Yuzuru Itoh

List of Publications by Year
in descending order

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Version: 2024-02-01

24	1,118	567281 15	677142 22
papers	citations	h-index	g-index

26	26	26	1519
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Decameric SelAâ€¢tRNA ^{Sec} Ring Structure Reveals Mechanism of Bacterial Selenocysteine Formation. Science, 2013, 340, 75-78.	12.6	302
2	Essential role of PACSIN2/syndapin-II in caveolae membrane sculpting. Journal of Cell Science, 2011, 124, 2032-2040.	2.0	131
3	TRPV4 channel activity is modulated by direct interaction of the ankyrin domain to PI(4,5)P2. Nature Communications, 2014, 5, 4994.	12.8	97
4	Mechanism of membrane-tethered mitochondrial protein synthesis. Science, 2021, 371, 846-849.	12.6	76
5	Crystal structure of human selenocysteine tRNA. Nucleic Acids Research, 2009, 37, 6259-6268.	14.5	64
6	Structural Basis for the Major Role of O-Phosphoseryl-tRNA Kinase in the UGA-Specific Encoding of Selenocysteine. Molecular Cell, 2010, 39, 410-420.	9.7	48
7	Distinct pre-initiation steps in human mitochondrial translation. Nature Communications, 2020, 11, 2932.	12.8	45
8	Structure of Selenophosphate Synthetase Essential for Selenium Incorporation into Proteins and RNAs. Journal of Molecular Biology, 2009, 385, 1456-1469.	4.2	39
9	Protein kinase C (PKC)-mediated phosphorylation of PACSIN2 triggers the removal of caveolae from the plasma membrane. Journal of Cell Science, 2015, 128, 2766-80.	2.0	39
10	Tertiary structure of bacterial selenocysteine tRNA. Nucleic Acids Research, 2013, 41, 6729-6738.	14.5	35
11	Analysis of translating mitoribosome reveals functional characteristics of translation in mitochondria of fungi. Nature Communications, 2020, 11, 5187.	12.8	34
12	Mechanism of mitoribosomal small subunit biogenesis and preinitiation. Nature, 2022, 606, 603-608.	27.8	32
13	Phagocytosis is mediated by two-dimensional assemblies of the F-BAR protein GAS7. Nature Communications, 2019, 10, 4763.	12.8	31
14	Crystallographic and mutational studies of seryl-tRNA synthetase from the archaeonPyrococcus horikoshii. RNA Biology, 2008, 5, 169-177.	3.1	28
15	Binding of eIF3 in complex with eIF5 and eIF1 to the 40S ribosomal subunit is accompanied by dramatic structural changes. Nucleic Acids Research, 2019, 47, 8282-8300.	14.5	20
16	Crystal structure of the full-length bacterial selenocysteine-specific elongation factor SelB. Nucleic Acids Research, 2015, 43, 9028-9038.	14.5	19
17	Structure-based mechanism for activation of the AAA+ GTPase McrB by the endonuclease McrC. Nature Communications, 2019, 10, 3058.	12.8	19
18	Dimerâ€“Dimer Interaction of the Bacterial Selenocysteine Synthase SelA Promotes Functional Active-Site Formation and Catalytic Specificity. Journal of Molecular Biology, 2014, 426, 1723-1735.	4.2	17

#	Article	IF	Citations
19	Crystal Structure of Methanocaldococcus jannaschii Trm4 Complexed with Sinefungin. Journal of Molecular Biology, 2010, 401, 323-333.	4.2	14
20	Yeast Ivy1p Is a Putative I-BAR-domain Protein with pH-sensitive Filament Forming Ability <i>in vitro</i>. Cell Structure and Function, 2016, 41, 1-11.	1.1	12
21	Crystallization and preliminary X-ray crystallographic analysis ofAquifex aeolicusSelA, a bacterial selenocysteine synthase. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 1128-1133.	0.7	3
22	Crystallization and preliminary X-ray crystallographic analysis of bacterial tRNA^{Sec}in complex with seryl-tRNA synthetase. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 678-682.	0.7	2
23	TRPV4 Channel Activity Is Modulated by Direct Interaction of the Ankyrin Domain to PI(4,5)P₂. Seibutsu Butsuri, 2015, 55, 262-265.	0.1	0
24	The Molecular Mechanism of the Synthesis of the 21st Amino Acid, Selenocysteine. Nihon Kessho Gakkaishi, 2014, 56, 186-193.	0.0	0