Teru Ogura

List of Publications by Year in descending order

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125	6,682	40	78
papers	citations	h-index	g-index
129	129	129	5354
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	AAA+superfamily ATPases: common structure-diverse function. Genes To Cells, 2001, 6, 575-597.	0.5	864
2	Chromosome partitioning in Escherichia coli: novel mutants producing anucleate cells. Journal of Bacteriology, 1989, 171, 1496-1505.	1.0	373
3	Partition mechanism of F plasmid: Two plasmid gene-encoded products and a cis-acting region are involved in partition. Cell, 1983, 32, 351-360.	13.5	335
4	The Escherichia coli FtsH protein is a prokaryotic member of a protein family of putative ATPases involved in membrane functions, cell cycle control, and gene expression. Journal of Bacteriology, 1993, 175, 1344-1351.	1.0	241
5	Balanced biosynthesis of major membrane components through regulated degradation of the committed enzyme of lipid A biosynthesis by the AAA protease FtsH (HflB) in Escherichia coli. Molecular Microbiology, 1999, 31, 833-844.	1.2	234
6	Conserved arginine residues implicated in ATP hydrolysis, nucleotide-sensing, and inter-subunit interactions in AAA and AAA+ ATPases. Journal of Structural Biology, 2004, 146, 106-112.	1.3	233
7	Levels of DnaK and DnaJ provide tight control of heat shock gene expression and protein repair in Escherichia coli. Molecular Microbiology, 1998, 30, 567-581.	1.2	185
8	Dissecting the Role of a Conserved Motif (the Second Region of Homology) in the AAA Family of ATPases. Journal of Biological Chemistry, 1999, 274, 26225-26232.	1.6	179
9	Structure and function of the F plasmid genes essential for partitioning. Journal of Molecular Biology, 1986, 192, 1-15.	2.0	177
10	Topology and subcellular localization of FtsH protein in Escherichia coli. Journal of Bacteriology, 1993, 175, 1352-1357.	1.0	173
11	Recent advances in p97/VCP/Cdc48 cellular functions. Biochimica Et Biophysica Acta - Molecular Cell Research, 2012, 1823, 130-137.	1.9	165
12	RNase E polypeptides lacking a carboxyl-terminal half suppress a mukB mutation in Escherichia coli. Journal of Bacteriology, 1996, 178, 3917-3925.	1.0	140
13	The Crystal Structure of the AAA Domain of the ATP-Dependent Protease FtsH of Escherichia coli at 1.5 Ã Resolution. Structure, 2002, 10, 1073-1083.	1.6	127
14	Conserved Pore Residues in the AAA Protease FtsH Are Important for Proteolysis and Its Coupling to ATP Hydrolysis. Journal of Biological Chemistry, 2003, 278, 50182-50187.	1.6	120
15	Heat shock regulation in the ftsH null mutant of Escherichia coli: dissection of stability and activity control mechanisms of sigma32 in vivo. Molecular Microbiology, 1998, 30, 583-593.	1.2	118
16	Cloning, sequencing, and characterization of multicopy suppressors of amukBmutation inEscherichia coli. Molecular Microbiology, 1994, 13, 301-312.	1.2	105
17	Structure and function of the ftsH gene in Escherichia coli. Research in Microbiology, 1991, 142, 279-282.	1.0	100
18	Identification of the cpdA Gene Encoding Cyclic $3\hat{E}^1$, $5\hat{E}^1$ -Adenosine Monophosphate Phosphodiesterase in Escherichia coli. Journal of Biological Chemistry, 1996, 271, 25423-25429.	1.6	96

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19	Penicillin-binding protein 2 is essential in wild-type Escherichia coli but not in lov or cya mutants. Journal of Bacteriology, 1989, 171, 3025-3030.	1.0	76
20	Structures and expression of mRNAs coding for major plasma proteins of Bombyx mori. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1988, 949, 224-232.	2.4	73
21	Thioflavin T as a fluorescence probe for monitoring RNA metabolism at molecular and cellular levels. Nucleic Acids Research, 2015, 43, e92-e92.	6.5	73
22	Novel Strategy for Biofilm Inhibition by Using Small Molecules Targeting Molecular Chaperone DnaK. Antimicrobial Agents and Chemotherapy, 2015, 59, 633-641.	1.4	72
23	Autoregulation of the partition genes of the mini-F plasmid and the intracellular localization of their products in Escherichia coli. Molecular Genetics and Genomics, 1998, 257, 392-403.	2.4	69
24	Positioning of replicated chromosomes in Escherichia coli. Journal of Bacteriology, 1990, 172, 31-39.	1.0	68
25	High-Speed Atomic Force Microscopy Techniques for Observing Dynamic Biomolecular Processes. Methods in Enzymology, 2010, 475, 541-564.	0.4	66
26	Imaging of bacterial multicellular behaviour in biofilms in liquid by atmospheric scanning electron microscopy. Scientific Reports, 2016, 6, 25889.	1.6	66
27	Identification and characterization of the smbA gene, a suppressor of the mukB null mutant of Escherichia coli. Journal of Bacteriology, 1992, 174, 7517-7526.	1.0	62
28	Analysis of the two p97/VCP/Cdc48p proteins of Caenorhabditis elegans and their suppression of polyglutamine-induced protein aggregation. Journal of Structural Biology, 2004, 146, 242-250.	1.3	62
29	Escherichia coli mutant Y16 is a double mutant carrying thermosensitive ftsH and ftsI mutations. Journal of Bacteriology, 1992, 174, 2416-2417.	1.0	61
30	Dynamic assembly of protein disulfide isomerase in catalysis of oxidative folding. Nature Chemical Biology, 2019, 15, 499-509.	3.9	58
31	Introns and their flanking sequences ofBombyx morirDNA. Nucleic Acids Research, 1984, 12, 6861-6869.	6.5	53
32	Probing the mechanism of ATP hydrolysis and substrate translocation in the AAA protease FtsH by modelling and mutagenesis. Molecular Microbiology, 2001, 39, 890-903.	1.2	53
33	ER E3 ubiquitin ligase HRDâ€1 and its specific partner chaperone BiP play important roles in ERAD and developmental growth in <i>Caenorhabditis elegans</i> . Genes To Cells, 2007, 12, 1063-1073.	0.5	52
34	Inhibitory effects of Myricetin derivatives on curli-dependent biofilm formation in Escherichia coli. Scientific Reports, 2018, 8, 8452.	1.6	48
35	Involvement of DnaK protein in mini-F plasmid replication: Temperature-sensitive seg mutations are located in the dnaK gene. Molecular Genetics and Genomics, 1989, 218, 183-189.	2.4	47
36	Characterization of the ftsH gene of Bacillus subtilis. Microbiology (United Kingdom), 1997, 143, 971-978.	0.7	46

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37	Mutants defective in chromosome partitioning in E. coli. Research in Microbiology, 1991, 142, 189-194.	1.0	44
38	Roles of the Periplasmic Domain of Escherichia coliFtsH (HflB) in Protein Interactions and Activity Modulation. Journal of Biological Chemistry, 1998, 273, 22326-22333.	1.6	44
39	AAA+ Chaperone ClpX Regulates Dynamics of Prokaryotic Cytoskeletal Protein FtsZ. Journal of Biological Chemistry, 2010, 285, 6648-6657.	1.6	44
40	Mutational analysis of the functional motifs of RuvB, an AAA+ class helicase and motor protein for Holliday junction branch migration. Molecular Microbiology, 2002, 36, 528-538.	1.2	43
41	Positive Cooperativity of the p97 AAA ATPase Is Critical for Essential Functions. Journal of Biological Chemistry, 2011, 286, 15815-15820.	1.6	42
42	Maintenance of plasmids in HU and 1HF mutants of Escherichia coli. Molecular Genetics and Genomics, 1990, 220, 197-203.	2.4	41
43	High-Speed Atomic Force Microscopic Observation of ATP-Dependent Rotation of the AAA+ Chaperone p97. Structure, 2013, 21, 1992-2002.	1.6	40
44	Microtubule Severing by Katanin p60 AAA+ ATPase Requires the C-terminal Acidic Tails of Both \hat{I}_{\pm} - and \hat{I}_{\pm} -Tubulins and Basic Amino Acid Residues in the AAA+ Ring Pore. Journal of Biological Chemistry, 2015, 290, 11762-11770.	1.6	37
45	Linear multimer formation of plasmid DNA in Escherichia coli hopE (recD) mutants. Molecular Genetics and Genomics, 1990, 224, 1-9.	2.4	36
46	Multicopy suppresors, mssA and mssB, of an smbA mutation of Escherichia coli. Molecular Genetics and Genomics, 1994, 243, 9-16.	2.4	36
47	Cdc48p/p97-mediated regulation of mitochondrial morphology is Vms1p-independent. Journal of Structural Biology, 2012, 179, 112-120.	1.3	35
48	The C Terminus of Ï, 32 Is Not Essential for Degradation by FtsH. Journal of Bacteriology, 2001, 183, 5911-5917.	1.0	34
49	Allelic characterization of the leaf-variegated mutation var2 identifies the conserved amino acid residues of FtsH that are important for ATP hydrolysis and proteolysis. Plant Molecular Biology, 2004, 56, 705-716.	2.0	34
50	Chromosomal genes essential for stable maintenance of the mini-F plasmid in Escherichia coli. Journal of Bacteriology, 1988, 170, 5272-5278.	1.0	33
51	Structural and functional studies on an FtsH inhibitor from Bacillus subtilis. Biochimica Et Biophysica Acta - General Subjects, 2000, 1475, 353-359.	1.1	33
52	Evidence for an active role of the DnaK chaperone system in the degradation of $lf 32$. FEBS Letters, 2000, 478, 271-275.	1.3	33
53	p97 homologs from <i>Caenorhabditis elegans</i> , CDCâ€48.1 and CDCâ€48.2, suppress the aggregate formation of huntingtin exon1 containing expanded polyQ repeat. Genes To Cells, 2008, 13, 827-838.	0.5	33
54	Partitioning of a mini-F plasmid into anucleate cells of the mukB null mutant. Journal of Bacteriology, 1991, 173, 6643-6646.	1.0	31

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55	ATP-bound form of the D1 AAA domain inhibits an essential function of Cdc48p/p97This paper is one of a selection of papers published in this special issue entitled 8th International Conference on AAA Proteins and has undergone the Journal's usual peer review process Biochemistry and Cell Biology, 2010, 88, 109-117.	0.9	31
56	Nucleotide sequence of thetolCgene ofEscherichia coli. Nucleic Acids Research, 1990, 18, 5547-5547.	6.5	30
57	Identification and characterization of gyrB mutants of Escherichia coli that are defective in partitioning of mini-F plasmids. Journal of Bacteriology, 1990, 172, 1562-1568.	1.0	29
58	Dissecting Various ATP-Dependent Steps Involved in Proteasomal Degradation. Molecular Cell, 2003, 11 , 3 -5.	4.5	29
59	Whole-cell imaging of the budding yeast Saccharomyces cerevisiae by high-voltage scanning transmission electron tomography. Ultramicroscopy, 2014, 146, 39-45.	0.8	28
60	A defective non-LTR retrotransposon is dispersed throughout the genome of the silkworm, Bombyx mori. Chromosoma, 1994, 103, 311-323.	1.0	27
61	Caenorhabditis elegans p97/CDC-48 is crucial for progression of meiosis I. Biochemical and Biophysical Research Communications, 2007, 358, 920-924.	1.0	27
62	Nucleolus organizers in the wild silkworm Bombyx mandarina and the domesticated silkworm B. mori. Chromosoma, 1988, 96, 263-269.	1.0	25
63	An AAA protease FtsH can initiate proteolysis from internal sites of a model substrate, apo-flavodoxin. Genes To Cells, 2006, 11, 261-268.	0.5	25
64	The Highly Dynamic Nature of ERdj5 Is Key to Efficient Elimination of Aberrant Protein Oligomers through ER-Associated Degradation. Structure, 2017, 25, 846-857.e4.	1.6	25
65	Prophage \hat{l} » induction caused by mini-F plasmid genes. Molecular Genetics and Genomics, 1984, 196, 185-193.	2.4	24
66	Identification of Human Apolipoprotein E Variant Gene: Apolipoprotein E7 (Glu244,245↑Lys244,245)1. Journal of Biochemistry, 1989, 105, 51-54.	0.9	24
67	The C. elegans homologue of the spastic paraplegia protein, spastin, disassembles microtubules. Biochemical and Biophysical Research Communications, 2007, 359, 157-162.	1.0	23
68	<i>Caenorhabditis elegans</i> UBX cofactors for CDCâ€48/p97 control spermatogenesis. Genes To Cells, 2010, 15, 1201-1215.	0.5	22
69	Phosphorylation of Kif26b Promotes Its Polyubiquitination and Subsequent Proteasomal Degradation during Kidney Development. PLoS ONE, 2012, 7, e39714.	1.1	22
70	Serial block-face scanning electron microscopy for three-dimensional analysis of morphological changes in mitochondria regulated by Cdc48p/p97 ATPase. Journal of Structural Biology, 2014, 187, 187-193.	1.3	22
71	Deviation of the typical AAA substrate-threading pore prevents fatal protein degradation in yeast Cdc48. Scientific Reports, 2017, 7, 5475.	1.6	22
72	Two mutant alleles ofmukB, a gene essential for chromosome partition in Escherichia coli. FEMS Microbiology Letters, 1994, 123, 27-31.	0.7	21

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73	Characterization of mutants of the Escherichia coli AAA protease, FtsH, carrying a mutation in the central pore region. Journal of Structural Biology, 2006, 156, 109-114.	1.3	21
74	Caenorhabditis elegans p97 controls germline-specific sex determination by controlling the TRA-1 level in a CUL-2-dependent manner. Journal of Cell Science, 2009, 122, 3663-3672.	1.2	21
75	Cyclization of Single-Chain Fv Antibodies Markedly Suppressed Their Characteristic Aggregation Mediated by Inter-Chain VH-VL Interactions. Molecules, 2019, 24, 2620.	1.7	20
76	Spectrometric analysis of degradation of a physiological substrate Ïf32 by Escherichia coli AAA protease FtsH. Journal of Structural Biology, 2004, 146, 148-154.	1.3	19
77	Comparative analysis of expression of two p97 homologues in Caenorhabditis elegans. Biochemical and Biophysical Research Communications, 2006, 345, 746-753.	1.0	19
78	FtsH Protease-Mediated Regulation of Various Cellular Functions. Sub-Cellular Biochemistry, 2013, 66, 53-69.	1.0	19
79	New killing system controlled by two genes located immediately upstream of the mukB gene in Escherichia coli. Molecular Genetics and Genomics, 1994, 243, 136-147.	2.4	18
80	Carboxyl terminal region of the MukB protein in Escherichia coli is essential for DNA binding activity. FEMS Microbiology Letters, 1996, 143, 211-216.	0.7	17
81	C. elegansRBX-2-CUL-5- and RBX-1-CUL-2-based complexes are redundant for oogenesis and activation of the MAP kinase MPK-1. FEBS Letters, 2007, 581, 145-150.	1.3	17
82	Characterization of thesmtAgene encoding an S-adenosylmethionine-dependent methyltransferase of Escherichia coli. FEMS Microbiology Letters, 1995, 133, 59-63.	0.7	16
83	Second transmembrane segment of FtsH plays a role in its proteolytic activity and homo-oligomerization. FEBS Letters, 1999, 460, 554-558.	1.3	16
84	Mutational analysis of the functional motifs in the ATPase domain of Caenorhabditis elegans fidgetin homologue FIGL-1: Firm evidence for an intersubunit catalysis mechanism of ATP hydrolysis by AAA ATPases. Journal of Structural Biology, 2006, 156, 93-100.	1.3	16
85	Multitasking of Hsp70 chaperone in the biogenesis of bacterial functional amyloids. Communications Biology, $2018,1,52.$	2.0	16
86	Molecular Cloning of a Human Apolipoprotein E Variant: E5 (Glu3â†'Lys3)1. Journal of Biochemistry, 1989, 105, 491-493.	0.9	15
87	Identification of a cysteine residue important for the ATPase activity of C. elegansfidgetin homologue. FEBS Letters, 2004, 578, 191-197.	1.3	14
88	A AAA ATPase Cdc48 with a cofactor Ubx2 facilitates ubiquitylation of a mitochondrial fusion-promoting factor Fzo1 for proteasomal degradation. Journal of Biochemistry, 2020, 167, 279-286.	0.9	14
89	Mechanisms Essential for Stable Inheritance of Mini-F Plasmid. , 1985, 30, 469-487.		14
90	Conserved aromatic and basic amino acid residues in the pore region of <i>Caenorhabditis elegans</i> spastin play critical roles in microtubule severing. Genes To Cells, 2009, 14, 925-940.	0.5	13

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91	Characterization of high molecular weights of complexes and polymers of cytoplasmic proteins in Escherichia coli. Research in Microbiology, 1992, 143, 743-753.	1.0	12
92	CDC-48/p97 is required for proper meiotic chromosome segregation via controlling AIR-2/Aurora B kinase localization in Caenorhabditis elegans. Journal of Structural Biology, 2012, 179, 104-111.	1.3	12
93	Two Cdc48 cofactors Ubp3 and Ubx2 regulate mitochondrial morphology and protein turnover. Journal of Biochemistry, 2018, 164, 349-358.	0.9	12
94	From the common molecular basis of the AAA protein to various energy-dependent and -independent activities of AAA proteins. Biochemical Society Transactions, 2008, 36, 68-71.	1.6	11
95	FtsH cleavage of non-native conformations of proteins. Journal of Structural Biology, 2010, 171, 117-124.	1.3	11
96	Differential expression pattern of UBX family genes in Caenorhabditis elegans. Biochemical and Biophysical Research Communications, 2007, 358, 545-552.	1.0	9
97	fidgetin homolog FIGL-1, a nuclear-localized AAA ATPase, binds to SUMO. Journal of Structural Biology, 2012, 179, 143-151.	1.3	9
98	Production of Single-Chain Fv Antibodies Specific for GA-Pyridine, an Advanced Glycation End-Product (AGE), with Reduced Inter-Domain Motion. Molecules, 2017, 22, 1695.	1.7	9
99	Possible involvement of the ugpA gene product in the stable maintenance of mini-F plasmid in Escherichia coli. Molecular Genetics and Genomics, 1990, 223, 361-368.	2.4	8
100	Development of transgenic Caenorhabditis elegans expressing human transthyretin as a model for drug screening. Scientific Reports, 2018, 8, 17884.	1.6	8
101	Biological and Pathological Implications of an Alternative ATP-Powered Proteasomal Assembly With Cdc48 and the 20S Peptidase. Frontiers in Molecular Biosciences, 2018, 5, 56.	1.6	8
102	Crystallization of the AAA domain of the ATP-dependent protease FtsH ofEscherichia coli. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 1066-1067.	2.5	7
103	Hierarchical Model for the Role of J-Domain Proteins in Distinct Cellular Functions. Journal of Molecular Biology, 2021, 433, 166750.	2.0	7
104	A colicin-tolerantEscherichia colimutant that confers Hfl phenotype carries two mutations in the region coding for the C-terminal domain of FtsH (HflB). FEMS Microbiology Letters, 2000, 183, 115-117.	0.7	6
105	A conserved \hat{l}_{\pm} helix of Bcs1, a mitochondrial AAA chaperone, is required for the Respiratory Complex III maturation. Biochemical and Biophysical Research Communications, 2014, 443, 997-1002.	1.0	6
106	Flavodoxin, a new fluorescent substrate for monitoring proteolytic activity of FtsH lacking a robust unfolding activity. Journal of Structural Biology, 2006, 156, 115-119.	1.3	5
107	Involvement of HMG-12 and CAR-1 in the cdc-48.1 expression of Caenorhabditis elegans. Developmental Biology, 2008, 318, 348-359.	0.9	5
108	Characterization of C-terminal adaptors, UFD-2 and UFD-3, of CDC-48 on the polyglutamine aggregation in C.Âelegans. Biochemical and Biophysical Research Communications, 2015, 459, 154-160.	1.0	5

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109	Distinct roles and actions of protein disulfide isomerase family enzymes in catalysis of nascent-chain disulfide bond formation. IScience, 2021, 24, 102296.	1.9	5
110	Expression, Functional Characterization, and Preliminary Crystallization of the Cochaperone Prefoldin from the Thermophilic Fungus Chaetomium thermophilum. International Journal of Molecular Sciences, 2018, 19, 2452.	1.8	4
111	FtsH Protease. , 2013, , 685-692.		3
112	The Cdc48-20S proteasome degrades a class of endogenous proteins in a ubiquitin-independent manner. Biochemical and Biophysical Research Communications, 2020, 523, 835-840.	1.0	3
113	FtsH protease. , 2004, , 794-798.		3
114	A newly isolated Pex7-binding, atypical PTS2 protein P7BP2 is a novel dynein-type AAA+ protein. Journal of Biochemistry, 2018, 164, 437-447.	0.9	2
115	Split conformation of Chaetomium thermophilum Hsp104 disaggregase. Structure, 2021, 29, 721-730.e6.	1.6	2
116	The high molecular weight DNA prepared from the posterior silk gland of Bombyx mori by use of "Freezer-Mill" Japanese Journal of Applied Entomology and Zoology, 1985, 29, 83-85.	0.5	1
117	The complete cDNA sequence for the premature form of growth hormone of the flounderParalichthys olivaceus. Nucleic Acids Research, 1989, 17, 3977-3977.	6.5	1
118	The C-terminal \hat{l}_{\pm} -helix of SPAS-1, a Caenorhabditis elegans spastin homologue, is crucial for microtubule severing. Journal of Structural Biology, 2012, 179, 138-142.	1.3	1
119	Editorial. Journal of Structural Biology, 2012, 179, 77.	1.3	1
120	Carboxyl terminal region of the MukB protein in Escherichia coli is essential for DNA binding activity. FEMS Microbiology Letters, 1996, 143, 211-216.	0.7	1
121	Characterization of translucent segments observed in ansmbAmutant ofEscherichia coli. FEMS Microbiology Letters, 1994, 116, 61-66.	0.7	0
122	3P-254 Direct observation of structural changes in p97 during the ATPase cycle using High-speed AFM(Bioimaging,The 47th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2009, 49, S193.	0.0	0
123	Functional characterization of UBXN-6, a C-terminal cofactor of CDC-48, in C.Âelegans. Biochemical and Biophysical Research Communications, 2019, 509, 462-468.	1.0	0
124	The AAA ATPase: Structure and Mechanisms of Remodeling of Protein Substrates. Seibutsu Butsuri, 2003, 43, 244-247.	0.0	0
125	Regulation of the Heat Shock Response by the DnaK Chaperone System and the FtsH Protease in E. coli Seibutsu Butsuri, 1999, 39, 295-300.	0.0	0