

Koichi Ito

List of Publications by Year in descending order

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43
papers

1,612
citations

394390

19
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330122

37
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45
all docs

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docs citations

45
times ranked

1811
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutagenesis Analysis of GMN Motif in <i>Arabidopsis thaliana</i> Mg ²⁺ Transporter MRS2-1. <i>Bioscience, Biotechnology and Biochemistry</i> , 2022, , .	1.3	1
2	The structure of MgtE in the absence of magnesium provides new insights into channel gating. <i>PLoS Biology</i> , 2021, 19, e3001231.	5.6	8
3	Rapid manipulation of mitochondrial morphology in a living cell with iCMM. <i>Cell Reports Methods</i> , 2021, 1, 100052.	2.9	10
4	Dietary lysine restriction induces lipid accumulation in skeletal muscle through an increase in serum threonine levels in rats. <i>Journal of Biological Chemistry</i> , 2021, 297, 101179.	3.4	8
5	Artificial Protein-Responsive Riboswitches Upregulate Non-AUG Translation Initiation in Yeast. <i>ACS Synthetic Biology</i> , 2020, 9, 1623-1631.	3.8	5
6	Alteration of serum amino acid profiles by dietary adenine supplementation inhibits fatty liver development in rats. <i>Scientific Reports</i> , 2020, 10, 22110.	3.3	4
7	Crystal structure of plant vacuolar iron transporter VIT1. <i>Nature Plants</i> , 2019, 5, 308-315.	9.3	51
8	Misdecoding of rare CGA codon by translation termination factors, eRF1/eRF3, suggests novel class of ribosome rescue pathway in <i>S. cerevisiae</i> . <i>FEBS Journal</i> , 2019, 286, 788-802.	4.7	9
9	Tight interaction of eEF2 in the presence of Stm1 on ribosome. <i>Journal of Biochemistry</i> , 2018, 163, 177-185.	1.7	16
10	Functional roles of Mg ²⁺ binding sites in ion-dependent gating of a Mg ²⁺ channel, MgtE, revealed by solution NMR. <i>ELife</i> , 2018, 7, .	6.0	10
11	ATP-dependent modulation of MgtE in Mg ²⁺ homeostasis. <i>Nature Communications</i> , 2017, 8, 148.	12.8	54
12	Structural basis for xenobiotic extrusion by eukaryotic MATE transporter. <i>Nature Communications</i> , 2017, 8, 1633.	12.8	69
13	Phosphatidylinositol 3-Kinase-Associated Protein (PI3KAP)/XB130 Crosslinks Actin Filaments through Its Actin Binding and Multimerization Properties In Vitro and Enhances Endocytosis in HEK293 Cells. <i>Frontiers in Endocrinology</i> , 2016, 7, 89.	3.5	7
14	Crystal structures of the TRIC trimeric intracellular cation channel orthologues. <i>Cell Research</i> , 2016, 26, 1288-1301.	12.0	21
15	Mutations in the G-domain of Ski7 cause specific dysfunction in non-stop decay. <i>Scientific Reports</i> , 2016, 6, 29295.	3.3	17
16	Structural basis for amino acid export by DMT superfamily transporter YddG. <i>Nature</i> , 2016, 534, 417-420.	27.8	60
17	Inhibiting K63 Polyubiquitination Abolishes No-Go Type Stalled Translation Surveillance in <i>Saccharomyces cerevisiae</i> . <i>PLoS Genetics</i> , 2015, 11, e1005197.	3.5	58
18	Genetic analysis of L123 of the tRNA-mimicking eukaryote release factor eRF1, an amino acid residue critical for discrimination of stop codons. <i>Nucleic Acids Research</i> , 2015, 43, 4591-4601.	14.5	6

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19	Structural basis for dynamic mechanism of nitrate/nitrite antiport by NarK. Nature Communications, 2015, 6, 7097.	12.8	50
20	Outward- and inward-facing structures of a putative bacterial transition-metal transporter with homology to ferroportin. Nature Communications, 2015, 6, 8545.	12.8	103
21	A genetic approach for analyzing the co-operative function of the tRNA mimicry complex, eRF1/eRF3, in translation termination on the ribosome. Nucleic Acids Research, 2014, 42, 7851-7866.	14.5	10
22	1P173 Functional analysis of the C-terminus region of SmpB in trans-translation by single-molecule imaging(Molecular motor,The 48th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsurei, 2010, 50, S49-S50.	0.1	0
23	Mg ²⁺ -dependent gating of bacterial MgtE channel underlies Mg ²⁺ homeostasis. EMBO Journal, 2009, 28, 3602-3612.	7.8	94
24	1P-042 Structure and Mechanism of the MgtE Mg ²⁺ transporter(The 46th Annual Meeting of the) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.1	0
25	3P316 Discovery of the branched pathway in translation termination.(Bioimaging. The genesis of life,) Tj ETQq1 1 0,784314 rgBT /Over	0.1	0
26	Omnipotent decoding potential resides in eukaryotic translation termination factor eRF1 of variant-code organisms and is modulated by the interactions of amino acid sequences within domain 1. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 8494-8499.	7.1	77
27	Elongation Factor G Participates in Ribosome Disassembly by Interacting with Ribosome Recycling Factor at Their tRNA-Mimicry Domains. Molecular Cell, 2002, 9, 1263-1272.	9.7	47
28	Functional mapping of ribosome-contact sites in the ribosome recycling factor: A structural view from a tRNA mimic. Rna, 2001, 7, 64-70.	3.5	21
29	Sequential-replenishment mechanism of exocytosis in pancreatic acini. Nature Cell Biology, 2001, 3, 253-258.	10.3	166
30	A tripeptide ϵ -anticodon TM deciphers stop codons in messenger RNA. Nature, 2000, 403, 680-684.	27.8	253
31	Crystal structure combined with genetic analysis of the Thermus thermophilus ribosome recycling factor shows that a flexible hinge may act as a functional switch. Rna, 2000, 6, 1432-1444.	3.5	70
32	Amber (UAG) suppressors affected in UGA/UAA-specific polypeptide release factor 2 of bacteria: genetic prediction of initial binding to ribosome preceding stop codon recognition. Genes To Cells, 1999, 4, 253-266.	1.2	15
33	Amber mutations in ribosome recycling factors of Escherichia coli and Thermus thermophilus: evidence for C-terminal modulator element. FEBS Letters, 1999, 447, 297-302.	2.8	29
34	Polypeptide release factor eRF1 from Tetrahymena thermophila: cDNA cloning, purification and complex formation with yeast eRF3. FEBS Letters, 1999, 457, 483-488.	2.8	21
35	How protein reads the stop codon and terminates translation. Genes To Cells, 1998, 3, 265-278.	1.2	75
36	The stretch of C-terminal acidic amino acids of translational release factor eRF1 is a primary binding site for eRF3 of fission yeast. Rna, 1998, 4, 958-972.	3.5	102

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37	Cytoplasmic Ca ²⁺ gradients evoked by acetylcholine and peptides in pancreatic acinar cells of the guinea-pig. <i>Pflugers Archiv European Journal of Physiology</i> , 1997, 433, 397-402.	2.8	9
38	Regulation of Irp gene expression by H-NS and Lrp proteins in <i>Escherichia coli</i> : dominant negative mutations in Irp. <i>Molecular Genetics and Genomics</i> , 1995, 247, 521-528.	2.4	23
39	A transcription terminator signal necessary for plasmid ColIb-P9 replication. <i>Molecular Microbiology</i> , 1995, 17, 291-301.	2.5	12
40	Pleiotropic effects of the rpoC10 mutation affecting the RNA polymerase σ ' subunit of <i>Escherichia coli</i> on factor-dependent transcription termination and antitermination. <i>Molecular Microbiology</i> , 1993, 9, 285-293.	2.5	5
41	Control and function of lysyl-tRNA synthetases: diversity and co-ordination. <i>Molecular Microbiology</i> , 1993, 10, 225-231.	2.5	11
42	Genetic Probes to Bacterial Release Factors: tRNA Mimicry Hypothesis and Beyond. , 0, , 519-526.		5
43	Human <i>ABCE1</i> exhibits temperature-dependent heterologous co-functionality in <i>S. cerevisiae</i> . <i>FEBS Open Bio</i> , 0, , .	2.3	0