

Yukio Kawahara

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

3,474
citations

257450

24
h-index

330143

37
g-index

38
all docs

38
docs citations

38
times ranked

4405
citing authors

#	ARTICLE	IF	CITATIONS
1	Redirection of Silencing Targets by Adenosine-to-Inosine Editing of miRNAs. <i>Science</i> , 2007, 315, 1137-1140.	12.6	722
2	RNA editing and death of motor neurons. <i>Nature</i> , 2004, 427, 801-801.	27.8	479
3	TDP-43 promotes microRNA biogenesis as a component of the Drosha and Dicer complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 3347-3352.	7.1	366
4	RNA editing of the microRNA-151 precursor blocks cleavage by the Dicer-TRBP complex. <i>EMBO Reports</i> , 2007, 8, 763-769.	4.5	350
5	Frequency and fate of microRNA editing in human brain. <i>Nucleic Acids Research</i> , 2008, 36, 5270-5280.	14.5	298
6	Direct Binding of Ataxin-2 to Distinct Elements in 3' UTRs Promotes mRNA Stability and Protein Expression. <i>Molecular Cell</i> , 2014, 55, 186-198.	9.7	124
7	Aryl hydrocarbon receptor-mediated induction of the microRNA-132/212 cluster promotes interleukin-17-producing T-helper cell differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11964-11969.	7.1	115
8	Human spinal motoneurons express low relative abundance of GluR2 mRNA: an implication for excitotoxicity in ALS. <i>Journal of Neurochemistry</i> , 2003, 85, 680-689.	3.9	111
9	Dysregulated Editing of Serotonin 2C Receptor mRNAs Results in Energy Dissipation and Loss of Fat Mass. <i>Journal of Neuroscience</i> , 2008, 28, 12834-12844.	3.6	103
10	The cleavage pattern of TDP-43 determines its rate of clearance and cytotoxicity. <i>Nature Communications</i> , 2015, 6, 6183.	12.8	85
11	Low editing efficiency of GluR2 mRNA is associated with a low relative abundance of ADAR2 mRNA in white matter of normal human brain. <i>European Journal of Neuroscience</i> , 2003, 18, 23-33.	2.6	65
12	Underediting of GluR2 mRNA, a neuronal death inducing molecular change in sporadic ALS, does not occur in motor neurons in ALS1 or SBMA. <i>Neuroscience Research</i> , 2006, 54, 11-14.	1.9	59
13	Mutations in the adenosine deaminase ADAR1 that prevent endogenous Z-RNA binding induce Aicardi-Goutières-syndrome-like encephalopathy. <i>Immunity</i> , 2021, 54, 1976-1988.e7.	14.3	56
14	Functional relevance of serotonin 2C receptor mRNA editing in antidepressant- and anxiety-like behaviors. <i>Neuropharmacology</i> , 2010, 59, 468-473.	4.1	50
15	ADAR1-mediated RNA editing is required for thymic self-tolerance and inhibition of autoimmunity. <i>EMBO Reports</i> , 2018, 19, .	4.5	47
16	RNA editing at a limited number of sites is sufficient to prevent MDA5 activation in the mouse brain. <i>PLoS Genetics</i> , 2021, 17, e1009516.	3.5	42
17	Regulation of glutamate receptor RNA editing and ADAR mRNA expression in developing human normal and Down's syndrome brains. <i>Developmental Brain Research</i> , 2004, 148, 151-155.	1.7	38
18	Matrin3 binds directly to intronic pyrimidine-rich sequences and controls alternative splicing. <i>Genes To Cells</i> , 2017, 22, 785-798.	1.2	38

#	ARTICLE	IF	CITATIONS
19	A comparative analysis of ADAR mutant mice reveals site-specific regulation of RNA editing. <i>Rna</i> , 2020, 26, 454-469.	3.5	38
20	Novel splice variants of human ADAR2 mRNA: Skipping of the exon encoding the dsRNA-binding domains, and multiple C-terminal splice sites. <i>Gene</i> , 2005, 363, 193-201.	2.2	37
21	Human diseases caused by germline and somatic abnormalities in microRNA and microRNA-related genes. <i>Congenital Anomalies (discontinued)</i> , 2014, 54, 12-21.	0.6	36
22	CAPS1 RNA Editing Promotes Dense Core Vesicle Exocytosis. <i>Cell Reports</i> , 2016, 17, 2004-2014.	6.4	33
23	Adenosine-to-inosine RNA editing in the immune system: friend or foe?. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 2931-2948.	5.4	31
24	Quantification of adenosine-to-inosine editing of microRNAs using a conventional method. <i>Nature Protocols</i> , 2012, 7, 1426-1437.	12.0	27
25	Age-dependent decline in remyelination capacity is mediated by apelin-APJ signaling. <i>Nature Aging</i> , 2021, 1, 284-294.	11.6	18
26	ADAR1 Regulates Early T Cell Development via MDA5-Dependent and -Independent Pathways. <i>Journal of Immunology</i> , 2020, 204, 2156-2168.	0.8	17
27	GluR4c, an alternative splicing isoform of GluR4, is abundantly expressed in the adult human brain. <i>Molecular Brain Research</i> , 2004, 127, 150-155.	2.3	16
28	RNA Editing in Neurological and Neurodegenerative Disorders. <i>Methods in Molecular Biology</i> , 2021, 2181, 309-330.	0.9	16
29	Deciphering the Biological Significance of ADAR1-Z-RNA Interactions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11435.	4.1	15
30	The RNA-binding protein MARF1 promotes cortical neurogenesis through its RNase activity domain. <i>Scientific Reports</i> , 2017, 7, 1155.	3.3	11
31	An Aicardi-Goutières Syndrome-Causative Point Mutation in <i>Adar1</i> Gene Invokes Multiorgan Inflammation and Late-Onset Encephalopathy in Mice. <i>Journal of Immunology</i> , 2021, 207, 3016-3027.	0.8	11
32	RNA editing independently occurs at three mir-376a-1 sites and may compromise the stability of the microRNA hairpin. <i>Gene</i> , 2017, 628, 109-116.	2.2	4
33	Dimethylarginine dimethylaminohydrolase 1 as a novel regulator of oligodendrocyte differentiation in the central nervous system remyelination. <i>Glia</i> , 2021, 69, 2591-2604.	4.9	4
34	Myotube-derived factor promotes oligodendrocyte precursor cell proliferation. <i>Biochemical and Biophysical Research Communications</i> , 2018, 500, 609-613.	2.1	3
35	Bivartect: accurate and memory-saving breakpoint detection by direct read comparison. <i>Bioinformatics</i> , 2020, 36, 2725-2730.	4.1	3
36	Quantification of methylation efficiency at a specific N6-methyladenosine position in rRNA by using BNA probes. <i>Chemical Communications</i> , 2018, 54, 9627-9630.	4.1	2