

Taku Kaituka

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

839
citations

516710

16
h-index

526287

27
g-index

37
all docs

37
docs citations

37
times ranked

1380
citing authors

#	ARTICLE	IF	CITATIONS
1	Reactive sulfur species regulate tRNA methylthiolation and contribute to insulin secretion. <i>Nucleic Acids Research</i> , 2017, 45, 435-445.	14.5	99
2	Cdk5rap1-Mediated 2-Methylthio Modification of Mitochondrial tRNAs Governs Protein Translation and Contributes to Myopathy in Mice and Humans. <i>Cell Metabolism</i> , 2015, 21, 428-442.	16.2	95
3	Defective Mitochondrial tRNA Taurine Modification Activates Global Proteostress and Leads to Mitochondrial Disease. <i>Cell Reports</i> , 2018, 22, 482-496.	6.4	84
4	Inactivation of TRPM7 kinase activity does not impair its channel function in mice. <i>Scientific Reports</i> , 2014, 4, 5718.	3.3	59
5	Oxytocin Protects against Stress-Induced Cell Death in Murine Pancreatic Î²-Cells. <i>Scientific Reports</i> , 2016, 6, 25185.	3.3	41
6	Identification of a splicing variant that regulates type 2 diabetes risk factor CDKAL1 level by a coding-independent mechanism in human. <i>Human Molecular Genetics</i> , 2014, 23, 4639-4650.	2.9	40
7	Tctexâ€1 controls ciliary resorption by regulating branched actin polymerization and endocytosis. <i>EMBO Reports</i> , 2017, 18, 1460-1472.	4.5	40
8	Inactivation of TRPM7 kinase in mice results in enlarged spleens, reduced T-cell proliferation and diminished store-operated calcium entry. <i>Scientific Reports</i> , 2018, 8, 3023.	3.3	40
9	High Oxygen Condition Facilitates the Differentiation of Mouse and Human Pluripotent Stem Cells into Pancreatic Progenitors and Insulin-producing Cells. <i>Journal of Biological Chemistry</i> , 2014, 289, 9623-9638.	3.4	36
10	Transformation of eEF1BÎ´ into heatâ€shock response transcription factor by alternative splicing. <i>EMBO Reports</i> , 2011, 12, 673-681.	4.5	35
11	Cell-Penetrating Peptide as a Means of Directing the Differentiation of Induced-Pluripotent Stem Cells. <i>International Journal of Molecular Sciences</i> , 2015, 16, 26667-26676.	4.1	28
12	Mtu1-Mediated Thiouridine Formation of Mitochondrial tRNAs Is Required for Mitochondrial Translation and Is Involved in Reversible Infantile Liver Injury. <i>PLoS Genetics</i> , 2016, 12, e1006355.	3.5	28
13	Generation of Functional Insulin-Producing Cells From Mouse Embryonic Stem Cells Through 804G Cell-Derived Extracellular Matrix and Protein Transduction of Transcription Factors. <i>Stem Cells Translational Medicine</i> , 2014, 3, 114-127.	3.3	24
14	Detection of SARS-CoV-2 by antigen ELISA test is highly swayed by viral load and sample storage condition. <i>Expert Review of Anti-Infective Therapy</i> , 2022, 20, 473-481.	4.4	20
15	Regulation of Translation Factor EEF1D Gene Function by Alternative Splicing. <i>International Journal of Molecular Sciences</i> , 2015, 16, 3970-3979.	4.1	16
16	Protein transduction therapy into cochleae via the round window niche in guinea pigs. <i>Molecular Therapy - Methods and Clinical Development</i> , 2016, 3, 16055.	4.1	16
17	AuNP Coupled Rapid Flow-Through Dot-Blot Immuno-Assay for Enhanced Detection of SARS-CoV-2 Specific Nucleocapsid and Receptor Binding Domain IgG. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 4739-4753.	6.7	13
18	Antibody response to the first dose of AZD1222 vaccine in COVID-19 convalescent and uninfected individuals in Bangladesh. <i>Expert Review of Vaccines</i> , 2021, 20, 1651-1660.	4.4	13

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19	Intranasal Drug Delivery into Mouse Nasal Mucosa and Brain Utilizing Arginine-Rich Cell-Penetrating Peptide-Mediated Protein Transduction. <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 1643-1650.	1.9	11
20	SIRT2 inhibition activates hypoxia-inducible factor 1 α signaling and mediates neuronal survival. <i>Biochemical and Biophysical Research Communications</i> , 2020, 529, 957-962.	2.1	11
21	Cooperative methylation of human tRNA ^{Lys} at positions A58 and U54 drives the early and late steps of HIV-1 replication. <i>Nucleic Acids Research</i> , 2021, 49, 11855-11867.	14.5	11
22	Deletion of Long Isoform of Eukaryotic Elongation Factor 1B β Leads to Audiogenic Seizures and Aversive Stimulus-Induced Long-Lasting Activity Suppression in Mice. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 358.	2.9	10
23	Response of Pluripotent Stem Cells to Environmental Stress and Its Application for Directed Differentiation. <i>Biology</i> , 2021, 10, 84.	2.8	10
24	Response to Stimulations Inducing Circadian Rhythm in Human Induced Pluripotent Stem Cells. <i>Cells</i> , 2020, 9, 620.	4.1	9
25	Movements of Ancient Human Endogenous Retroviruses Detected in SOX2-Expressing Cells. <i>Journal of Virology</i> , 2022, 96, e0035622.	3.4	9
26	Regulation of Hypoxic Signaling and Oxidative Stress via the MicroRNA α -SIRT2 Axis and Its Relationship with Aging-Related Diseases. <i>Cells</i> , 2021, 10, 3316.	4.1	8
27	HDAC9 regulates the alternative lengthening of telomere (ALT) pathway via the formation of ALT-associated PML bodies. <i>Biochemical and Biophysical Research Communications</i> , 2016, 481, 25-30.	2.1	7
28	Erythropoietin facilitates definitive endodermal differentiation of mouse embryonic stem cells via activation of ERK signaling. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 312, C573-C582.	4.6	6
29	Phagocytic activity of splenic macrophages is enhanced and accompanied by cytosolic alkalinization in TRPM7 kinase α dead mice. <i>FEBS Journal</i> , 2021, 288, 3585-3601.	4.7	6
30	TRPM7 channel activity in Jurkat T lymphocytes during magnesium depletion and loading: implications for divalent metal entry and cytotoxicity. <i>Pflügers Archiv European Journal of Physiology</i> , 2020, 472, 1589-1606.	2.8	5
31	Prenatal Exposure to a Low Dose of 4-Hydroxy-2', 3, 3', 4', 5'-Pentachlorobiphenyl Increases Emotional Behaviors in Mice. <i>Journal of Health Science</i> , 2005, 51, 488-491.	0.9	4
32	A culture substratum with net-like polyamide fibers promotes the differentiation of mouse and human pluripotent stem cells to insulin-producing cells. <i>Biomedical Materials (Bristol)</i> , 2019, 14, 045019.	3.3	3
33	Mutation of the key residue for extraribosomal function of ribosomal protein S19 cause increased grooming behaviors in mice. <i>Neuroscience Letters</i> , 2016, 629, 221-226.	2.1	2
34	Heat Shock-Induced Dephosphorylation of Eukaryotic Elongation Factor 1B β by Protein Phosphatase 1. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 598578.	3.5	0
35	Generation of Functional Insulin-Producing Cells from Mouse Embryonic Stem Cells Through Protein of Transcription Factors. <i>Methods in Molecular Biology</i> , 2021, 2211, 85-96.	0.9	0