Nahum Sonenberg

List of Publications by Year
in descending order

207 papers	42,498 citations	4584 88 h-index	2750 198 g-index
216 all docs	216 docs citations	216 times ranked	45989 citing authors

#	Article	IF	Citations
1	Membrane-dependent relief of translation elongationÂarrest on pseudouridine- and <i>N</i>1-methyl-pseudouridine-modified mRNAs. Nucleic Acids Research, 2022, 50, 7202-7215.	6.5	14
2	UBR4/POE facilitates secretory trafficking to maintain circadian clock synchrony. Nature Communications, 2022, 13, 1594.	5.8	7
3	Translational Control by 4E-BP1/2 Suppressor Proteins Regulates Mitochondrial Biosynthesis and Function during CD8⁺ T Cell Proliferation. Journal of Immunology, 2022, 208, 2702-2712.	0.4	0
4	The multifaceted eukaryotic cap structure. Wiley Interdisciplinary Reviews RNA, 2021, 12, e1636.	3.2	33
5	MNK Inhibition Sensitizes <i>KRAS</i>-Mutant Colorectal Cancer to mTORC1 Inhibition by Reducing eIF4E Phosphorylation and c-MYC Expression. Cancer Discovery, 2021, 11, 1228-1247.	7.7	45
6	Mitochondrial Threonyl-tRNA Synthetase TARS2 Is Required for Threonine-Sensitive mTORC1 Activation. Molecular Cell, 2021, 81, 398-407.e4.	4.5	29
7	Antidepressant actions of ketamine engage cell-specific translation via eIF4E. Nature, 2021, 590, 315-319.	13.7	68
8	Lysergic acid diethylamide (LSD) promotes social behavior through mTORC1 in the excitatory neurotransmission. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	55
9	Richard Jackson (1940â€“2020) â€•A towering presence in translation. EMBO Journal, 2021, 40, .	3.5	0
10	microRNA-mediated translation repression through GYF-1 and IFE-4 in <i>C. elegans</i> development. Nucleic Acids Research, 2021, 49, 4803-4815.	6.5	28
11	microRNA-induced translational control of antiviral immunity by the cap-binding protein 4EHP. Molecular Cell, 2021, 81, 1187-1199.e5.	4.5	23
12	Inhibiting the MNK1/2-eIF4E axis impairs melanoma phenotype switching and potentiates antitumor immune responses. Journal of Clinical Investigation, 2021, 131, .	3.9	35
13	4E-BP2-dependent translation in cerebellar Purkinje cells controls spatial memory but not autism-like behaviors. Cell Reports, 2021, 35, 109036.	2.9	2
14	Alexander Spirin (1931â€“2020): A visionary scientist, a teacher, a colleague, a friend. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2103938118.	3.3	1
15	4E-BP2â€“dependent translation in parvalbumin neurons controls epileptic seizure threshold. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	10
16	BAD regulates mammary gland morphogenesis by 4E-BP1-mediated control of localized translation in mouse and human models. Nature Communications, 2021, 12, 2939.	5.8	5
17	mRNA translation is a therapeutic vulnerability necessary for bladder epithelial transformation. JCI Insight, 2021, 6, .	2.3	9
18	Lesch-Nyhan disease causes impaired energy metabolism and reduced developmental potential in midbrain dopaminergic cells. Stem Cell Reports, 2021, 16, 1749-1762.	2.3	11

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19	Assessing eukaryotic initiation factor 4F subunit essentiality by CRISPR-induced gene ablation in the mouse. Cellular and Molecular Life Sciences, 2021, 78, 6709-6719.	2.4	13
20	High-risk human papillomavirus-18 uses an mRNA sequence to synthesize oncoprotein E6 in tumors. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	7
21	Wakefulness/sleep architecture and electroencephalographic activity in mice lacking the translational repressor 4E-BP1 or 4E-BP2. Sleep, 2020, 43, .	0.6	5
22	eIF2Î± controls memory consolidation via excitatory and somatostatin neurons. Nature, 2020, 586, 412-416.	13.7	74
23	Metformin inhibits RAN translation through PKR pathway and mitigates disease in <i>C9orf72</i> ALS/FTD mice. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 18591-18599.	3.3	79
24	The eIF4E homolog 4EHP (eIF4E2) regulates hippocampal long-term depression and impacts social behavior. Molecular Autism, 2020, 11, 92.	2.6	8
25	Unorthodox Mechanisms to Initiate Translation Open Novel Paths for Gene Expression. Journal of Molecular Biology, 2020, 432, 166702.	2.0	14
26	Identification and characterization of hippuristanol-resistant mutants reveals eIF4A1 dependencies within mRNA 5â€² leader regions. Nucleic Acids Research, 2020, 48, 9521-9537.	6.5	22
27	Dysregulated translational control in brain disorders: from genes to behavior. Current Opinion in Genetics and Development, 2020, 65, 34-41.	1.5	11
28	Non-cooperative 4E-BP2 folding with exchange between eIF4E-binding and binding-incompatible states tunes cap-dependent translation inhibition. Nature Communications, 2020, 11, 3146.	5.8	17
29	Elevated Vâ€"ATPase Activity Following PTEN Loss Is Required for Enhanced Oncogenic Signaling in Breast Cancer. Molecular Cancer Research, 2020, 18, 1477-1490.	1.5	8
30	Autism-Misregulated eIF4G Microexons Control Synaptic Translation and Higher Order Cognitive Functions. Molecular Cell, 2020, 77, 1176-1192.e16.	4.5	69
31	Rheb1-Independent Activation of mTORC1 in Mammary Tumors Occurs through Activating Mutations in mTOR. Cell Reports, 2020, 31, 107571.	2.9	10
32	The translational landscape of ground state pluripotency. Nature Communications, 2020, 11, 1617.	5.8	18
33	4E-BPâ€"Dependent Translational Control of Irf8 Mediates Adipose Tissue Macrophage Inflammatory Response. Journal of Immunology, 2020, 204, 2392-2400.	0.4	11
34	Asterâ€€ coordinates with COP I vesicles to regulate lysosomal trafficking and activation of mTORC1. EMBO Reports, 2020, 21, e49898.	2.0	17
35	eIF4E S209 phosphorylation licenses myc- and stress-driven oncogenesis. ELife, 2020, 9, .	2.8	19
36	Protein Synthesis and Translational Control: A Historical Perspective. Cold Spring Harbor Perspectives in Biology, 2019, 11, a035584.	2.3	14

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37	Principles of Translational Control. Cold Spring Harbor Perspectives in Biology, 2019, 11, a032607.	2.3	125
38	Translational Control in Cancer. Cold Spring Harbor Perspectives in Biology, 2019, 11, a032896.	2.3	191
39	Phospho-dependent phase separation of FMRP and CAPRIN1 recapitulates regulation of translation and deadenylation. Science, 2019, 365, 825-829.	6.0	240
40	Inhibitory interneurons mediate autism-associated behaviors via 4E-BP2. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18060-18067.	3.3	37
41	The eIF2Î± Kinase GCN2 Modulates Period and Rhythmicity of the Circadian Clock by Translational Control of Atf4. Neuron, 2019, 104, 724-735.e6.	3.8	43
42	The Organizing Principles of Eukaryotic Ribosome Recruitment. Annual Review of Biochemistry, 2019, 88, 307-335.	5.0	196
43	4E-BP1 Is a Tumor Suppressor Protein Reactivated by mTOR Inhibition in Head and Neck Cancer. Cancer Research, 2019, 79, 1438-1450.	0.4	54
44	A threonyl-tRNA synthetase-mediated translation initiation machinery. Nature Communications, 2019, 10, 1357.	5.8	52
45	Hepatic posttranscriptional network comprised of CCR4â€“NOT deadenylase and FGF21 maintains systemic metabolic homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7973-7981.	3.3	21
46	4Eâ€BP1 and 4Eâ€BP2 double knockout mice are protected from agingâ€associated sarcopenia. Journal of Cachexia, Sarcopenia and Muscle, 2019, 10, 696-709.	2.9	18
47	Phosphoregulated FMRP phase separation models activity-dependent translation through bidirectional control of mRNA granule formation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4218-4227.	3.3	249
48	Role of Translational Attenuation in Inherited Retinal Degeneration. , 2019, 60, 4849.		7
49	Lab-On-A-Chip for the Development of Pro-/Anti-Angiogenic Nanomedicines to Treat Brain Diseases. International Journal of Molecular Sciences, 2019, 20, 6126.	1.8	7
50	Nociceptor Translational Profiling Reveals the Ragulator-Rag GTPase Complex as a Critical Generator of Neuropathic Pain. Journal of Neuroscience, 2019, 39, 393-411.	1.7	95
51	Metformin for Treatment of Fragile X Syndrome and Other Neurological Disorders. Annual Review of Medicine, 2019, 70, 167-181.	5.0	52
52	eIF4A inhibition circumvents uncontrolled DNA replication mediated by 4E-BP1 loss in pancreatic cancer. JCI Insight, 2019, 4, .	2.3	25
53	V-ATPase-associated prorenin receptor is upregulated in prostate cancer after PTEN loss. Oncotarget, 2019, 10, 4923-4936.	0.8	12
54	The mTOR Targets 4E-BP1/2 Restrain Tumor Growth and Promote Hypoxia Tolerance in PTEN-driven Prostate Cancer. Molecular Cancer Research, 2018, 16, 682-695.	1.5	24

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55	Beyond molecular tumor heterogeneity: protein synthesis takes control. Oncogene, 2018, 37, 2490-2501.	2.6	37
56	Translational control in the tumor microenvironment promotes lung metastasis: Phosphorylation of eIF4E in neutrophils. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2202-E2209.	3.3	73
57	Removing 4E-BP Enables Synapses to Refine without Postsynaptic Activity. Cell Reports, 2018, 23, 11-22.	2.9	9
58	Aminoacylation of Proteins: New Targets for the Old ARSenal. Cell Metabolism, 2018, 27, 1-3.	7.2	34
59	Neuronal Regulation of eIF2Î± Function in Health and Neurological Disorders. Trends in Molecular Medicine, 2018, 24, 575-589.	3.5	52
60	mTOR signaling in VIP neurons regulates circadian clock synchrony and olfaction. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3296-E3304.	3.3	36
61	Structural Dynamics of the GW182 Silencing Domain Including its RNA Recognition motif (RRM) Revealed by Hydrogen-Deuterium Exchange Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2018, 29, 158-173.	1.2	11
62	Eukaryotic initiation factor 4F â€” sidestepping resistance mechanisms arising from expression heterogeneity. Current Opinion in Genetics and Development, 2018, 48, 89-96.	1.5	15
63	Dynamic interaction of poly(A)-binding protein with the ribosome. Scientific Reports, 2018, 8, 17435.	1.6	23
64	Translational control of tumor immune escape via the eIF4Fâ€“STAT1â€“PD-L1 axis in melanoma. Nature Medicine, 2018, 24, 1877-1886.	15.2	180
65	Translational control of depression-like behavior via phosphorylation of eukaryotic translation initiation factor 4E. Nature Communications, 2018, 9, 2459.	5.8	65
66	Translational control of ERK signaling through miRNA/4EHP-directed silencing. ELife, 2018, 7, .	2.8	41
67	Translation deregulation in human disease. Nature Reviews Molecular Cell Biology, 2018, 19, 791-807.	16.1	161
68	Active-site mTOR inhibitors augment HSV1-dICP0 infection in cancer cells via dysregulated eIF4E/4E-BP axis. PLoS Pathogens, 2018, 14, e1007264.	2.1	20
69	A continuum of mRNP complexes in embryonic microRNA-mediated silencing. Nucleic Acids Research, 2017, 45, gkw872.	6.5	20
70	N1-methyl-pseudouridine in mRNA enhances translation through eIF2Î±-dependent and independent mechanisms by increasing ribosome density. Nucleic Acids Research, 2017, 45, 6023-6036.	6.5	173
71	Metformin ameliorates core deficits in a mouse model of fragile X syndrome. Nature Medicine, 2017, 23, 674-677.	15.2	164
72	Cap-binding protein 4EHP effects translation silencing by microRNAs. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5425-5430.	3.3	93

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73	Translational control and the cancer cell response to stress. Current Opinion in Cell Biology, 2017, 45, 102-109.	2.6	58
74	Muscle metabolic alterations induced by genetic ablation of 4E-BP1 and 4E-BP2 in response to diet-induced obesity. Molecular Nutrition and Food Research, 2017, 61, 1700128.	1.5	11
75	Fragile X syndrome. Nature Reviews Disease Primers, 2017, 3, 17065.	18.1	490
76	mTOR Controls Mitochondrial Dynamics and Cell Survival via MTFP1. Molecular Cell, 2017, 67, 922-935.e5.	4.5	249
77	Translation is actively regulated during the differentiation of CD8+ effector T cells. Nature Immunology, 2017, 18, 1046-1057.	7.0	126
78	Loss of mTORC1 signalling impairs Î²-cell homeostasis and insulin processing. Nature Communications, 2017, 8, 16014.	5.8	125
79	The MNKâ€“eIF4E Signaling Axis Contributes to Injury-Induced Nociceptive Plasticity and the Development of Chronic Pain. Journal of Neuroscience, 2017, 37, 7481-7499.	1.7	106
80	The E3 ubiquitin ligase and RNA-binding protein ZNF598 orchestrates ribosome quality control of premature polyadenylated mRNAs. Nature Communications, 2017, 8, 16056.	5.8	179
81	Epiregulin and EGFR interactions are involved in pain processing. Journal of Clinical Investigation, 2017, 127, 3353-3366.	3.9	85
82	Metformin requires 4E-BPs to induce apoptosis and repress translation of Mcl-1 in hepatocellular carcinoma cells. Oncotarget, 2017, 8, 50542-50556.	0.8	21
83	Diverse cap-binding properties of Drosophila eIF4E isoforms. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2016, 1864, 1292-1303.	1.1	4
84	4E-BP2/SH2B1/IRS2 Are Part of a Novel Feedback Loop That Controls Î²-Cell Mass. Diabetes, 2016, 65, 2235-2248.	0.3	13
85	Transcriptional induction of 4E-BP3 prolongs translation repression. Cell Cycle, 2016, 15, 3325-3326.	1.3	8
86	Acute Fasting Regulates Retrograde Synaptic Enhancement through a 4E-BP-Dependent Mechanism. Neuron, 2016, 92, 1204-1212.	3.8	30
87	The 4E-BPâ€“eIF4E axis promotes rapamycin-sensitive growth and proliferation in lymphocytes. Science Signaling, 2016, 9, ra57.	1.6	56
88	LRRK2 regulates retrograde synaptic compensation at the Drosophila neuromuscular junction. Nature Communications, 2016, 7, 12188.	5.8	37
89	S6K-STING interaction regulates cytosolic DNAâ€“mediated activation of the transcription factor IRF3. Nature Immunology, 2016, 17, 514-522.	7.0	67
90	eIF2Î± phosphorylation controls thermal nociception. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11949-11954.	3.3	37

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91	NRF2 Promotes Tumor Maintenance by Modulating mRNA Translation in Pancreatic Cancer. Cell, 2016, 166, 963-976.	13.5	294
92	mTOR kinase is needed for the development and stabilization of dendritic arbors in newly born olfactory bulb neurons. Developmental Neurobiology, 2016, 76, 1308-1327.	1.5	35
93	The rate of protein synthesis in hematopoietic stem cells is limited partly by 4E-BPs. Genes and Development, 2016, 30, 1698-1703.	2.7	91
94	Control of embryonic stem cell self-renewal and differentiation via coordinated alternative splicing and translation of YY2. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12360-12367.	3.3	54
95	Translation control during prolonged mTORC1 inhibition mediated by 4E-BP3. Nature Communications, 2016, 7, 11776.	5.8	37
96	Proposing a mechanism of action for ataluren. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12353-12355.	3.3	24
97	Translational control by 5â€²-untranslated regions of eukaryotic mRNAs. Science, 2016, 352, 1413-1416.	6.0	830
98	Signalling to eIF4E in cancer. Biochemical Society Transactions, 2015, 43, 763-772.	1.6	177
99	Deficiency in <scp>mTORC</scp> 1â€controlled <i> C/ <scp>EBP</scp> Î² </i> â€•<scp>mRNA</scp> translation improves metabolic health in mice. EMBO Reports, 2015, 16, 1022-1036.	2.0	38
100	Phosphorylation of eIF4E Confers Resistance to Cellular Stress and DNA-Damaging Agents through an Interaction with 4E-T: A Rationale for Novel Therapeutic Approaches. PLoS ONE, 2015, 10, e0123352.	1.1	33
101	Targeting the eIF4F Translation Initiation Complex: A Critical Nexus for Cancer Development. Cancer Research, 2015, 75, 250-263.	0.4	291
102	Targeting the translation machinery in cancer. Nature Reviews Drug Discovery, 2015, 14, 261-278.	21.5	628
103	Translational Tolerance of Mitochondrial Genes to Metabolic Energy Stress Involves TISU and eIF1-eIF4GI Cooperation in Start Codon Selection. Cell Metabolism, 2015, 21, 479-492.	7.2	80
104	Translation and cancer. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2015, 1849, 751-752.	0.9	10
105	Light-regulated translational control of circadian behavior by eIF4E phosphorylation. Nature Neuroscience, 2015, 18, 855-862.	7.1	71
106	Microtubule disruption synergizes with oncolytic virotherapy by inhibiting interferon translation and potentiating bystander killing. Nature Communications, 2015, 6, 6410.	5.8	42
107	The long unfinished march towards understanding microRNA-mediated repression. Rna, 2015, 21, 519-524.	1.6	19
108	G3BP1 promotes stress-induced RNA granule interactions to preserve polyadenylated mRNA. Journal of Cell Biology, 2015, 209, 73-84.	2.3	94

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109	DAP5 associates with eIF2Î² and eIF4AI to promote Internal Ribosome Entry Site driven translation. Nucleic Acids Research, 2015, 43, 3764-3775.	6.5	81
110	Inhibition of Group I Metabotropic Glutamate Receptors Reverses Autistic-Like Phenotypes Caused by Deficiency of the Translation Repressor eIF4E Binding Protein 2. Journal of Neuroscience, 2015, 35, 11125-11132.	1.7	48
111	Norepinephrine triggers metaplasticity of LTP by increasing translation of specific mRNAs. Learning and Memory, 2015, 22, 499-508.	0.5	42
112	Folding of an intrinsically disordered protein by phosphorylation as a regulatory switch. Nature, 2015, 519, 106-109.	13.7	471
113	mTORC1-mediated translational elongation limits intestinal tumour initiation and growth. Nature, 2015, 517, 497-500.	13.7	257
114	Translational control of nociception via 4E-binding protein 1. ELife, 2015, 4, .	2.8	34
115	Human DDX6 effects miRNA-mediated gene silencing via direct binding to CNOT1. Rna, 2014, 20, 1398-1409.	1.6	112
116	Pharmacogenetic Inhibition of eIF4E-Dependent Mmp9 mRNA Translation Reverses Fragile X Syndrome-like Phenotypes. Cell Reports, 2014, 9, 1742-1755.	2.9	174
117	Inducible costimulator facilitates T-dependent B cell activation by augmenting IL-4 translation. Molecular Immunology, 2014, 59, 46-54.	1.0	35
118	Remote Control of Gene Function by Local Translation. Cell, 2014, 157, 26-40.	13.5	273
119	Largen: A Molecular Regulator of Mammalian Cell Size Control. Molecular Cell, 2014, 53, 904-915.	4.5	30
120	Translational control of immune responses: from transcripts to translatomes. Nature Immunology, 2014, 15, 503-511.	7.0	193
121	Parallel measurement of dynamic changes in translation rates in single cells. Nature Methods, 2014, 11, 86-93.	9.0	49
122	Distinctive tRNA Repertoires in Proliferating versus Differentiating Cells. Cell, 2014, 158, 1238-1239.	13.5	14
123	MicroRNAs Trigger Dissociation of eIF4AI and eIF4AII from Target mRNAs in Humans. Molecular Cell, 2014, 56, 79-89.	4.5	117
124	Insulin regulates carboxypeptidase E by modulating translation initiation scaffolding protein eIF4G1 in pancreatic Î² cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2319-28.	3.3	42
125	Multifaceted Regulation of Somatic Cell Reprogramming by mRNA Translational Control. Cell Stem Cell, 2014, 14, 606-616.	5.2	39
126	Single-Molecule Kinetics of the Eukaryotic Initiation Factor 4AI upon RNA Unwinding. Structure, 2014, 22, 941-948.	1.6	48

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127	Translational Control of Autism and Fragile-X Syndrome. , 2014, , 249-276.		0
128	mTORC1 Controls Mitochondrial Activity and Biogenesis through 4E-BP-Dependent Translational Regulation. Cell Metabolism, 2013, 18, 698-711.	7.2	647
129	Autism-related deficits via dysregulated eIF4E-dependent translational control. Nature, 2013, 493, 371-377.	13.7	451
130	mTORC1 inhibition induces pain via IRS-1-dependent feedback activation of ERK. Pain, 2013, 154, 1080-1091.	2.0	79
131	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. Journal of Biological Chemistry, 2013, 288, 10176-10187.	1.6	44
132	Structural basis for the recruitment of the human CCR4â€"NOT deadenylase complex by tristetraprolin. Nature Structural and Molecular Biology, 2013, 20, 735-739.	3.6	230
133	Introduction toTranslation. Translation, 2013, 1, e24611.	2.9	0
134	Translational control and autism-like behaviors. Cellular Logistics, 2013, 3, e24551.	0.9	15
135	Polysome Profiling Analysis. Bio-protocol, 2013, 3, .	0.2	9
136	HuR protein attenuates miRNA-mediated repression by promoting miRISC dissociation from the target RNA. Nucleic Acids Research, 2012, 40, 5088-5100.	6.5	162
137	A Novel 4EHP-GIGYF2 Translational Repressor Complex Is Essential for Mammalian Development. Molecular and Cellular Biology, 2012, 32, 3585-3593.	1.1	164
138	Aaron Shatkin (1934â€"2012). Science, 2012, 337, 309-309.	6.0	1
139	Translational Homeostasis via the mRNA Cap-Binding Protein, eIF4E. Molecular Cell, 2012, 46, 847-858.	4.5	146
140	eIF4E/4E-BP Ratio Predicts the Efficacy of mTOR Targeted Therapies. Cancer Research, 2012, 72, 6468-6476.	0.4	140
141	Distinct perturbation of the translatome by the antidiabetic drug metformin. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8977-8982.	3.3	169
142	Translational control of the activation of transcription factor NF-Î°B and production of type I interferon by phosphorylation of the translation factor eIF4E. Nature Immunology, 2012, 13, 543-550.	7.0	114
143	Structure-Activity Analysis of Niclosamide Reveals Potential Role for Cytoplasmic pH in Control of Mammalian Target of Rapamycin Complex 1 (mTORC1) Signaling. Journal of Biological Chemistry, 2012, 287, 17530-17545.	1.6	141
144	Mechanism of action of miRNA. FASEB Journal, 2012, 26, 461.3.	0.2	1

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145	Leishmania Repression of Host Translation through mTOR Cleavage Is Required for Parasite Survival and Infection. Cell Host and Microbe, 2011, 9, 331-341.	5.1	153
146	miRNA-mediated deadenylation is orchestrated by GW182 through two conserved motifs that interact with CCR4â€“NOT. Nature Structural and Molecular Biology, 2011, 18, 1211-1217.	3.6	286
147	Targeting Adenosine Monophosphate-Activated Protein Kinase (AMPK) in Preclinical Models Reveals a Potential Mechanism for the Treatment of Neuropathic Pain. Molecular Pain, 2011, 7, 1744-8069-7-70.	1.0	189
148	Unique translation initiation of mRNAs-containing TISU element. Nucleic Acids Research, 2011, 39, 7598-7609.	6.5	89
149	eIF4E phosphorylation promotes tumorigenesis and is associated with prostate cancer progression. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14134-14139.	3.3	447
150	mTORC1-Mediated Cell Proliferation, But Not Cell Growth, Controlled by the 4E-BPs. Science, 2010, 328, 1172-1176.	6.0	624
151	Vesicular stomatitis virus oncolysis is potentiated by impairing mTORC1-dependent type I IFN production. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1576-1581.	3.3	113
152	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.	4.5	96
153	Double-Stranded RNA-Dependent Protein Kinase Links Pathogen Sensing with Stress and Metabolic Homeostasis. Cell, 2010, 140, 338-348.	13.5	453
154	Regulation of mRNA Translation and Stability by microRNAs. Annual Review of Biochemistry, 2010, 79, 351-379.	5.0	2,694
155	p53-Dependent Translational Control of Senescence and Transformation via 4E-BPs. Cancer Cell, 2009, 16, 439-446.	7.7	104
156	Regulation of Translation Initiation in Eukaryotes: Mechanisms and Biological Targets. Cell, 2009, 136, 731-745.	13.5	2,754
157	Translational Control of Long-Lasting Synaptic Plasticity and Memory. Neuron, 2009, 61, 10-26.	3.8	817
158	Mammalian miRNA RISC Recruits CAF1 and PABP to Affect PABP-Dependent Deadenylation. Molecular Cell, 2009, 35, 868-880.	4.5	331
159	Translational control of the innate immune response through IRF-7. Nature, 2008, 452, 323-328.	13.7	275
160	The Fragile X Syndrome Protein Represses Activity-Dependent Translation through CYFIP1, a New 4E-BP. Cell, 2008, 134, 1042-1054.	13.5	542
161	eIF4E, the mRNA cap-binding protein: from basic discovery to translational researchThis paper is one of a selection of papers published in this Special Issue, entitled CSBMCB â€” Systems and Chemical Biology, and has undergone the Journal's usual peer review process.. Biochemistry and Cell Biology, 2008, 86, 178-183.	0.9	178
162	ERK and mTOR Signaling Couple Î²-Adrenergic Receptors to Translation Initiation Machinery to Gate Induction of Protein Synthesis-dependent Long-term Potentiation. Journal of Biological Chemistry, 2007, 282, 27527-27535.	1.6	99

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163	New Modes of Translational Control in Development, Behavior, and Disease. Molecular Cell, 2007, 28, 721-729.	4.5	181
164	MicroRNA Inhibition of Translation Initiation in Vitro by Targeting the Cap-Binding Complex eIF4F. Science, 2007, 317, 1764-1767.	6.0	458
165	Elevated sensitivity to diet-induced obesity and insulin resistance in mice lacking 4E-BP1 and 4E-BP2. Journal of Clinical Investigation, 2007, 117, 387-396.	3.9	279
166	Epigenetic Activation of a Subset of mRNAs by eIF4E Explains Its Effects on Cell Proliferation. PLoS ONE, 2007, 2, e242.	1.1	184
167	SIGNAL TRANSDUCTION: Protein Synthesis and Oncogenesis Meet Again. Science, 2006, 314, 428-429.	6.0	36
168	The mTOR/PI3K and MAPK pathways converge on eIF4B to control its phosphorylation and activity. EMBO Journal, 2006, 25, 2781-2791.	3.5	459
169	Initiation of Protein Synthesis. , 2006, , 219-322.		0
170	Regulation of cap-dependent translation by eIF4E inhibitory proteins. Nature, 2005, 433, 477-480.	13.7	841
171	Mammalian poly(A)-binding protein is a eukaryotic translation initiation factor, which acts via multiple mechanisms. Genes and Development, 2005, 19, 104-113.	2.7	403
172	The Translation Repressor 4E-BP2 Is Critical for eIF4F Complex Formation, Synaptic Plasticity, and Memory in the Hippocampus. Journal of Neuroscience, 2005, 25, 9581-9590.	1.7	280
173	A New Paradigm for Translational Control: Inhibition via 5â€²-3â€² mRNA Tethering by Bicoid and the eIF4E Cognate 4EHP. Cell, 2005, 121, 411-423.	13.5	232
174	A Novel Function of the MA-3 Domains in Transformation and Translation Suppressor Pdcd4 Is Essential for Its Binding to Eukaryotic Translation Initiation Factor 4A. Molecular and Cellular Biology, 2004, 24, 3894-3906.	1.1	183
175	Phosphorylation of eucaryotic translation initiation factor 4B Ser422 is modulated by S6 kinases. EMBO Journal, 2004, 23, 1761-1769.	3.5	397
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