Motoaki Wakiyama

List of Publications by Year
in descending order

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	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
2	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
3	Crystal structures of the human adiponectin receptors. Nature, 2015, 520, 312-316.	13.7	176
4	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
5	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
6	Crystal structures of the S6K1 kinase domain in complexes with inhibitors. Journal of Structural and Functional Genomics, 2014, 15, 153-164.	1.2	13
7	Conserved Neutralizing Epitope at Globular Head of Hemagglutinin in H3N2 Influenza Viruses. Journal of Virology, 2014, 88, 7130-7144.	1.5	67
8	MicroRNA-Mediated Deadenylation in a Mammalian Cell-Free System. Methods in Molecular Biology, 2014, 1125, 341-351.	0.4	3
9	Posttranscriptional Control of Protein Synthesis in Drosophila S2 Cell-Free System. Methods in Molecular Biology, 2014, 1118, 257-266.	0.4	0
10	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
11	A Pyrrolo-Pyrimidine Derivative Targets Human Primary AML Stem Cells in Vivo. Science Translational Medicine, 2013, 5, 181ra52.	5.8	75
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	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
14	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
15	Inducible protein expression in Drosophila Schneider 2 cells using the lac operatorâ€"repressor system. Biotechnology Letters, 2011, 33, 2361-2366.	1.1	3
16	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
17	pCMV-Leu2/pUCA-Neo, a vector set for screening Schizosaccharomyces pombe transformants expressing heterologous proteins. Analytical Biochemistry, 2011, 414, 306-308.	1.1	2
18	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

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19	Genetic encoding of nonâ€natural amino acids in <i>Drosophila melanogaster</i> Schneider 2 cells. Protein Science, 2010, 19, 440-448.	3.1	34
20	Mammalian GW182 contains multiple Argonaute-binding sites and functions in microRNA-mediated translational repression. Rna, 2009, 15, 1078-1089.	1.6	108
21	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
22	<i>Let-</i>7 microRNA-mediated mRNA deadenylation and translational repression in a mammalian cell-free system. Genes and Development, 2007, 21, 1857-1862.	2.7	258
23	Cell-free translation system from Drosophila S2 cells that recapitulates RNAi. Biochemical and Biophysical Research Communications, 2006, 343, 1067-1071.	1.0	20
24	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
25	Establishment of Stable hFis1 Knockdown Cells with an siRNA Expression Vector. Journal of Biochemistry, 2004, 136, 421-425.	0.9	7
26	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
27	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
28	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
29	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
30	Analysis of the Isoform of Xenopus Euakryotic Translation Initiation Factor 4E. Bioscience, Biotechnology and Biochemistry, 2001, 65, 232-235.	0.6	11
31	Polysomes of eukaryotic cells observed by electron microscopy. Journal of Electron Microscopy, 2000, 49, 663-668.	0.9	16
32	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
33	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
34	Binding Analysis of Xenopus laevis Translation Initiation Factor 4E (eIF4E) in Initiation Complex Formation. Journal of Biochemistry, 1999, 126, 897-904.	0.9	16
35	Disulfide bond formation is not involved in cap-binding activity ofXenopustranslation initiation factor eIF-4E. FEBS Letters, 1997, 409, 407-410.	1.3	2
36	Poly(A) dependent translation in rabbit reticulocyte lysate. Biochimie, 1997, 79, 781-785.	1.3	25

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37	mRNA encoding the translation initiation factor eIF-4E is expressed early inXenopusembryogenesis. FEBS Letters, 1995, 360, 191-193.	1.3	25
38	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
39	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