

# Tomoko Kawai

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

2,965  
citations

218381

26  
h-index

168136

53  
g-index

72  
all docs

72  
docs citations

72  
times ranked

4508  
citing authors

#	ARTICLE	IF	CITATIONS
1	Concurrent versus individual binding of HuR and AUF1 to common labile target mRNAs. <i>EMBO Journal</i> , 2004, 23, 3092-3102.	3.5	438
2	Impaired Insulin Signaling in Endothelial Cells Reduces Insulin-Induced Glucose Uptake by Skeletal Muscle. <i>Cell Metabolism</i> , 2011, 13, 294-307.	7.2	362
3	Translational Control of Cytochrome c by RNA-Binding Proteins TIA-1 and HuR. <i>Molecular and Cellular Biology</i> , 2006, 26, 3295-3307.	1.1	177
4	Antiapoptotic function of RNA-binding protein HuR effected through prothymosin $\hat{\pm}$ . <i>EMBO Journal</i> , 2005, 24, 1852-1862.	3.5	159
5	Translational Repression by RNA-Binding Protein TIAR. <i>Molecular and Cellular Biology</i> , 2006, 26, 2716-2727.	1.1	138
6	AMP-activated Protein Kinase-regulated Phosphorylation and Acetylation of Importin $\hat{\pm}$ 1. <i>Journal of Biological Chemistry</i> , 2004, 279, 48376-48388.	1.6	117
7	Posttranscriptional Derepression of GADD45 $\hat{\pm}$ by Genotoxic Stress. <i>Molecular Cell</i> , 2006, 22, 117-128.	4.5	89
8	Enhanced Proliferation of Cultured Human Vascular Smooth Muscle Cells Linked to Increased Function of RNA-binding Protein HuR. <i>Journal of Biological Chemistry</i> , 2005, 280, 22819-22826.	1.6	79
9	Global mRNA Stabilization Preferentially Linked to Translational Repression during the Endoplasmic Reticulum Stress Response. <i>Molecular and Cellular Biology</i> , 2004, 24, 6773-6787.	1.1	76
10	Autism-Associated Gene Expression in Peripheral Leucocytes Commonly Observed between Subjects with Autism and Healthy Women Having Autistic Children. <i>PLoS ONE</i> , 2011, 6, e24723.	1.1	72
11	Evidence for cancer-associated expression of NADPH oxidase 1 (Nox1)-based oxidase system in the human stomach. <i>Free Radical Biology and Medicine</i> , 2007, 43, 1627-1638.	1.3	67
12	Interleukin 10 inhibits interferon $\hat{\beta}$ - and tumor necrosis factor $\hat{\pm}$ -stimulated activation of NADPH oxidase 1 in human colonic epithelial cells and the mouse colon. <i>Journal of Gastroenterology</i> , 2009, 44, 1172-1184.	2.3	58
13	Tumor necrosis factor $\hat{\pm}$ activates transcription of the NADPH oxidase organizer 1 (NOXO1) gene and upregulates superoxide production in colon epithelial cells. <i>Free Radical Biology and Medicine</i> , 2008, 45, 1642-1652.	1.3	57
14	Changes in behavior and gene expression induced by caloric restriction in C57BL/6 mice. <i>Physiological Genomics</i> , 2009, 39, 227-235.	1.0	56
15	Bezafibrate, a Peroxisome Proliferator-Activated Receptors Agonist, Decreases Body Temperature and Enhances Electroencephalogram Delta-Oscillation during Sleep in Mice. <i>Endocrinology</i> , 2008, 149, 5262-5271.	1.4	55
16	Identification of Marker Genes for Differential Diagnosis of Chronic Fatigue Syndrome. <i>Molecular Medicine</i> , 2008, 14, 599-607.	1.9	54
17	Clonal Expansion of Second-Hit Cells with Somatic Recombinations or C&gt;T Transitions Form Porokeratosis in MVD or MVK Mutant Heterozygotes. <i>Journal of Investigative Dermatology</i> , 2019, 139, 2458-2466.e9.	0.3	49
18	Receptor activator of nuclear factor- $\hat{\rho}$ B ligand-induced mouse osteoclast differentiation is associated with switching between NADPH oxidase homologues. <i>Free Radical Biology and Medicine</i> , 2009, 47, 189-199.	1.3	47

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19	Daily intake of <i>Lactobacillus gasseri</i> CP2305 improves mental, physical, and sleep quality among Japanese medical students enrolled in a cadaver dissection course. <i>Journal of Functional Foods</i> , 2017, 31, 188-197.	1.6	46
20	DNA methylation analysis of human myoblasts during in vitro myogenic differentiation: de novo methylation of promoters of muscle-related genes and its involvement in transcriptional down-regulation. <i>Human Molecular Genetics</i> , 2015, 24, 410-423.	1.4	44
21	Geranylgeranylacetone stimulates mucin synthesis in cultured guinea pig gastric pit cells by inducing a neuronal nitric oxide synthase. <i>Journal of Gastroenterology</i> , 2000, 35, 673-681.	2.3	41
22	Gene expression signature in peripheral blood cells from medical students exposed to chronic psychological stress. <i>Biological Psychology</i> , 2007, 76, 147-155.	1.1	37
23	Oxidative stress-induced alternative splicing of <i>transformer 2</i> ( <i>SFRS10</i> ) and <i>CD44</i> pre-mRNAs in gastric epithelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 297, C330-C338.	2.1	35
24	Increased epigenetic alterations at the promoters of transcriptional regulators following inadequate maternal gestational weight gain. <i>Scientific Reports</i> , 2015, 5, 14224.	1.6	32
25	Circulating vascular endothelial growth factor is independently and negatively associated with trait anxiety and depressive mood in healthy Japanese university students. <i>International Journal of Psychophysiology</i> , 2011, 81, 38-43.	0.5	30
26	Integrated multiomics analysis of hepatoblastoma unravels its heterogeneity and provides novel druggable targets. <i>Npj Precision Oncology</i> , 2020, 4, 20.	2.3	30
27	Glutathione depletion inhibits oxidant-induced activation of nuclear factor-kappa B, AP-1, and c-Jun/ATF-2 in cultured guinea-pig gastric epithelial cells. <i>Journal of Gastroenterology</i> , 1998, 33, 646-655.	2.3	28
28	Identification of G-quadruplex clusters by high-throughput sequencing of whole-genome amplified products with a G-quadruplex ligand. <i>Scientific Reports</i> , 2018, 8, 3116.	1.6	28
29	Gene expression signatures in peripheral blood cells from Japanese women exposed to environmental cadmium. <i>Toxicology</i> , 2009, 257, 25-32.	2.0	26
30	Integrated Molecular Characterization of the Lethal Pediatric Cancer Pancreatoblastoma. <i>Cancer Research</i> , 2018, 78, 865-876.	0.4	25
31	Epitranscriptomic profiling in human placenta: N6-methyladenosine modification at the 5' untranslated region is related to fetal growth and preeclampsia. <i>FASEB Journal</i> , 2020, 34, 494-512.	0.2	24
32	Brief naturalistic stress induces an alternative splice variant of SMG-1 lacking exon 63 in peripheral leukocytes. <i>Neuroscience Letters</i> , 2010, 484, 128-132.	1.0	22
33	Effects of chronic academic stress on mental state and expression of glucocorticoid receptor $\beta$ and $\gamma$ isoforms in healthy Japanese medical students. <i>Stress</i> , 2011, 14, 431-438.	0.8	20
34	Physical Exercise-Associated Gene Expression Signatures in Peripheral Blood. <i>Clinical Journal of Sport Medicine</i> , 2007, 17, 375-383.	0.9	18
35	A Novel Tumor-Promoting Function Residing in the 5' Non-coding Region of vascular endothelial growth factor mRNA. <i>PLoS Medicine</i> , 2008, 5, e94.	3.9	17
36	A non-toxic heat shock protein 70 inducer, geranyl-geranyl-acetone, restores the heat shock response in gastric mucosa of protein-malnourished rats. <i>Translational Research</i> , 2000, 136, 138-148.	2.4	16

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37	Interleukin-18 is a crucial determinant of vulnerability of the mouse rectum to psychosocial stress. <i>FASEB Journal</i> , 2009, 23, 1797-1805.	0.2	16
38	Phenylarsine oxide inhibits heat shock protein 70 induction in cultured guinea pig gastric mucosal cells. <i>American Journal of Physiology - Cell Physiology</i> , 2000, 279, C1506-C1515.	2.1	15
39	Mitogen-Activated Protein Kinase Kinase 4/c-Jun NH2-Terminal Kinase Kinase 1 Protein Expression Is Subject to Translational Regulation in Prostate Cancer Cell Lines. <i>Molecular Cancer Research</i> , 2008, 6, 501-508.	1.5	15
40	Interleukin-18 deficiency reduces neuropeptide gene expressions in the mouse amygdala related with behavioral change. <i>Journal of Neuroimmunology</i> , 2010, 229, 129-139.	1.1	15
41	Integrated genetic and epigenetic analysis revealed heterogeneity of acute lymphoblastic leukemia in Down syndrome. <i>Cancer Science</i> , 2019, 110, 3358-3367.	1.7	15
42	Novel SIN3A mutation identified in a Japanese patient with Witteveen-Kolk syndrome. <i>European Journal of Medical Genetics</i> , 2019, 62, 103547.	0.7	15
43	En masse nascent transcription analysis to elucidate regulatory transcription factors. <i>Nucleic Acids Research</i> , 2006, 34, 1492-1500.	6.5	14
44	High-throughput screening of brief naturalistic stress-responsive cytokines in university students taking examinations. <i>International Journal of Psychophysiology</i> , 2010, 77, 135-140.	0.5	14
45	Placental Development and Nutritional Environment. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1012, 63-73.	0.8	14
46	DNA methylation-based classification reveals difference between pediatric T-cell acute lymphoblastic leukemia and normal thymocytes. <i>Leukemia</i> , 2020, 34, 1163-1168.	3.3	14
47	The DNA methylation profile of liver tumors in C3H mice and identification of differentially methylated regions involved in the regulation of tumorigenic genes. <i>BMC Cancer</i> , 2018, 18, 317.	1.1	12
48	En masse analysis of nascent translation using microarrays. <i>BioTechniques</i> , 2005, 39, 61-67.	0.8	11
49	Association of allele-specific methylation of the <i>ASNS</i> gene with asparaginase sensitivity and prognosis in T-ALL. <i>Blood Advances</i> , 2022, 6, 212-224.	2.5	11
50	Lists of HumanMethylation450 BeadChip probes with nucleotide-variant information obtained from the Phase 3 data of the 1000 Genomes Project. <i>Genomics Data</i> , 2016, 7, 67-69.	1.3	10
51	Whole body hyperthermia selectively induces heat shock protein 72 in neurons of the rat spinal cord. <i>Neuroscience Letters</i> , 1998, 258, 151-154.	1.0	9
52	DNA methylation changes involved in the tumor increase in F2 males born to gestationally arsenite-exposed F1 male mice. <i>Cancer Science</i> , 2019, 110, 2629-2642.	1.7	9
53	Comprehensive genetic analysis of pediatric germ cell tumors identifies potential drug targets. <i>Communications Biology</i> , 2020, 3, 544.	2.0	9
54	PARENTAL REARING ATTITUDES AND HEALTH-RELATED LIFESTYLE OF UNIVERSITY STUDENTS. <i>Social Behavior and Personality</i> , 2008, 36, 551-558.	0.3	8

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55	Molecular mechanisms of transcriptional regulation by the nuclear zinc-finger protein Zfat in T cells. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 1398-1410.	0.9	8
56	Gene expression profiling of white adipose tissue reveals paternal transmission of proneness to obesity. <i>Scientific Reports</i> , 2016, 6, 21693.	1.6	8
57	Associations Between Chronotype and Salivary Endocrinological Stress Markers. <i>Endocrine Research</i> , 2013, 38, 1-7.	0.6	7
58	Adverse parenting is associated with blunted salivary cortisol awakening response and altered expression of glucocorticoid receptor $\beta$ 2 and $\beta$ 2-adrenergic receptor mRNAs in leukocytes in Japanese medical students. <i>Stress</i> , 2017, 20, 159-166.	0.8	7
59	Genome-wide DNA methylation analysis in pediatric acute myeloid leukemia. <i>Blood Advances</i> , 2022, 6, 3207-3219.	2.5	7
60	DNA methylation analysis of cord blood samples in neonates born to gestational diabetes mothers diagnosed before 24 gestational weeks. <i>BMJ Open Diabetes Research and Care</i> , 2022, 10, e002539.	1.2	6
61	Epigenetic Changes in Neonates Born to Mothers With Gestational Diabetes Mellitus May Be Associated With Neonatal Hypoglycaemia. <i>Frontiers in Endocrinology</i> , 2021, 12, 690648.	1.5	5
62	Human cytomegalovirus downregulates SLITRK6 expression through IE2. <i>Journal of NeuroVirology</i> , 2017, 23, 79-86.	1.0	4
63	A novel CUL4B splice site variant in a young male exhibiting less pronounced features. <i>Human Genome Variation</i> , 2019, 6, 43.	0.4	4
64	<i>NUDT15</i> variants confer high incidence of second malignancies in children with acute lymphoblastic leukemia. <i>Blood Advances</i> , 2021, 5, 5420-5428.	2.5	4
65	Identification of ultraviolet B-sensitive genes in human peripheral blood cells. <i>Journal of Medical Investigation</i> , 2008, 55, 204-210.	0.2	3
66	Gene expression and DNA methylation changes in BeWo cells dependent on tumor necrosis factor- $\alpha$ and insulin-like growth factor-I. <i>Human Cell</i> , 2020, 33, 37-46.	1.2	3
67	Combined treatment with low-dose pioglitazone and beraprost sodium improves glucose intolerance without causing body weight gain. <i>Diabetology International</i> , 2013, 4, 226-232.	0.7	2
68	Frequent FGFR3 and Ras Gene Mutations in Skin Tags or Acrochordons. <i>Journal of Investigative Dermatology</i> , 2021, 141, 2756-2760.e8.	0.3	2