3.6 | 186 |
| 36 | When translation meets transformation: the mTOR story. Oncogene, 2006, 25, 6423-6435. | 2.6 | 176 |

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| 37 | Protein Phosphorylation in Translational Control. Current Topics in Cellular Regulation, 1992, 32, 243-369. | 9.6 | 176 |
| 38 | Regulation of cyclin D1 expression by mTORC1 signaling requires eukaryotic initiation factor 4E-binding protein 1. Oncogene, 2008, 27, 1106-1113. | 2.6 | 171 |
| 39 | Regulation of elongation factor-2 by multisite phosphorylation. FEBS Journal, 1993, 213, 689-699. | 0.2 | 170 |
| 40 | The Extracellular Signal-regulated Kinase Pathway Regulates the Phosphorylation of 4E-BP1 at Multiple Sites. Journal of Biological Chemistry, 2002, 277, 11591-11596. | 1.6 | 166 |
| 41 | mTOR's role in ageing: protein synthesis or autophagy?. Aging, 2009, 1, 586-597. | 1.4 | 154 |
| 42 | Cellular stresses profoundly inhibit protein synthesis and modulate the states of phosphorylation of multiple translation factors. FEBS Journal, 2002, 269, 3076-3085. | 0.2 | 149 |
| 43 | eIF2B-Related Disorders: Antenatal Onset and Involvement of Multiple Organs. American Journal of Human Genetics, 2003, 73, 1199-1207. | 2.6 | 149 |
| 44 | Ras, PI3-kinase and mTOR signaling in cardiac hypertrophy. Cardiovascular Research, 2004, 63, 403-413. | 1.8 | 149 |
| 45 | The Mnks: MAP kinase-interacting kinases (MAP kinase signal-integrating kinases). Frontiers in Bioscience - Landmark, 2008, Volume, 5359. | 3.0 | 149 |
| 46 | Eukaryotic elongation factor 2 kinase, an unusual enzyme with multiple roles. Advances in Biological Regulation, 2014, 55, 15-27. | 1.4 | 149 |
| 47 | Serine 209, Not Serine 53, Is the Major Site of Phosphorylation in Initiation Factor eIF-4E in Serum-treated Chinese Hamster Ovary Cells. Journal of Biological Chemistry, 1995, 270, 21684-21688. | 1.6 | 139 |
| 48 | GSK3: a SHAGGY frog story. Trends in Cell Biology, 1996, 6, 274-279. | 3.6 | 133 |
| 49 | Guanine nucleotides, protein phosphorylation and the control of translation. Trends in Biochemical Sciences, 1986, 11, 73-77. | 3.7 | 132 |
| 50 | Re-evaluating the Roles of Proposed Modulators of Mammalian Target of Rapamycin Complex 1 (mTORC1) Signaling. Journal of Biological Chemistry, 2008, 283, 30482-30492. | 1.6 | 132 |
| 51 | Targeting Mnks for Cancer Therapy. Oncotarget, 2012, 3, 118-131. | 0.8 | 132 |
| 52 | Caspase Cleavage of Initiation Factor 4E-Binding Protein 1 Yields a Dominant Inhibitor of Cap-Dependent Translation and Reveals a Novel Regulatory Motif. Molecular and Cellular Biology, 2002, 22, 1674-1683. | 1.1 | 129 |
| 53 | Structure and regulation of eukaryotic initiation factor eIF-2. Sequence of the site in the alpha subunit phosphorylated by the haem-controlled repressor and by the double-stranded RNA-activated inhibitor. FEBS Journal, 1987, 166, 357-363. | 0.2 | 127 |
| 54 | ABC50 Interacts with Eukaryotic Initiation Factor 2 and Associates with the Ribosome in an ATP-dependent Manner. Journal of Biological Chemistry, 2000, 275, 34131-34139. | 1.6 | 124 |

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| 55 | Ras/Erk Signaling Is Essential for Activation of Protein Synthesis by Gq Protein-Coupled Receptor Agonists in Adult Cardiomyocytes. Circulation Research, 2002, 91, 821-829. | 2.0 | 124 |
| 56 | Two-Stage Translational Control of Dentate Gyrus LTP Consolidation Is Mediated by Sustained BDNF-TrkB Signaling to MNK. Cell Reports, 2014, 9, 1430-1445. | 2.9 | 122 |
| 57 | Amino acids and mTOR signalling in anabolic function. Biochemical Society Transactions, 2007, 35, 1187-1190. | 1.6 | 118 |
| 58 | Cross-talk between the ERK and p70 S6 Kinase (S6K) Signaling Pathways. Journal of Biological Chemistry, 2001, 276, 32670-32677. | 1.6 | 116 |
| 59 | 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, 40717-40722. | 1.6 | 116 |
| 60 | The Phosphorylation of Rabbit Skeletal Muscle Glycogen Synthase by Glycogen Synthase Kinase-2 and Adenosine-3': 5'-Monophosphate-Dependent Protein Kinase. FEBS Journal, 1976, 68, 31-44. | 0.2 | 114 |
| 61 | DNA-damaging agents cause inactivation of translational regulators linked to mTOR signalling. Oncogene, 2000, 19, 3021-3031. | 2.6 | 114 |
| 62 | mTORC1 signaling: what we still don't know. Journal of Molecular Cell Biology, 2011, 3, 206-220. | 1.5 | 114 |
| 63 | 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, 3295-3306. | 1.1 | 113 |
| 64 | Intracellular Sensing of Amino Acids in Xenopus laevis Oocytes Stimulates p70 S6 Kinase in a Target of Rapamycin-dependent Manner. Journal of Biological Chemistry, 2002, 277, 9952-9957. | 1.6 | 112 |
| 65 | mTORC1 signalling and mRNA translation. Biochemical Society Transactions, 2009, 37, 227-231. | 1.6 | 112 |
| 66 | Eukaryotic initiation factor 2B: identification of multiple phosphorylation sites in the epsilon-subunit and their functions in vivo. EMBO Journal, 2001, 20, 4349-4359. | 3.5 | 110 |
| 67 | Activation of protein synthesis in cardiomyocytes by the hypertrophic agent phenylephrine requires the activation of ERK and involves phosphorylation of tuberous sclerosis complex 2 (TSC2). Biochemical Journal, 2005, 388, 973-984. | 1.7 | 110 |
| 68 | Identification of the phosphorylation sites in elongation factor-2 from rabbit reticulocytes. FEBS Letters, 1991, 282, 253-258. | 1.3 | 109 |
| 69 | Amino acid sequences at the two sites on glycogen synthetase phosphorylated by cyclic AMP-dependent protein kinase and their dephosphorylation by protein phosphatase-III. FEBS Letters, 1977, 80, 435-442. | 1.3 | 108 |
| 70 | 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-H1068. | 1.5 | 103 |
| 71 | Mnks, eIF4E phosphorylation and cancer. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2015, 1849, 766-773. | 0.9 | 102 |
| 72 | The guanine nucleotide-exchange factor, eIF-2B. Biochimie, 1994, 76, 748-760. | 1.3 | 101 |

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| 73 | Distinct Signalling Pathways Mediate Insulin and Phorbol Ester-stimulated Eukaryotic Initiation Factor 4F Assembly and Protein Synthesis in HEK 293 Cells. Journal of Biological Chemistry, 2000, 275, 11249-11256. | 1.6 | 101 |
| 74 | Changes in the phosphorylation of initiation factor eIF-2Î±, elongation factor eEF-2 and p70 S6 kinase after transient focal cerebral ischaemia in mice. Journal of Neurochemistry, 2001, 78, 779-787. | 2.1 | 100 |
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| 76 | 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, 1546-1557. | 1.1 | 100 |
| 77 | The N and C Termini of the Splice Variants of the Human Mitogen-Activated Protein Kinase-Interacting Kinase Mnk2 Determine Activity and Localization. Molecular and Cellular Biology, 2003, 23, 5692-5705. | 1.1 | 96 |
| 78 | Molecular mechanisms in the control of translation by hormones and growth factors. Biochimica Et Biophysica Acta - Molecular Cell Research, 1994, 1220, 147-162. | 1.9 | 95 |
| 79 | Both rapamycin-sensitive and -insensitive pathways are involved in the phosphorylation of the initiation factor-4E-binding protein (4E-BP1) in response to insulin in rat epididymal fat-cells. Biochemical Journal, 1996, 316, 447-453. | 1.7 | 95 |
| 80 | Activation of translation initiation factor eIF2B by insulin requires phosphatidyl inositol 3-kinase. FEBS Letters, 1997, 410, 418-422. | 1.3 | 93 |
| 81 | The rapid activation of protein synthesis by growth hormone requires signaling through mTOR. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E1647-E1655. | 1.8 | 93 |
| 82 | ABC50 Promotes Translation Initiation in Mammalian Cells. Journal of Biological Chemistry, 2009, 284, 24061-24073. | 1.6 | 91 |
| 83 | cdc2â€“cyclin B regulates eEF2 kinase activity in a cell cycle- and amino acid-dependent manner. EMBO Journal, 2008, 27, 1005-1016. | 3.5 | 89 |
| 84 | Phosphorylation and Signal Transduction Pathways in Translational Control. Cold Spring Harbor Perspectives in Biology, 2019, 11, a033050. | 2.3 | 89 |
| 85 | mTOR signaling regulates the processing of pre-rRNA in human cells. Nucleic Acids Research, 2012, 40, 2527-2539. | 6.5 | 88 |
| 86 | Analysis of mTOR signaling by the small G-proteins, Rheb and RhebL1. FEBS Letters, 2005, 579, 4763-4768. | 1.3 | 87 |
| 87 | Rapid induction of apoptosis mediated by peptides that bind initiation factor eIF4E. Current Biology, 2000, 10, 793-796. | 1.8 | 86 |
| 88 | Eukaryotic Elongation Factor 2 Kinase Activity Is Controlled by Multiple Inputs from Oncogenic Signaling. Molecular and Cellular Biology, 2014, 34, 4088-4103. | 1.1 | 84 |
| 89 | Tuning Specific Translation in Cancer Metastasis and Synaptic Memory: Control at the MNKâ€“eIF4E Axis. Trends in Biochemical Sciences, 2016, 41, 847-858. | 3.7 | 84 |
| 90 | T-cell Activation Leads to Rapid Stimulation of Translation Initiation Factor eIF2B and Inactivation of Glycogen Synthase Kinase-3. Journal of Biological Chemistry, 1996, 271, 11410-11413. | 1.6 | 83 |

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| 91 | Exercise rapidly increases eukaryotic elongation factor 2 phosphorylation in skeletal muscle of men. Journal of Physiology, 2005, 569, 223-228. | 1.3 | 83 |
| 92 | MAP Kinase-Interacting Kinasesâ€"Emerging Targets against Cancer. Chemistry and Biology, 2014, 21, 441-452. | 6.2 | 83 |
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| 94 | Regulation of Eukaryotic Initiation Factor eIF2B. Progress in Molecular and Subcellular Biology, 2001, 26, 95-114. | 0.9 | 82 |
| 95 | Glucose Stimulates the Activity of the Guanine Nucleotide-exchange Factor eIF-2B in Isolated Rat Islets of Langerhans. Journal of Biological Chemistry, 1996, 271, 2121-2125. | 1.6 | 81 |
| 96 | Eukaryotic initiation factor 2B (eIF2B). International Journal of Biochemistry and Cell Biology, 1997, 29, 1127-1131. | 1.2 | 81 |
| 97 | Stable isotope-labelling analysis of the impact of inhibition of the mammalian target of rapamycin on protein synthesis. Biochemical Journal, 2012, 444, 141-151. | 1.7 | 79 |
| 98 | Consolidation and translation regulation: Figure 1.. Learning and Memory, 2012, 19, 410-422. | 0.5 | 77 |
| 99 | Crosstalk between mTOR complexes. Nature Cell Biology, 2013, 15, 1263-1265. | 4.6 | 77 |
| 100 | Regulation and roles of elongation factor 2 kinase. Biochemical Society Transactions, 2015, 43, 328-332. | 1.6 | 77 |
| 101 | Coupled Activation and Degradation of eEF2K Regulates Protein Synthesis in Response to Genotoxic Stress. Science Signaling, 2012, 5, ra40. | 1.6 | 76 |
| 102 | BDNF Stimulation of Protein Synthesis in Cortical Neurons Requires the MAP Kinase-Interacting Kinase MNK1. Journal of Neuroscience, 2015, 35, 972-984. | 1.7 | 76 |
| 103 | The multifaceted role of mTOR in cellular stress responses. DNA Repair, 2004, 3, 927-934. | 1.3 | 75 |
| 104 | Peptide-chain elongation in eukaryotes. Molecular Biology Reports, 1994, 19, 161-170. | 1.0 | 74 |
| 105 | Nutrients differentially regulate multiple translation factors and their control by insulin. Biochemical Journal, 1999, 344, 433-441. | 1.7 | 74 |
| 106 | Insulin-stimulated phosphorylation of initiation factor 4E is mediated by the MAP kinase pathway. FEBS Letters, 1996, 389, 162-166. | 1.3 | 73 |
| 107 | A Quantitative Molecular Model for Modulation of Mammalian Translation by the eIF4E-binding Protein 1. Journal of Biological Chemistry, 2001, 276, 20750-20757. | 1.6 | 71 |
| 108 | Roles of the mammalian target of rapamycin, mTOR, in controlling ribosome biogenesis and protein synthesis. Biochemical Society Transactions, 2012, 40, 168-172. | 1.6 | 71 |

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| 109 | The PSFÂ·p54nrb Complex Is a Novel Mnk Substrate That Binds the mRNA for Tumor Necrosis Factor Î±. Journal of Biological Chemistry, 2008, 283, 57-65. | 1.6 | 70 |
| 110 | GCN2 contributes to mTORC1 inhibition by leucine deprivation through an ATF4 independent mechanism. Scientific Reports, 2016, 6, 27698. | 1.6 | 70 |
| 111 | Heat Shock Increases the Association of Binding Protein-1 with Initiation Factor 4E. Journal of Biological Chemistry, 1997, 272, 32779-32784. | 1.6 | 69 |
| 112 | Cloning and Expression of cDNA Encoding Protein Synthesis Elongation Factor-2 Kinase. Journal of Biological Chemistry, 1996, 271, 17547-17554. | 1.6 | 68 |
| 113 | Severity of vanishing white matter disease does not correlate with deficits in eIF2B activity or the integrity of eIF2B complexes. Human Mutation, 2011, 32, 1036-1045. | 1.1 | 68 |
| 114 | Purification, phosphorylation and control of the guanine-nucleotide-exchange factor from rabbit reticulocyte lysates. FEBS Journal, 1992, 208, 73-81. | 0.2 | 67 |
| 115 | Analysis of the subunit organization of the eIF2B complex reveals new insights into its structure and regulation. FASEB Journal, 2014, 28, 2225-2237. | 0.2 | 67 |
| 116 | Differing substrate specificities of members of the DYRK family of arginine-directed protein kinases. FEBS Letters, 2002, 510, 31-36. | 1.3 | 66 |
| 117 | Protein Kinase C Phosphorylates Ribosomal Protein S6 Kinase Î²II and Regulates Its Subcellular Localization. Molecular and Cellular Biology, 2003, 23, 852-863. | 1.1 | 65 |
| 118 | Involvement of phosphoinositide 3-kinase in insulin stimulation of MAP-kinase and phosphorylation of protein kinase-B in human skeletal muscle: implications for glucose metabolism. Diabetologia, 1997, 40, 1172-1177. | 2.9 | 63 |
| 119 | Peptide Substrates Suitable for Assaying Glycogen Synthase Kinase-3 in Crude Cell Extracts. Analytical Biochemistry, 1997, 244, 16-21. | 1.1 | 63 |
| 120 | Cleavage of translation initiation factor 4AI (eIF4AI) but not eIF4AII by foot-and-mouth disease virus 3C protease: identification of the eIF4AI cleavage site. FEBS Letters, 2001, 507, 1-5. | 1.3 | 63 |
| 121 | Purification and phosphorylation of elongation factor-2 kinase from rabbit reticulocytes. FEBS Journal, 1993, 212, 511-520. | 0.2 | 62 |
| 122 | Elongation Factor 2 Kinase Is Regulated by Proline Hydroxylation and Protects Cells during Hypoxia. Molecular and Cellular Biology, 2015, 35, 1788-1804. | 1.1 | 62 |
| 123 | Role of AMPK in regulation of LC3 lipidation as a marker of autophagy in skeletal muscle. Cellular Signalling, 2016, 28, 663-674. | 1.7 | 62 |
| 124 | Impaired associative taste learning and abnormal brain activation in kinase-defective eEF2K mice. Learning and Memory, 2012, 19, 116-125. | 0.5 | 61 |
| 125 | Regulation of the Elongation Phase of Protein Synthesis Enhances Translation Accuracy and Modulates Lifespan. Current Biology, 2019, 29, 737-749.e5. | 1.8 | 60 |
| 126 | Mechanisms Underlying Suppression of Protein Synthesis Induced by Transient Focal Cerebral Ischemia in Mouse Brain. Experimental Neurology, 2002, 177, 538-546. | 2.0 | 59 |

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| 127 | Features of the Catalytic Domains and C Termini of the MAPK Signal-integrating Kinases Mnk1 and Mnk2 Determine Their Differing Activities and Regulatory Properties. Journal of Biological Chemistry, 2005, 280, 37623-37633. | 1.6 | 59 |
| 128 | Leucine or carbohydrate supplementation reduces AMPK and eEF2 phosphorylation and extends postprandial muscle protein synthesis in rats. American Journal of Physiology - Endocrinology and Metabolism, 2011, 301, E1236-E1242. | 1.8 | 59 |
| 129 | The MAP kinase-interacting kinases regulate cell migration, vimentin expression and eIF4E/CYFIP1 binding. Biochemical Journal, 2015, 467, 63-76. | 1.7 | 58 |
| 130 | Nerve and Epidermal Growth Factor Induce Protein Synthesis and eIF2B Activation in PC12 Cells. Journal of Biological Chemistry, 1998, 273, 5536-5541. | 1.6 | 57 |
| 131 | eEF2K/eEF2 Pathway Controls the Excitation/Inhibition Balance and Susceptibility to Epileptic Seizures. Cerebral Cortex, 2017, 27, bhw075. | 1.6 | 57 |
| 132 | Turned on by insulin. Nature, 1994, 371, 747-748. | 13.7 | 56 |
| 133 | mTOR Signalling in Health and Disease. Biochemical Society Transactions, 2011, 39, 431-436. | 1.6 | 56 |
| 134 | Chloroquine and bafilomycin A mimic lysosomal storage disorders and impair mTORC1 signalling. Bioscience Reports, 2020, 40, . | 1.1 | 56 |
| 135 | ATP depletion increases phosphorylation of elongation factor eEF2 in adult cardiomyocytes independently of inhibition of mTOR signalling. FEBS Letters, 2002, 531, 448-452. | 1.3 | 55 |
| 136 | mTOR direct interactions with Rheb-GTPase and raptor: sub-cellular localization using fluorescence lifetime imaging. BMC Cell Biology, 2013, 14, 3. | 3.0 | 55 |
| 137 | Protein synthesis and its control in neuronal cells with a focus on vanishing white matter disease. Biochemical Society Transactions, 2009, 37, 1298-1310. | 1.6 | 54 |
| 138 | Use of monoclonal antibodies to study the structure and function of eukaryotic protein synthesis initiation factor eIF-2B. FEBS Journal, 1994, 221, 399-410. | 0.2 | 53 |
| 139 | Structure of the Eukaryotic Initiation Factor (eIF) 5 Reveals a Fold Common to Several Translation Factors,. Biochemistry, 2006, 45, 4550-4558. | 1.2 | 53 |
| 140 | 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, 1429-1442. | 1.1 | 52 |
| 141 | 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-H1238. | 1.5 | 51 |
| 142 | mTORC1 Plays an Important Role in Skeletal Development by Controlling Preosteoblast Differentiation. Molecular and Cellular Biology, 2017, 37, . | 1.1 | 51 |
| 143 | eIF2B: recent structural and functional insights into a key regulator of translation. Biochemical Society Transactions, 2015, 43, 1234-1240. | 1.6 | 50 |
| 144 | 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, 207-212. | 1.0 | 49 |

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| 145 | Regulation of the phosphorylation of elongation factor 2 by MEK-dependent signalling in adult rat cardiomyocytes. FEBS Letters, 2002, 531, 285-289. | 1.3 | 49 |
| 146 | Translation factors: in sickness and in health. Trends in Biochemical Sciences, 2004, 29, 25-31. | 3.7 | 49 |
| 147 | Identification of autophosphorylation sites in eukaryotic elongation factor-2 kinase. Biochemical Journal, 2012, 442, 681-692. | 1.7 | 49 |
| 148 | mTORC1 signalling and eIF4E/4E-BP1 translation initiation factor stoichiometry influence recombinant protein productivity from GS-CHOK1 cells. Biochemical Journal, 2016, 473, 4651-4664. | 1.7 | 49 |
| 149 | Eukaryotic Elongation Factor 2 Kinase (eEF2K) in Cancer. Cancers, 2017, 9, 162. | 1.7 | 49 |
| 150 | Characterization of the Mammalian Initiation Factor eIF2B Complex as a GDP Dissociation Stimulator Protein. Journal of Biological Chemistry, 2001, 276, 24697-24703. | 1.6 | 48 |
| 151 | Interplay between insulin and nutrients in the regulation of translation factors. Biochemical Society Transactions, 2001, 29, 541-547. | 1.6 | 47 |
| 152 | Staurosporine inhibits phosphorylation of translational regulators linked to mTOR. Cell Death and Differentiation, 2001, 8, 841-849. | 5.0 | 47 |
| 153 | Regulation of protein synthesis in lymphoblasts from vanishing white matter patients. Neurobiology of Disease, 2006, 21, 496-504. | 2.1 | 46 |
| 154 | MNK Inhibition Sensitizes KRAS-Mutant Colorectal Cancer to mTORC1 Inhibition by Reducing eIF4E Phosphorylation and c-MYC Expression. Cancer Discovery, 2021, 11, 1228-1247. | 7.7 | 45 |
| 155 | Quantitative Proteomics Identifies Gemin5, A Scaffolding Protein Involved in Ribonucleoprotein Assembly, as a Novel Partner for Eukaryotic Initiation Factor 4E. Journal of Proteome Research, 2006, 5, 1367-1378. | 1.8 | 44 |
| 156 | Rapamycin enhances eIF4E phosphorylation by activating MAP kinaseâ€interacting kinase 2a (Mnk2a). FEBS Letters, 2013, 587, 2623-2628. | 1.3 | 44 |
| 157 | Ribosomal stress activates eEF2Kâ€“eEF2 pathway causing translation elongation inhibition and recruitment of Terminal Oligopyrimidine (TOP) mRNAs on polysomes. Nucleic Acids Research, 2014, 42, 12668-12680. | 6.5 | 44 |
| 158 | Mycobacterium tuberculosis subverts negative regulatory pathways in human macrophages to drive immunopathology. PLoS Pathogens, 2017, 13, e1006367. | 2.1 | 44 |
| 159 | Evidence that the dephosphorylation of Ser535 in the âˆ-subunit of eukaryotic initiation factor (eIF) 2B is insufficient for the activation of eIF2B by insulin. Biochemical Journal, 2002, 367, 475-481. | 1.7 | 43 |
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