

# Nahum Sonenberg

## List of Publications by Citations

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205  
papers

34,253  
citations

83  
h-index

185  
g-index

216  
ext. papers

38,836  
ext. citations

17  
avg, IF

7.53  
L-index

#	Paper	IF	Citations
205	Upstream and downstream of mTOR. <i>Genes and Development</i> , <b>2004</b> , 18, 1926-45	12.6	3169
204	Regulation of translation initiation in eukaryotes: mechanisms and biological targets. <i>Cell</i> , <b>2009</b> , 136, 731-45	56.2	2215
203	Regulation of mRNA translation and stability by microRNAs. <i>Annual Review of Biochemistry</i> , <b>2010</b> , 79, 351-79	29.1	2151
202	eIF4 initiation factors: effectors of mRNA recruitment to ribosomes and regulators of translation. <i>Annual Review of Biochemistry</i> , <b>1999</b> , 68, 913-63	29.1	1729
201	Internal initiation of translation of eukaryotic mRNA directed by a sequence derived from poliovirus RNA. <i>Nature</i> , <b>1988</b> , 334, 320-5	50.4	1571
200	Regulation of translation initiation by FRAP/mTOR. <i>Genes and Development</i> , <b>2001</b> , 15, 807-26	12.6	1230
199	Insulin-dependent stimulation of protein synthesis by phosphorylation of a regulator of 5Tcap function. <i>Nature</i> , <b>1994</b> , 371, 762-7	50.4	1079
198	Malignant transformation by a eukaryotic initiation factor subunit that binds to mRNA 5Tcap. <i>Nature</i> , <b>1990</b> , 345, 544-7	50.4	864
197	Regulation of cap-dependent translation by eIF4E inhibitory proteins. <i>Nature</i> , <b>2005</b> , 433, 477-80	50.4	755
196	Translational control of long-lasting synaptic plasticity and memory. <i>Neuron</i> , <b>2009</b> , 61, 10-26	13.9	684
195	Exploiting tumor-specific defects in the interferon pathway with a previously unknown oncolytic virus. <i>Nature Medicine</i> , <b>2000</b> , 6, 821-5	50.5	639
194	Hierarchical phosphorylation of the translation inhibitor 4E-BP1. <i>Genes and Development</i> , <b>2001</b> , 15, 2852-64	16.4	595
193	mTORC1-mediated cell proliferation, but not cell growth, controlled by the 4E-BPs. <i>Science</i> , <b>2010</b> , 328, 1172-6	33.3	538
192	Translational control by 5Tuntranslated regions of eukaryotic mRNAs. <i>Science</i> , <b>2016</b> , 352, 1413-6	33.3	533
191	mTORC1 controls mitochondrial activity and biogenesis through 4E-BP-dependent translational regulation. <i>Cell Metabolism</i> , <b>2013</b> , 18, 698-711	24.6	482
190	Targeting the translation machinery in cancer. <i>Nature Reviews Drug Discovery</i> , <b>2015</b> , 14, 261-78	64.1	477
189	The fragile X syndrome protein represses activity-dependent translation through CYFIP1, a new 4E-BP. <i>Cell</i> , <b>2008</b> , 134, 1042-54	56.2	442

188	MicroRNA inhibition of translation initiation in vitro by targeting the cap-binding complex eIF4F. <i>Science</i> , <b>2007</b> , 317, 1764-7	33.3	412
187	The mTOR/PI3K and MAPK pathways converge on eIF4B to control its phosphorylation and activity. <i>EMBO Journal</i> , <b>2006</b> , 25, 2781-91	13	391
186	Double-stranded RNA-dependent protein kinase links pathogen sensing with stress and metabolic homeostasis. <i>Cell</i> , <b>2010</b> , 140, 338-48	56.2	384
185	eIF4E phosphorylation promotes tumorigenesis and is associated with prostate cancer progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 14134-9	11.5	370
184	Autism-related deficits via dysregulated eIF4E-dependent translational control. <i>Nature</i> , <b>2013</b> , 493, 371-750.4	50.4	367
183	Phosphorylation of eucaryotic translation initiation factor 4B Ser422 is modulated by S6 kinases. <i>EMBO Journal</i> , <b>2004</b> , 23, 1761-9	13	363
182	Mammalian poly(A)-binding protein is a eukaryotic translation initiation factor, which acts via multiple mechanisms. <i>Genes and Development</i> , <b>2005</b> , 19, 104-13	12.6	351
181	Folding of an intrinsically disordered protein by phosphorylation as a regulatory switch. <i>Nature</i> , <b>2015</b> , 519, 106-9	50.4	344
180	The requirement for eukaryotic initiation factor 4A (eIF4A) in translation is in direct proportion to the degree of mRNA 5Tsecondary structure. <i>Rna</i> , <b>2001</b> , 7, 382-94	5.8	342
179	Interaction of polyadenylate-binding protein with the eIF4G homologue PAIP enhances translation. <i>Nature</i> , <b>1998</b> , 392, 520-3	50.4	335
178	Adipose tissue reduction in mice lacking the translational inhibitor 4E-BP1. <i>Nature Medicine</i> , <b>2001</b> , 7, 1128-32	50.5	310
177	Structure of translation factor eIF4E bound to m7GDP and interaction with 4E-binding protein. <i>Nature Structural Biology</i> , <b>1997</b> , 4, 717-24		309
176	Mammalian miRNA RISC recruits CAF1 and PABP to affect PABP-dependent deadenylation. <i>Molecular Cell</i> , <b>2009</b> , 35, 868-80	17.6	301
175	Eukaryotic translation initiation factors and regulators. <i>Current Opinion in Structural Biology</i> , <b>2003</b> , 13, 56-63	8.1	267
174	Fragile X syndrome. <i>Nature Reviews Disease Primers</i> , <b>2017</b> , 3, 17065	51.1	257
173	Translational control of the innate immune response through IRF-7. <i>Nature</i> , <b>2008</b> , 452, 323-8	50.4	249
172	The translation repressor 4E-BP2 is critical for eIF4F complex formation, synaptic plasticity, and memory in the hippocampus. <i>Journal of Neuroscience</i> , <b>2005</b> , 25, 9581-90	6.6	248
171	Elevated sensitivity to diet-induced obesity and insulin resistance in mice lacking 4E-BP1 and 4E-BP2. <i>Journal of Clinical Investigation</i> , <b>2007</b> , 117, 387-96	15.9	245

170	miRNA-mediated deadenylation is orchestrated by GW182 through two conserved motifs that interact with CCR4-NOT. <i>Nature Structural and Molecular Biology</i> , <b>2011</b> , 18, 1211-7	17.6	238
169	Targeting the eIF4F translation initiation complex: a critical nexus for cancer development. <i>Cancer Research</i> , <b>2015</b> , 75, 250-63	10.1	220
168	Remote control of gene function by local translation. <i>Cell</i> , <b>2014</b> , 157, 26-40	56.2	215
167	NRF2 Promotes Tumor Maintenance by Modulating mRNA Translation in Pancreatic Cancer. <i>Cell</i> , <b>2016</b> , 166, 963-976	56.2	214
166	A new paradigm for translational control: inhibition via 5F3TmRNA tethering by Bicoid and the eIF4E cognate 4EHP. <i>Cell</i> , <b>2005</b> , 121, 411-23	56.2	198
165	Activation of double-stranded RNA-dependent kinase (dsl) by the TAR region of HIV-1 mRNA: a novel translational control mechanism. <i>Cell</i> , <b>1989</b> , 56, 303-12	56.2	198
164	mTORC1-mediated translational elongation limits intestinal tumour initiation and growth. <i>Nature</i> , <b>2015</b> , 517, 497-500	50.4	190
163	The translational inhibitor 4E-BP is an effector of PI(3)K/Akt signalling and cell growth in <i>Drosophila</i> . <i>Nature Cell Biology</i> , <b>2001</b> , 3, 596-601	23.4	176
162	Structural basis for the recruitment of the human CCR4-NOT deadenylase complex by tristetraprolin. <i>Nature Structural and Molecular Biology</i> , <b>2013</b> , 20, 735-9	17.6	172
161	Epigenetic activation of a subset of mRNAs by eIF4E explains its effects on cell proliferation. <i>PLoS ONE</i> , <b>2007</b> , 2, e242	3.7	171
160	New modes of translational control in development, behavior, and disease. <i>Molecular Cell</i> , <b>2007</b> , 28, 721-9.6	17.6	169
159	A novel function of the MA-3 domains in transformation and translation suppressor Pcd4 is essential for its binding to eukaryotic translation initiation factor 4A. <i>Molecular and Cellular Biology</i> , <b>2004</b> , 24, 3894-906	4.8	169
158	mTOR Controls Mitochondrial Dynamics and Cell Survival via MTFP1. <i>Molecular Cell</i> , <b>2017</b> , 67, 922-935.e5	17.6	156
157	Targeting adenosine monophosphate-activated protein kinase (AMPK) in preclinical models reveals a potential mechanism for the treatment of neuropathic pain. <i>Molecular Pain</i> , <b>2011</b> , 7, 70	3.4	155
156	eIF4E, the mRNA cap-binding protein: from basic discovery to translational research. <i>Biochemistry and Cell Biology</i> , <b>2008</b> , 86, 178-83	3.6	152
155	ATP/Mg <sup>++</sup> -dependent cross-linking of cap binding proteins to the 5Tend of eukaryotic mRNA. <i>Nucleic Acids Research</i> , <b>1981</b> , 9, 1643-56	20.1	150
154	Distinct perturbation of the translome by the antidiabetic drug metformin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 8977-82	11.5	149
153	Signalling to eIF4E in cancer. <i>Biochemical Society Transactions</i> , <b>2015</b> , 43, 763-72	5.1	145

152	Translational control of immune responses: from transcripts to translatoemes. <i>Nature Immunology</i> , <b>2014</b> , 15, 503-11	19.1	143
151	HuR protein attenuates miRNA-mediated repression by promoting miRISC dissociation from the target RNA. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, 5088-100	20.1	136
150	Pharmacogenetic inhibition of eIF4E-dependent Mmp9 mRNA translation reverses fragile X syndrome-like phenotypes. <i>Cell Reports</i> , <b>2014</b> , 9, 1742-1755	10.6	131
149	Leishmania repression of host translation through mTOR cleavage is required for parasite survival and infection. <i>Cell Host and Microbe</i> , <b>2011</b> , 9, 331-41	23.4	129
148	Phospho-dependent phase separation of FMRP and CAPRIN1 recapitulates regulation of translation and deadenylation. <i>Science</i> , <b>2019</b> , 365, 825-829	33.3	128
147	Phosphoregulated FMRP phase separation models activity-dependent translation through bidirectional control of mRNA granule formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 4218-4227	11.5	125
146	Translational homeostasis via the mRNA cap-binding protein, eIF4E. <i>Molecular Cell</i> , <b>2012</b> , 46, 847-58	17.6	121
145	Sequence of reovirus haemagglutinin predicts a coiled-coil structure. <i>Nature</i> , <b>1985</b> , 315, 421-3	50.4	117
144	eIF4E/4E-BP ratio predicts the efficacy of mTOR targeted therapies. <i>Cancer Research</i> , <b>2012</b> , 72, 6468-76	10.1	115
143	Nuclear eukaryotic initiation factor 4E (eIF4E) colocalizes with splicing factors in speckles. <i>Journal of Cell Biology</i> , <b>2000</b> , 148, 239-47	7.3	114
142	Metformin ameliorates core deficits in a mouse model of fragile X syndrome. <i>Nature Medicine</i> , <b>2017</b> , 23, 674-677	50.5	113
141	Structure-activity analysis of niclosamide reveals potential role for cytoplasmic pH in control of mammalian target of rapamycin complex 1 (mTORC1) signaling. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 17530-17545	5.4	110
140	Translational control of tumor immune escape via the eIF4F-STAT1-PD-L1 axis in melanoma. <i>Nature Medicine</i> , <b>2018</b> , 24, 1877-1886	50.5	109
139	A novel 4EHP-GIGYF2 translational repressor complex is essential for mammalian development. <i>Molecular and Cellular Biology</i> , <b>2012</b> , 32, 3585-93	4.8	107
138	Phosphorylation of eIF4E attenuates its interaction with mRNA 5Tcap analogs by electrostatic repulsion: intein-mediated protein ligation strategy to obtain phosphorylated protein. <i>Rna</i> , <b>2003</b> , 9, 52-61	5.8	107
137	The E3 ubiquitin ligase and RNA-binding protein ZNF598 orchestrates ribosome quality control of premature polyadenylated mRNAs. <i>Nature Communications</i> , <b>2017</b> , 8, 16056	17.4	101
136	Vesicular stomatitis virus oncolysis is potentiated by impairing mTORC1-dependent type I IFN production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 1576-81	11.5	100
135	Cloning and characterization of 4EHP, a novel mammalian eIF4E-related cap-binding protein. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 13104-9	5.4	100

- 134 MicroRNAs trigger dissociation of eIF4A1 and eIF4A11 from target mRNAs in humans. *Molecular Cell*, **2014**, 56, 79-89 17.6 99
- 133 N1-methyl-pseudouridine in mRNA enhances translation through eIF2-dependent and independent mechanisms by increasing ribosome density. *Nucleic Acids Research*, **2017**, 45, 6023-6036 20.1 97
- 132 Translation deregulation in human disease. *Nature Reviews Molecular Cell Biology*, **2018**, 19, 791-807 48.7 96
- 131 Translational Control in Cancer. *Cold Spring Harbor Perspectives in Biology*, **2019**, 11, 10.2 94
- 130 Human DDX6 effects miRNA-mediated gene silencing via direct binding to CNOT1. *Rna*, **2014**, 20, 1398-409 91
- 129 Translational control of cell fate: availability of phosphorylation sites on translational repressor 4E-BP1 governs its proapoptotic potency. *Molecular and Cellular Biology*, **2002**, 22, 2853-61 4.8 91
- 128 p53-dependent translational control of senescence and transformation via 4E-BPs. *Cancer Cell*, **2009**, 16, 439-46 24.3 90
- 127 ERK and mTOR signaling couple beta-adrenergic receptors to translation initiation machinery to gate induction of protein synthesis-dependent long-term potentiation. *Journal of Biological Chemistry*, **2007**, 282, 27527-27535 5.4 90
- 126 Protein analysis by mass spectrometry and sequence database searching: tools for cancer research in the post-genomic era. *Electrophoresis*, **1999**, 20, 310-9 3.6 90
- 125 The Organizing Principles of Eukaryotic Ribosome Recruitment. *Annual Review of Biochemistry*, **2019**, 88, 307-335 29.1 88
- 124 Inhibition of Myc-dependent apoptosis by eukaryotic translation initiation factor 4E requires cyclin D1. *Oncogene*, **2000**, 19, 1437-47 9.2 88
- 123 Translational control of the activation of transcription factor NF- $\kappa$ B and production of type I interferon by phosphorylation of the translation factor eIF4E. *Nature Immunology*, **2012**, 13, 543-550 19.1 86
- 122 Translation is actively regulated during the differentiation of CD8 effector T cells. *Nature Immunology*, **2017**, 18, 1046-1057 19.1 79
- 121 Richard Jackson (1940-2020) - A towering presence in translation. *EMBO Journal*, **2021**, 40, 13 78
- 120 Loss of mTORC1 signalling impairs cell homeostasis and insulin processing. *Nature Communications*, **2017**, 8, 16014 17.4 73
- 119 Unique translation initiation of mRNAs-containing TISU element. *Nucleic Acids Research*, **2011**, 39, 7598-6001 73
- 118 The MNK-eIF4E Signaling Axis Contributes to Injury-Induced Nociceptive Plasticity and the Development of Chronic Pain. *Journal of Neuroscience*, **2017**, 37, 7481-7499 6.6 70
- 117 Postnatal deamidation of 4E-BP2 in brain enhances its association with raptor and alters kinetics of excitatory synaptic transmission. *Molecular Cell*, **2010**, 37, 797-808 17.6 66

116	An efficient system for cap- and poly(A)-dependent translation in vitro. <i>Methods in Molecular Biology</i> , <b>2004</b> , 257, 155-70	1.4	66
115	G3BP1 promotes stress-induced RNA granule interactions to preserve polyadenylated mRNA. <i>Journal of Cell Biology</i> , <b>2015</b> , 209, 73-84	7.3	65
114	mTORC1 inhibition induces pain via IRS-1-dependent feedback activation of ERK. <i>Pain</i> , <b>2013</b> , 154, 1080-91	9.1	63
113	Translational tolerance of mitochondrial genes to metabolic energy stress involves TISU and eIF1-eIF4GI cooperation in start codon selection. <i>Cell Metabolism</i> , <b>2015</b> , 21, 479-92	24.6	57
112	Principles of Translational Control. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2019</b> , 11,	10.2	57
111	Nociceptor Translational Profiling Reveals the Ragulator-Rag GTPase Complex as a Critical Generator of Neuropathic Pain. <i>Journal of Neuroscience</i> , <b>2019</b> , 39, 393-411	6.6	57
110	Cap-binding protein 4EHP effects translation silencing by microRNAs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 5425-5430	11.5	56
109	DAP5 associates with eIF2 $\beta$ and eIF4AI to promote Internal Ribosome Entry Site driven translation. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, 3764-75	20.1	56
108	Epiregulin and EGFR interactions are involved in pain processing. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 3353-3366	15.9	54
107	Light-regulated translational control of circadian behavior by eIF4E phosphorylation. <i>Nature Neuroscience</i> , <b>2015</b> , 18, 855-62	25.5	53
106	Translational control and the cancer cell response to stress. <i>Current Opinion in Cell Biology</i> , <b>2017</b> , 45, 102-109	9	48
105	The rate of protein synthesis in hematopoietic stem cells is limited partly by 4E-BPs. <i>Genes and Development</i> , <b>2016</b> , 30, 1698-703	12.6	48
104	Translational control in the tumor microenvironment promotes lung metastasis: Phosphorylation of eIF4E in neutrophils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E2202-E2209	11.5	47
103	S6K-STING interaction regulates cytosolic DNA-mediated activation of the transcription factor IRF3. <i>Nature Immunology</i> , <b>2016</b> , 17, 514-522	19.1	45
102	The 4E-BP-eIF4E axis promotes rapamycin-sensitive growth and proliferation in lymphocytes. <i>Science Signaling</i> , <b>2016</b> , 9, ra57	8.8	43
101	Inhibition of Group I Metabotropic Glutamate Receptors Reverses Autistic-Like Phenotypes Caused by Deficiency of the Translation Repressor eIF4E Binding Protein 2. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 11125-32	6.6	39
100	Single-molecule kinetics of the eukaryotic initiation factor 4AI upon RNA unwinding. <i>Structure</i> , <b>2014</b> , 22, 941-8	5.2	39
99	Metformin for Treatment of Fragile X Syndrome and Other Neurological Disorders. <i>Annual Review of Medicine</i> , <b>2019</b> , 70, 167-181	17.4	38



98	Control of embryonic stem cell self-renewal and differentiation via coordinated alternative splicing and translation of YY2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 12360-12367	11.5	37
97	Microtubule disruption synergizes with oncolytic virotherapy by inhibiting interferon translation and potentiating bystander killing. <i>Nature Communications</i> , <b>2015</b> , 6, 6410	17.4	36
96	Translational control of depression-like behavior via phosphorylation of eukaryotic translation initiation factor 4E. <i>Nature Communications</i> , <b>2018</b> , 9, 2459	17.4	36
95	Rheb (Ras homologue enriched in brain)-dependent mammalian target of rapamycin complex 1 (mTORC1) activation becomes indispensable for cardiac hypertrophic growth after early postnatal period. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 10176-10187	5.4	35
94	Poliovirus translation: a paradigm for a novel initiation mechanism. <i>BioEssays</i> , <b>1989</b> , 11, 128-32	4.1	35
93	Norepinephrine triggers metaplasticity of LTP by increasing translation of specific mRNAs. <i>Learning and Memory</i> , <b>2015</b> , 22, 499-508	2.8	34
92	Parallel measurement of dynamic changes in translation rates in single cells. <i>Nature Methods</i> , <b>2014</b> , 11, 86-93	21.6	34
91	Gastrin induces phosphorylation of eIF4E binding protein 1 and translation initiation of ornithine decarboxylase mRNA. <i>Oncogene</i> , <b>1998</b> , 16, 2219-27	9.2	34
90	4E-BP1 Is a Tumor Suppressor Protein Reactivated by mTOR Inhibition in Head and Neck Cancer. <i>Cancer Research</i> , <b>2019</b> , 79, 1438-1450	10.1	33
89	Neuronal Regulation of eIF2 $\beta$ Function in Health and Neurological Disorders. <i>Trends in Molecular Medicine</i> , <b>2018</b> , 24, 575-589	11.5	33
88	Signal transduction. Protein synthesis and oncogenesis meet again. <i>Science</i> , <b>2006</b> , 314, 428-9	33.3	33
87	Autism-Misregulated eIF4G Microexons Control Synaptic Translation and Higher Order Cognitive Functions. <i>Molecular Cell</i> , <b>2020</b> , 77, 1176-1192.e16	17.6	32
86	Multifaceted regulation of somatic cell reprogramming by mRNA translational control. <i>Cell Stem Cell</i> , <b>2014</b> , 14, 606-16	18	31
85	Insulin regulates carboxypeptidase E by modulating translation initiation scaffolding protein eIF4G1 in pancreatic $\beta$ cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E2319-28	11.5	30
84	Inducible costimulator facilitates T-dependent B cell activation by augmenting IL-4 translation. <i>Molecular Immunology</i> , <b>2014</b> , 59, 46-54	4.3	30
83	Metformin inhibits RAN translation through PKR pathway and mitigates disease in ALS/FTD mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 18591-18599	11.5	30
82	Antidepressant actions of ketamine engage cell-specific translation via eIF4E. <i>Nature</i> , <b>2021</b> , 590, 315-319	30.4	29
81	Beyond molecular tumor heterogeneity: protein synthesis takes control. <i>Oncogene</i> , <b>2018</b> , 37, 2490-2501	9.2	28



80	Translational control of ERK signaling through miRNA/4EHP-directed silencing. <i>ELife</i> , <b>2018</b> , 7,	8.9	28
79	A threonyl-tRNA synthetase-mediated translation initiation machinery. <i>Nature Communications</i> , <b>2019</b> , 10, 1357	17.4	27
78	Aminoacylation of Proteins: New Targets for the Old ARSenal. <i>Cell Metabolism</i> , <b>2018</b> , 27, 1-3	24.6	27
77	Translation control during prolonged mTORC1 inhibition mediated by 4E-BP3. <i>Nature Communications</i> , <b>2016</b> , 7, 11776	17.4	27
76	mTOR signaling in VIP neurons regulates circadian clock synchrony and olfaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E3296-E3304	11.5	26
75	Phosphorylation of eIF4E Confers Resistance to Cellular Stress and DNA-Damaging Agents through an Interaction with 4E-T: A Rationale for Novel Therapeutic Approaches. <i>PLoS ONE</i> , <b>2015</b> , 10, e0123352	3.7	26
74	Regulation of translation via TOR signaling: insights from <i>Drosophila melanogaster</i> . <i>Journal of Nutrition</i> , <b>2001</b> , 131, 2988S-93S	4.1	26
73	LRRK2 regulates retrograde synaptic compensation at the <i>Drosophila</i> neuromuscular junction. <i>Nature Communications</i> , <b>2016</b> , 7, 12188	17.4	26
72	Deficiency in mTORC1-controlled C/EBP $\beta$ mRNA translation improves metabolic health in mice. <i>EMBO Reports</i> , <b>2015</b> , 16, 1022-36	6.5	25
71	Capped mRNAs with Reduced Secondary Structure Can Function in Extracts from Poliovirus-Infected Cells. <i>Molecular and Cellular Biology</i> , <b>1982</b> , 2, 1633-1638	4.8	25
70	eIF2 $\beta$ phosphorylation controls thermal nociception. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 11949-11954	11.5	25
69	mTOR kinase is needed for the development and stabilization of dendritic arbors in newly born olfactory bulb neurons. <i>Developmental Neurobiology</i> , <b>2016</b> , 76, 1308-1327	3.2	25
68	The eIF2 $\beta$ Kinase GCN2 Modulates Period and Rhythmicity of the Circadian Clock by Translational Control of Atf4. <i>Neuron</i> , <b>2019</b> , 104, 724-735.e6	13.9	24
67	Translational control of nociception via 4E-binding protein 1. <i>ELife</i> , <b>2015</b> , 4,	8.9	24
66	Inhibitory interneurons mediate autism-associated behaviors via 4E-BP2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 18060-18067	11.5	20
65	Largen: a molecular regulator of mammalian cell size control. <i>Molecular Cell</i> , <b>2014</b> , 53, 904-15	17.6	19
64	The mTOR Targets 4E-BP1/2 Restrain Tumor Growth and Promote Hypoxia Tolerance in PTEN-driven Prostate Cancer. <i>Molecular Cancer Research</i> , <b>2018</b> , 16, 682-695	6.6	18
63	Proposing a mechanism of action for ataluren. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 12353-12355	11.5	18

62	Metformin requires 4E-BPs to induce apoptosis and repress translation of Mcl-1 in hepatocellular carcinoma cells. <i>Oncotarget</i> , <b>2017</b> , 8, 50542-50556	3.3	18
61	Acute Fasting Regulates Retrograde Synaptic Enhancement through a 4E-BP-Dependent Mechanism. <i>Neuron</i> , <b>2016</b> , 92, 1204-1212	13.9	18
60	Hepatic posttranscriptional network comprised of CCR4-NOT deadenylase and FGF21 maintains systemic metabolic homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 7973-7981	11.5	16
59	eIF4A inhibition circumvents uncontrolled DNA replication mediated by 4E-BP1 loss in pancreatic cancer. <i>JCI Insight</i> , <b>2019</b> , 4,	9.9	16
58	Translational control and autism-like behaviors. <i>Cellular Logistics</i> , <b>2013</b> , 3, e24551		15
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