

Hiroaki Imataka

List of Publications by Year in descending order

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36
papers

1,377
citations

471509

17
h-index

361022

35
g-index

40
all docs

40
docs citations

40
times ranked

2101
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinct roles and actions of protein disulfide isomerase family enzymes in catalysis of nascent-chain disulfide bond formation. <i>Science</i> , 2021, 24, 102296.	4.1	5
2	An <i>in Vitro</i> Reconstitution System Defines the Defective Step in the Biogenesis of Mutated β -Actin Proteins. <i>ACS Synthetic Biology</i> , 2021, 10, 3158-3166.	3.8	3
3	eIF4G-driven translation initiation of downstream ORFs in mammalian cells. <i>Nucleic Acids Research</i> , 2020, 48, 10441-10455.	14.5	6
4	In vitro yeast reconstituted translation system reveals function of eIF5A for synthesis of long polypeptide. <i>Journal of Biochemistry</i> , 2020, 167, 451-462.	1.7	7
5	Translation efficiency affects the sequence-independent +1 ribosomal frameshifting by polyamines. <i>Journal of Biochemistry</i> , 2020, 168, 139-149.	1.7	2
6	Reconstitution of yeast translation elongation and termination in vitro utilizing CrPV IRES-containing mRNA. <i>Journal of Biochemistry</i> , 2020, 167, 441-450.	1.7	9
7	HCV IRES Captures an Actively Translating 80S Ribosome. <i>Molecular Cell</i> , 2019, 74, 1205-1214.e8.	9.7	42
8	The Translation Inhibitor Rocaglamide Targets a Bimolecular Cavity between eIF4A and Polypurine RNA. <i>Molecular Cell</i> , 2019, 73, 738-748.e9.	9.7	128
9	Dom34 mediates targeting of exogenous RNA in the antiviral OAS/RNase L pathway. <i>Nucleic Acids Research</i> , 2019, 47, 432-449.	14.5	67
10	Huntingtin Polyglutamine-Dependent Protein Aggregation in Reconstituted Cells. <i>ACS Synthetic Biology</i> , 2018, 7, 377-383.	3.8	4
11	Large-scale aggregation analysis of eukaryotic proteins reveals an involvement of intrinsically disordered regions in protein folding. <i>Scientific Reports</i> , 2018, 8, 678.	3.3	26
12	Dynamic interaction of poly(A)-binding protein with the ribosome. <i>Scientific Reports</i> , 2018, 8, 17435.	3.3	23
13	Palm-Sized Ag ⁺ Ion Emission Gun Operated at Room Temperature in Non-Vacuum Atmosphere. <i>Advanced Engineering Materials</i> , 2018, 20, 1800198.	3.5	7
14	H ⁺ emission under room temperature and non-vacuum atmosphere from a sol-gel-derived nanoporous emitter. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 83, 252-258.	2.4	9
15	Expression, purification, and crystallization of <i>Schizosaccharomyces pombe</i> eIF2B. <i>Journal of Structural and Functional Genomics</i> , 2016, 17, 33-38.	1.2	4
16	Identification of the T-complex protein as a binding partner for newly synthesized cytoplasmic dynein intermediate chain 2. <i>Biochemical and Biophysical Research Communications</i> , 2016, 469, 126-131.	2.1	4
17	Cell-free analysis of polyQ-dependent protein aggregation and its inhibition by chaperone proteins. <i>Journal of Biotechnology</i> , 2016, 239, 1-8.	3.8	7
18	Production methods for viral particles. <i>Biotechnology Letters</i> , 2015, 37, 753-760.	2.2	19

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19	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. <i>Journal of Biological Chemistry</i> , 2014, 289, 31960-31971.	3.4	30
20	Human Cell Extract-Derived Cell-Free Systems for Virus Synthesis. <i>Methods in Molecular Biology</i> , 2014, 1118, 149-156.	0.9	8
21	MicroRNAs Trigger Dissociation of eIF4A1 and eIF4A11 from Target mRNAs in Humans. <i>Molecular Cell</i> , 2014, 56, 79-89.	9.7	117
22	Purification and visualization of encephalomyocarditisvirus synthesized by an in vitro protein expression system derived from mammalian cell extract. <i>Biotechnology Letters</i> , 2013, 35, 309-314.	2.2	7
23	Reconstitution of eukaryotic translation initiation factor 3 by co-expression of the subunits in a human cell-derived in vitro protein synthesis system. <i>Protein Expression and Purification</i> , 2013, 87, 5-10.	1.3	12
24	Single-molecule imaging with a tagged ribosome to explore trans-translation. <i>Journal of Biochemistry</i> , 2012, 152, 293-295.	1.7	1
25	Reconstitution of the human chaperonin CCT by co-expression of the eight distinct subunits in mammalian cells. <i>Protein Expression and Purification</i> , 2012, 82, 61-69.	1.3	19
26	Synthesis of encephalomyocarditis virus in a cell-free system: from DNA to RNA virus in one tube. <i>Biotechnology Letters</i> , 2012, 34, 67-73.	2.2	14
27	Cell-free RNA replication systems based on a human cell extracts-derived in vitro translation system with the encephalomyocarditisvirus RNA. <i>Journal of Biochemistry</i> , 2011, 150, 423-430.	1.7	10
28	N-terminally truncated GADD34 proteins are convenient translation enhancers in a human cell-derived in vitro protein synthesis system. <i>Biotechnology Letters</i> , 2010, 32, 897-902.	2.2	21
29	Requirement of RNA Binding of Mammalian Eukaryotic Translation Initiation Factor 4G1 (eIF4G1) for Efficient Interaction of eIF4E with the mRNA Cap. <i>Molecular and Cellular Biology</i> , 2009, 29, 1661-1669.	2.3	100
30	The ELAV Protein HuD Stimulates Cap-Dependent Translation in a Poly(A)- and eIF4A-Dependent Manner. <i>Molecular Cell</i> , 2009, 36, 1007-1017.	9.7	90
31	A human cell-derived in vitro coupled transcription/translation system optimized for production of recombinant proteins. <i>Protein Expression and Purification</i> , 2008, 62, 190-198.	1.3	65
32	Reconstitution reveals the functional core of mammalian eIF3. <i>EMBO Journal</i> , 2007, 26, 3373-3383.	7.8	172
33	An improved cell-free system for picornavirus synthesis. <i>Journal of Virological Methods</i> , 2007, 142, 182-188.	2.1	24
34	A hybridoma-based in vitro translation system that efficiently synthesizes glycoproteins. <i>Journal of Biotechnology</i> , 2006, 127, 65-78.	3.8	58
35	An efficient mammalian cell-free translation system supplemented with translation factors. <i>Protein Expression and Purification</i> , 2006, 46, 348-357.	1.3	109
36	Dual Interactions of the Translational Repressor Paip2 with Poly(A) Binding Protein. <i>Molecular and Cellular Biology</i> , 2001, 21, 5200-5213.	2.3	148