Masahiro Morita

List of Publications by Year
in descending order

40 papers	3,883 citations	201674 27 h-index	302126 39 g-index
42 all docs	42 docs citations	42 times ranked	7335 citing authors

#	Article	IF	Citations
1	mTORC1 Controls Mitochondrial Activity and Biogenesis through 4E-BP-Dependent Translational Regulation. Cell Metabolism, 2013, 18, 698-711.	16.2	647
2	mTOR coordinates protein synthesis, mitochondrial activity and proliferation. Cell Cycle, 2015, 14, 473-480.	2.6	397
3	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.	8.2	286
4	mTOR Controls Mitochondrial Dynamics and Cell Survival via MTFP1. Molecular Cell, 2017, 67, 922-935.e5.	9.7	249
5	La-related Protein 1 (LARP1) Represses Terminal Oligopyrimidine (TOP) mRNA Translation Downstream of mTOR Complex 1 (mTORC1). Journal of Biological Chemistry, 2015, 290, 15996-16020.	3.4	198
6	nanoCAGE reveals 5â€² UTR features that define specific modes of translation of functionally related MTOR-sensitive mRNAs. Genome Research, 2016, 26, 636-648.	5.5	177
7	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.	7.1	169
8	A Novel 4EHP-GIGYF2 Translational Repressor Complex Is Essential for Mammalian Development. Molecular and Cellular Biology, 2012, 32, 3585-3593.	2.3	164
9	Polysome Fractionation and Analysis of Mammalian Translatomes on a Genome-wide Scale. Journal of Visualized Experiments, 2014, , .	0.3	153
10	eIF4E/4E-BP Ratio Predicts the Efficacy of mTOR Targeted Therapies. Cancer Research, 2012, 72, 6468-6476.	0.9	140
11	Translation is actively regulated during the differentiation of CD8+ effector T cells. Nature Immunology, 2017, 18, 1046-1057.	14.5	126
12	Human DDX6 effects miRNA-mediated gene silencing via direct binding to CNOT1. Rna, 2014, 20, 1398-1409.	3.5	112
13	Depletion of Mammalian CCR4b Deadenylase Triggers Elevation of the p27^{Kip1} mRNA Level and Impairs Cell Growth. Molecular and Cellular Biology, 2007, 27, 4980-4990.	2.3	98
14	Multifunctional roles of the mammalian CCR4Ã¢â‚¬â€œNOT complex in physiological phenomena. Frontiers in Genetics, 2014, 5, 286.	2.3	95
15	Crystal structure of the human CNOT6L nuclease domain reveals strict poly(A) substrate specificity. EMBO Journal, 2010, 29, 2566-2576.	7.8	87
16	mTORC1 and CK2 coordinate ternary and eIF4F complex assembly. Nature Communications, 2016, 7, 11127.	12.8	75
17	Obesity resistance and increased hepatic expression of catabolism-related mRNAs inCnot3^{+/â^’}mice. EMBO Journal, 2011, 30, 4678-4691.	7.8	71
18	CNOT2 depletion disrupts and inhibits the CCR4-NOT deadenylase complex and induces apoptotic cell death. Genes To Cells, 2011, 16, 368-379.	1.2	69

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19	The role of the CNOT1 subunit of the CCR4-NOT complex in mRNA deadenylation and cell viability. Protein and Cell, 2011, 2, 755-763.	11.0	63
20	Translational and HIF-1Î±-Dependent Metabolic Reprogramming Underpin Metabolic Plasticity and Responses to Kinase Inhibitors and Biguanides. Cell Metabolism, 2018, 28, 817-832.e8.	16.2	61
21	Post-transcriptional Stabilization of Ucp1 mRNA Protects Mice from Diet-Induced Obesity. Cell Reports, 2015, 13, 2756-2767.	6.4	46
22	Crystal structures of human BTG2 and mouse TIS21 involved in suppression of CAF1 deadenylase activity. Nucleic Acids Research, 2008, 36, 6872-6881.	14.5	43
23	CNOT3 contributes to early B cell development by controlling Igh rearrangement and p53 mRNA stability. Journal of Experimental Medicine, 2015, 212, 1465-1479.	8.5	43
24	Translational control of ERK signaling through miRNA/4EHP-directed silencing. ELife, 2018, 7, .	6.0	41
25	Deletion of the gene encoding G0/G1 switch protein 2 (G0s2) alleviates high-fat-diet-induced weight gain and insulin resistance, and promotes browning of white adipose tissue in mice. Diabetologia, 2015, 58, 149-157.	6.3	38
26	Interaction of antiproliferative protein Tob with the CCR4â€NOT deadenylase complex. Cancer Science, 2008, 99, 755-761.	3.9	35
27	Stability of mRNA influences osteoporotic bone mass via CNOT3. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2692-2697.	7.1	29
28	Tob2 Inhibits Peroxisome Proliferator-Activated Receptor Î³2 Expression by Sequestering Smads and C/EBPÎ± during Adipocyte Differentiation. Molecular and Cellular Biology, 2012, 32, 5067-5077.	2.3	27
29	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.	7.1	21
30	Metformin requires 4E-BPs to induce apoptosis and repress translation of Mcl-1 in hepatocellular carcinoma cells. Oncotarget, 2017, 8, 50542-50556.	1.8	21
31	Deadenylase-dependent mRNA decay of GDF15 and FGF21 orchestrates food intake and energy expenditure. Cell Metabolism, 2022, 34, 564-580.e8.	16.2	21
32	Adipocyteâ€specific disruption of mouse Cnot3 causes lipodystrophy. FEBS Letters, 2017, 591, 358-368.	2.8	20
33	Involvement of CNOT3 in mitotic progression through inhibition of MAD1 expression. Biochemical and Biophysical Research Communications, 2012, 419, 268-273.	2.1	15
34	The CCR4â€“NOT deadenylase complex safeguards thymic positive selection by down-regulating aberrant pro-apoptotic gene expression. Nature Communications, 2020, 11, 6169.	12.8	11
35	4E-BPâ€–Dependent Translational Control of Irf8 Mediates Adipose Tissue Macrophage Inflammatory Response. Journal of Immunology, 2020, 204, 2392-2400.	0.8	11
36	Polysome Profiling Analysis. Bio-protocol, 2013, 3, .	0.4	9

#	Article	IF	Citations
37	Menin and Menin-Associated Proteins Coregulate Cancer Energy Metabolism. Cancers, 2020, 12, 2715.	3.7	7
38	Hepatic Choline Transport Is Inhibited During Fatty Acidâ€“Induced Lipotoxicity and Obesity. Hepatology Communications, 2020, 4, 876-889.	4.3	5
39	Involvement of the CCR4-NOT Deadenylase Complex in the Control of Cell Growth. , 2009, , 229-237.		1
40	Translational and HIF11-Dependent Metabolic Reprograming Underpin Oncometabolome Plasticity and Synergy Between Oncogenic Kinase Inhibitors and Biguanides. SSRN Electronic Journal, 0, , .	0.4	1