Hiroaki Imataka

List of Publications by Year
in descending order

36	1,377	471509 17	361022 35
papers	citations	h-index	g-index

40	40	40	2101
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reconstitution reveals the functional core of mammalian eIF3. EMBO Journal, 2007, 26, 3373-3383.	7.8	172
2	Dual Interactions of the Translational Repressor Paip2 with Poly(A) Binding Protein. Molecular and Cellular Biology, 2001, 21, 5200-5213.	2.3	148
3	The Translation Inhibitor Rocaglamide Targets a Bimolecular Cavity between eIF4A and Polypurine RNA. Molecular Cell, 2019, 73, 738-748.e9.	9.7	128
4	MicroRNAs Trigger Dissociation of eIF4AI and eIF4AII from Target mRNAs in Humans. Molecular Cell, 2014, 56, 79-89.	9.7	117
5	An efficient mammalian cell-free translation system supplemented with translation factors. Protein Expression and Purification, 2006, 46, 348-357.	1.3	109
6	Requirement of RNA Binding of Mammalian Eukaryotic Translation Initiation Factor 4GI (eIF4GI) for Efficient Interaction of eIF4E with the mRNA Cap. Molecular and Cellular Biology, 2009, 29, 1661-1669.	2.3	100
7	The ELAV Protein HuD Stimulates Cap-Dependent Translation in a Poly(A)- and eIF4A-Dependent Manner. Molecular Cell, 2009, 36, 1007-1017.	9.7	90
8	Dom34 mediates targeting of exogenous RNA in the antiviral OAS/RNase L pathway. Nucleic Acids Research, 2019, 47, 432-449.	14.5	67
9	A human cell-derived in vitro coupled transcription/translation system optimized for production of recombinant proteins. Protein Expression and Purification, 2008, 62, 190-198.	1.3	65
10	A hybridoma-based in vitro translation system that efficiently synthesizes glycoproteins. Journal of Biotechnology, 2006, 127, 65-78.	3.8	58
11	HCV IRES Captures an Actively Translating 80S Ribosome. Molecular Cell, 2019, 74, 1205-1214.e8.	9.7	42
12	A Translation System Reconstituted with Human Factors Proves That Processing of Encephalomyocarditis Virus Proteins 2A and 2B Occurs in the Elongation Phase of Translation without Eukaryotic Release Factors. Journal of Biological Chemistry, 2014, 289, 31960-31971.	3.4	30
13	Large-scale aggregation analysis of eukaryotic proteins reveals an involvement of intrinsically disordered regions in protein folding. Scientific Reports, 2018, 8, 678.	3.3	26
14	An improved cell-free system for picornavirus synthesis. Journal of Virological Methods, 2007, 142, 182-188.	2.1	24
15	Dynamic interaction of poly(A)-binding protein with the ribosome. Scientific Reports, 2018, 8, 17435.	3.3	23
16	N-terminally truncated GADD34 proteins are convenient translation enhancers in a human cell-derived in vitro protein synthesis system. Biotechnology Letters, 2010, 32, 897-902.	2.2	21
17	Reconstitution of the human chaperonin CCT by co-expression of the eight distinct subunits in mammalian cells. Protein Expression and Purification, 2012, 82, 61-69.	1.3	19
18	Production methods for viral particles. Biotechnology Letters, 2015, 37, 753-760.	2.2	19

#	Article	IF	Citations
19	Synthesis of encephalomyocarditis virus in a cell-free system: from DNA to RNA virus in one tube. Biotechnology Letters, 2012, 34, 67-73.	2.2	14
20	Reconstitution of eukaryotic translation initiation factor 3 by co-expression of the subunits in a human cell-derived in vitro protein synthesis system. Protein Expression and Purification, 2013, 87, 5-10.	1.3	12
21	Cell-free RNA replication systems based on a human cell extracts-derived in vitro translation system with the encephalomyocarditisvirus RNA. Journal of Biochemistry, 2011, 150, 423-430.	1.7	10
22	H+ emission under room temperature and non-vacuum atmosphere from a solâ€“gel-derived nanoporous emitter. Journal of Sol-Gel Science and Technology, 2017, 83, 252-258.	2.4	9
23	Reconstitution of yeast translation elongation and termination in vitro utilizing CrPV IRES-containing mRNA. Journal of Biochemistry, 2020, 167, 441-450.	1.7	9
24	Human Cell Extract-Derived Cell-Free Systems for Virus Synthesis. Methods in Molecular Biology, 2014, 1118, 149-156.	0.9	8
25	Purification and visualization of encephalomyocarditisvirus synthesized by an in vitro protein expression system derived from mammalian cell extract. Biotechnology Letters, 2013, 35, 309-314.	2.2	7
26	Cell-free analysis of polyQ-dependent protein aggregation and its inhibition by chaperone proteins. Journal of Biotechnology, 2016, 239, 1-8.	3.8	7
27	Palmâ€sized Ag⁺ Ion Emission Gun Operated at Room Temperature in Nonâ€Vacuum Atmosphere. Advanced Engineering Materials, 2018, 20, 1800198.	3.5	7
28	In vitro yeast reconstituted translation system reveals function of eIF5A for synthesis of long polypeptide. Journal of Biochemistry, 2020, 167, 451-462.	1.7	7
29	eIF4G-driven translation initiation of downstream ORFs in mammalian cells. Nucleic Acids Research, 2020, 48, 10441-10455.	14.5	6
30	Distinct roles and actions of protein disulfide isomerase family enzymes in catalysis of nascent-chain disulfide bond formation. IScience, 2021, 24, 102296.	4.1	5
31	Expression, purification, and crystallization of Schizosaccharomyces pombe eIF2B. Journal of Structural and Functional Genomics, 2016, 17, 33-38.	1.2	4
32	Identification of the T-complex protein as a binding partner for newly synthesized cytoplasmic dynein intermediate chain 2. Biochemical and Biophysical Research Communications, 2016, 469, 126-131.	2.1	4
33	Huntingtin Polyglutamine-Dependent Protein Aggregation in Reconstituted Cells. ACS Synthetic Biology, 2018, 7, 377-383.	3.8	4
34	An in Vitro Reconstitution System Defines the Defective Step in the Biogenesis of Mutated Î²-Actin Proteins. ACS Synthetic Biology, 2021, 10, 3158-3166.	3.8	3
35	Translation efficiency affects the sequence-independent +1 ribosomal frameshifting by polyamines. Journal of Biochemistry, 2020, 168, 139-149.	1.7	2
36	Single-molecule imaging with a tagged ribosome to explore trans-translation. Journal of Biochemistry, 2012, 152, 293-295.	1.7	1