Motoaki Wakiyama

List of Publications by Year
in descending order

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39 papers	1,390 citations	471371 17 h-index	330025 37 g-index
39 all docs	39 docs citations	39 times ranked	2275 citing authors

#	Article	IF	Citations
1	Let-7 microRNA-mediated mRNA deadenylation and translational repression in a mammalian cell-free system. Genes and Development, 2007, 21, 1857-1862.	2.7	258
2	Crystal structures of the human adiponectin receptors. Nature, 2015, 520, 312-316.	13.7	176
3	Interaction of eIF4G with poly(A)-binding protein stimulates translation and is critical for Xenopus oocyte maturation. Current Biology, 2000, 10, 1147-1150.	1.8	114
4	Structural basis for the altered drug sensitivities of non-small cell lung cancer-associated mutants of human epidermal growth factor receptor. Oncogene, 2013, 32, 27-38.	2.6	114
5	Mammalian GW182 contains multiple Argonaute-binding sites and functions in microRNA-mediated translational repression. Rna, 2009, 15, 1078-1089.	1.6	108
6	A Pyrrolo-Pyrimidine Derivative Targets Human Primary AML Stem Cells in Vivo. Science Translational Medicine, 2013, 5, 181ra52.	5.8	75
7	Conserved Neutralizing Epitope at Globular Head of Hemagglutinin in H3N2 Influenza Viruses. Journal of Virology, 2014, 88, 7130-7144.	1.5	67
8	Structures of the first and second doubleâ€stranded RNAâ€binding domains of human TAR RNAâ€binding protein. Protein Science, 2011, 20, 118-130.	3.1	50
9	Drosophila U6 promoter-driven short hairpin RNAs effectively induce RNA interference in Schneider 2 cells. Biochemical and Biophysical Research Communications, 2005, 331, 1163-1170.	1.0	44
10	Structural Basis for the Specific Recognition of the Major Antigenic Peptide from the Japanese Cedar Pollen Allergen Cry j 1 by HLA-DP5. Journal of Molecular Biology, 2014, 426, 3016-3027.	2.0	37
11	Genetic encoding of nonâ€natural amino acids in Drosophila melanogaster Schneider 2 cells. Protein Science, 2010, 19, 440-448.	3.1	34
12	Tetrameric Interaction of the Ectoenzyme CD38 on the Cell Surface Enables Its Catalytic and Raft-Association Activities. Structure, 2012, 20, 1585-1595.	1.6	31
13	Internal ribosome entry site-mediated translation of Smad5 in vivo: requirement for a nuclear event. Nucleic Acids Research, 2002, 30, 2851-2861.	6.5	26
14	mRNA encoding the translation initiation factor eIF-4E is expressed early inXenopusembryogenesis. FEBS Letters, 1995, 360, 191-193.	1.3	25
15	Poly(A) dependent translation in rabbit reticulocyte lysate. Biochimie, 1997, 79, 781-785.	1.3	25
16	Cell-free translation system from Drosophila S2 cells that recapitulates RNAi. Biochemical and Biophysical Research Communications, 2006, 343, 1067-1071.	1.0	20
17	High-level expression of porcine muscle adenylate kinase in Escherichia coli: Effects of the copy number of the gene and the translational initiation signals. Journal of Biotechnology, 1994, 32, 139-148.	1.9	17
18	The zincâ€binding region (ZBR) fragment of Emi2 can inhibit APC/C by targeting its association with the coactivator Cdc20 and UBE2Câ€mediated ubiquitylation. FEBS Open Bio, 2014, 4, 689-703.	1.0	17

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19	Binding Analysis of Xenopus laevis Translation Initiation Factor 4E (eIF4E) in Initiation Complex Formation. Journal of Biochemistry, 1999, 126, 897-904.	0.9	16
20	Polysomes of eukaryotic cells observed by electron microscopy. Journal of Electron Microscopy, 2000, 49, 663-668.	0.9	16
21	Expression, purification, crystallization, and preliminary X-ray crystallographic studies of the human adiponectin receptors, AdipoR1 and AdipoR2. Journal of Structural and Functional Genomics, 2015, 16, 11-23.	1.2	14
22	Crystal structures of the S6K1 kinase domain in complexes with inhibitors. Journal of Structural and Functional Genomics, 2014, 15, 153-164.	1.2	13
23	Analysis of the Isoform of Xenopus Euakryotic Translation Initiation Factor 4E. Bioscience, Biotechnology and Biochemistry, 2001, 65, 232-235.	0.6	11
24	Identification of novel drug-resistant EGFR mutant inhibitors by in silico screening using comprehensive assessments of protein structures. Bioorganic and Medicinal Chemistry, 2012, 20, 3756-3767.	1.4	11
25	Micro<scp>RNP</scp>â€mediated translational activation of nonadenylated <scp>mRNA</scp>s in a mammalian cellâ€free system. Genes To Cells, 2018, 23, 332-344.	0.5	10
26	Interference with Interaction between Eukaryotic Translation Initiation Factor 4G and Poly(A)-Binding Protein in Xenopus Oocytes Leads to Inhibition of Polyadenylated mRNA Translation and Oocyte Maturation. Journal of Biochemistry, 2001, 130, 737-740.	0.9	8
27	Tethering of proteins to RNAs using the bovine immunodeficiency virusâ€“Tat peptide and BIVâ€“TAR RNA. Analytical Biochemistry, 2012, 427, 130-132.	1.1	8
28	Isolation and characterization of Xenopus laevis aldolase B cDNA and expression patterns of aldolase A, B and C genes in adult tissues, oocytes and embryos of Xenopus laevis. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2000, 1493, 101-118.	2.4	7
29	Establishment of Stable hFis1 Knockdown Cells with an siRNA Expression Vector. Journal of Biochemistry, 2004, 136, 421-425.	0.9	7
30	Alteration of enzymatic properties of cell-surface antigen CD38 by agonistic anti-CD38 antibodies that prolong B cell survival and induce activation. International Immunopharmacology, 2008, 8, 59-70.	1.7	7
31	Effect of tandem repeated AUG codons on translation efficiency of eukaryotic mRNA carrying a short leader sequence. Molecular Genetics and Genomics, 1993, 238-238, 59-64.	2.4	5
32	Coupled transcription and translation from polymerase chain reaction-amplified DNA in Drosophila Schneider 2 cell-free system. Analytical Biochemistry, 2010, 400, 142-144.	1.1	5
33	Translational Regulation of the mRNA Encoding the Eukaryotic Translation Initiation Factor 4E in Xenopus. Bioscience, Biotechnology and Biochemistry, 2001, 65, 229-231.	0.6	3
34	Inducible protein expression in Drosophila Schneider 2 cells using the lac operatorâ€“repressor system. Biotechnology Letters, 2011, 33, 2361-2366.	1.1	3
35	MicroRNA-Mediated Deadenylation in a Mammalian Cell-Free System. Methods in Molecular Biology, 2014, 1125, 341-351.	0.4	3
36	Disulfide bond formation is not involved in cap-binding activity ofXenopustranslation initiation factor eIF-4E. FEBS Letters, 1997, 409, 407-410.	1.3	2

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37	pCMV-Leu2/pUCA-Neo, a vector set for screening Schizosaccharomyces pombe transformants expressing heterologous proteins. Analytical Biochemistry, 2011, 414, 306-308.	1.1	2
38	Inhibition of Translation and Progesterone-induced Maturation ofXenopusOocytes by Expressing the Amino-terminal Portion of the Eukaryotic Translation Initiation Factor 4G. Bioscience, Biotechnology and Biochemistry, 2002, 66, 185-187.	0.6	1
39	Posttranscriptional Control of Protein Synthesis in Drosophila S2 Cell-Free System. Methods in Molecular Biology, 2014, 1118, 257-266.	0.4	0