

Yukihiro Furusawa

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

5,410
citations

331670

21
h-index

168389

53
g-index

54
all docs

54
docs citations

54
times ranked

9611
citing authors

#	ARTICLE	IF	CITATIONS
1	Commensal microbe-derived butyrate induces the differentiation of colonic regulatory T cells. <i>Nature</i> , 2013, 504, 446-450.	27.8	3,901
2	The epigenetic regulator Uhrf1 facilitates the proliferation and maturation of colonic regulatory T cells. <i>Nature Immunology</i> , 2014, 15, 571-579.	14.5	147
3	Attenuation of CD4+CD25+ Regulatory T Cells in the Tumor Microenvironment by Metformin, a Type 2 Diabetes Drug. <i>EBioMedicine</i> , 2017, 25, 154-164.	6.1	108
4	Epigenetic modifications of the immune system in health and disease. <i>Immunology and Cell Biology</i> , 2015, 93, 226-232.	2.3	95
5	Zinc Transporter SLC39A7/ZIP7 Promotes Intestinal Epithelial Self-Renewal by Resolving ER Stress. <i>PLoS Genetics</i> , 2016, 12, e1006349.	3.5	80
6	Parathyroid hormone 1 (1 α -34) acts on the scales and involves calcium metabolism in goldfish. <i>Bone</i> , 2011, 48, 1186-1193.	2.9	75
7	DNA Double-Strand Breaks Induced by Cavitation Mechanical Effects of Ultrasound in Cancer Cell Lines. <i>PLoS ONE</i> , 2012, 7, e29012.	2.5	75
8	Mucin O-glycans facilitate symbiosynthesis to maintain gut immune homeostasis. <i>EBioMedicine</i> , 2019, 48, 513-525.	6.1	66
9	Melatonin is a potential drug for the prevention of bone loss during space flight. <i>Journal of Pineal Research</i> , 2019, 67, e12594.	7.4	61
10	Inhibition of checkpoint kinase 1 abrogates G2/M checkpoint activation and promotes apoptosis under heat stress. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2012, 17, 102-112.	4.9	51
11	Bofutsushosan improves gut barrier function with a bloom of <i>Akkermansia muciniphila</i> and improves glucose metabolism in mice with diet-induced obesity. <i>Scientific Reports</i> , 2020, 10, 5544.	3.3	51
12	Ultrasound-induced apoptosis in the presence of Sonazoid and associated alterations in gene expression levels: A possible therapeutic application. <i>Cancer Letters</i> , 2010, 288, 107-115.	7.2	39
13	Apoptotic cell death by the novel natural compound, cinobufotalin. <i>Chemico-Biological Interactions</i> , 2012, 199, 154-160.	4.0	39
14	Effects of therapeutic ultrasound on the nucleus and genomic DNA. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 2061-2068.	8.2	36
15	Modulation control over ultrasound-mediated gene delivery: Evaluating the importance of standing waves. <i>Journal of Controlled Release</i> , 2010, 141, 70-76.	9.9	35
16	Chemical inducers of heat shock proteins derived from medicinal plants and cytoprotective genes response. <i>International Journal of Hyperthermia</i> , 2012, 28, 1-8.	2.5	32
17	The molecular mechanisms and gene expression profiling for shikonin-induced apoptotic and necroptotic cell death in U937 cells. <i>Chemico-Biological Interactions</i> , 2013, 205, 119-127.	4.0	31
18	Growth and neurite stimulating effects of the neonicotinoid pesticide clothianidin on human neuroblastoma SH-SY5Y cells. <i>Toxicology and Applied Pharmacology</i> , 2019, 383, 114777.	2.8	30

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19	Response of osteoblasts and osteoclasts in regenerating scales to gravity loading. <i>Uchu Seibutsu Kagaku</i> , 2009, 23, 211-217.	0.3	29
20	Distinct Roles for CXCR6+ and CXCR6 ^{hi} CD4+ T Cells in the Pathogenesis of Chronic Colitis. <i>PLoS ONE</i> , 2013, 8, e65488.	2.5	26
21	Microfold cell-dependent antigen transport alleviates infectious colitis by inducing antigen-specific cellular immunity. <i>Mucosal Immunology</i> , 2020, 13, 679-690.	6.0	26
22	A microRNA-27a mimic sensitizes human oral squamous cell carcinoma HSC-4 cells to hyperthermia through downregulation of Hsp110 and Hsp90. <i>International Journal of Molecular Medicine</i> , 2014, 34, 334-340.	4.0	24
23	Low-intensity pulsed ultrasound induces apoptosis in osteoclasts: Fish scales are a suitable model for the analysis of bone metabolism by ultrasound. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016, 195, 26-31.	1.8	22
24	Gene networks involved in apoptosis induced by hyperthermia in human lymphoma U937 cells. <i>Cell Biology International</i> , 2009, 33, 1253-1262.	3.0	21
25	Gene networks related to the cell death elicited by hyperthermia in human oral squamous cell carcinoma HSC-3 cells. <i>International Journal of Molecular Medicine</i> , 2012, 29, 380-6.	4.0	21
26	Identification of biological functions and gene networks regulated by heat stress in U937 human lymphoma cells. <i>International Journal of Molecular Medicine</i> , 2011, 28, 143-51.	4.0	20
27	Ultrasound-Induced New Cellular Mechanism Involved in Drug Resistance. <i>PLoS ONE</i> , 2012, 7, e48291.	2.5	19
28	Alkannin, HSP70 Inducer, Protects against UVB-Induced Apoptosis in Human Keratinocytes. <i>PLoS ONE</i> , 2012, 7, e47903.	2.5	19
29	Inhibition of DNA-dependent protein kinase promotes ultrasound-induced cell death including apoptosis in human leukemia cells. <i>Cancer Letters</i> , 2012, 322, 107-112.	7.2	18
30	Prostaglandin E2 Increases Both Osteoblastic and Osteoclastic Activity in the Scales and Participates in Calcium Metabolism in Goldfish. <i>Zoological Science</i> , 2012, 29, 499-504.	0.7	17
31	A partial agonist for retinoid X receptor mitigates experimental colitis. <i>International Immunology</i> , 2019, 31, 251-262.	4.0	17
32	Identification of candidate genes involved in endogenous protection mechanisms against acute pancreatitis in mice. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 1342-1347.	2.1	16
33	Low-intensity ultrasound adjuvant therapy: enhancement of doxorubicin-induced cytotoxicity and the acoustic mechanisms involved. <i>Journal of Medical Ultrasonics (2001)</i> , 2009, 36, 61.	1.3	15
34	Inactivation of DNA-Dependent Protein Kinase Promotes Heat-Induced Apoptosis Independently of Heat Shock Protein Induction in Human Cancer Cell Lines. <i>PLoS ONE</i> , 2013, 8, e58325.	2.5	13
35	Isoliquiritigenin Attenuates Adipose Tissue Inflammation and Metabolic Syndrome by Modifying Gut Bacteria Composition in Mice. <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2101119.	3.3	13
36	Epithelial-stromal interaction via Notch signaling is essential for the full maturation of gut-associated lymphoid tissues. <i>EMBO Reports</i> , 2014, 15, 1297-1304.	4.5	12

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37	3-O-trans-p-coumaroyl-alphitolic acid, a triterpenoid from <i>Zizyphus jujuba</i> , leads to apoptotic cell death in human leukemia cells through reactive oxygen species production and activation of the unfolded protein response. <i>PLoS ONE</i> , 2017, 12, e0183712.	2.5	11
38	Common gene expression patterns responsive to mild temperature hyperthermia in normal human fibroblastic cells. <i>International Journal of Hyperthermia</i> , 2013, 29, 38-50.	2.5	10
39	Checkpoint kinase 2 is dispensable for regulation of the p53 response but is required for G2/M arrest and cell survival in cells with p53 defects under heat stress. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2017, 22, 1225-1234.	4.9	10
40	Identification of genes and genetic networks associated with BAG3-dependent cell proliferation and cell survival in human cervical cancer HeLa cells. <i>Molecular Medicine Reports</i> , 2018, 18, 4138-4146.	2.4	10
41	HIKESHI silencing can enhance mild hyperthermia sensitivity in human oral squamous cell carcinoma HSC-3 cells. <i>International Journal of Molecular Medicine</i> , 2020, 46, 58-66.	4.0	9
42	TGF- β 2-Activated Kinase 1 Promotes Cell Cycle Arrest and Cell Survival of X-Ray Irradiated HeLa Cells Dependent on p21 Induction but Independent of NF- κ B, p38 MAPK and ERK Phosphorylations. <i>Radiation Research</i> , 2012, 177, 766.	1.5	8
43	Hydroxylated benzo[c]phenanthrene metabolites cause osteoblast apoptosis and skeletal abnormalities in fish. <i>Ecotoxicology and Environmental Safety</i> , 2022, 234, 113401.	6.0	8
44	Differential cytotoxicity and sonosensitization by sanazole: effect of cell type and acoustic parameters. <i>Journal of Medical Ultrasonics (2001)</i> , 2011, 38, 65-72.	1.3	7
45	Comprehensive and computational analysis of genes in human umbilical vein endothelial cells responsive to X-irradiation. <i>Genomics Data</i> , 2016, 8, 126-130.	1.3	7
46	Ultrasound activates ataxia telangiectasia mutated- and rad3-related (ATR)-checkpoint kinase 1 (Chk1) pathway in human leukemia Jurkat cells. <i>Ultrasonics Sonochemistry</i> , 2012, 19, 1246-1251.	8.2	5
47	CDKN2A, CDK1, and CCNE1 overexpression in sebaceous gland carcinoma of eyelid. <i>International Ophthalmology</i> , 2020, 40, 343-350.	1.4	5
48	Low-intensity pulsed ultrasound promotes the expression of immediate-early genes in mouse ST2 bone marrow stromal cells. <i>Journal of Medical Ultrasonics (2001)</i> , 2020, 47, 193-201.	1.3	5
49	TAK1 promotes cell survival by TNFAIP3 and IL-8 dependent and NF- κ B independent pathway in HeLa cells exposed to heat stress. <i>International Journal of Hyperthermia</i> , 2013, 29, 688-695.	2.5	4
50	De novo transcriptome analysis and gene expression profiling of fish scales isolated from <i>Carassius auratus</i> during space flight: Impact of melatonin on gene expression in response to space radiation. <i>Molecular Medicine Reports</i> , 2020, 22, 2627-2636.	2.4	4
51	Pitfalls in global normalization of ChIP-seq data in CD4+ T cells treated with butyrate: A possible solution strategy. <i>Genomics Data</i> , 2014, 2, 176-180.	1.3	3
52	Development of Oral Epithelial Cell Line ROE2 with Differentiation Potential from Transgenic Rats Harboring Temperature-Sensitive Simian Virus40 Large T-Antigen Gene. <i>Experimental Animals</i> , 2014, 63, 31-44.	1.1	2
53	Low-intensity ultrasound inhibits melanoma cell proliferation in vitro and tumor growth in vivo. <i>Journal of Medical Ultrasonics (2001)</i> , 2021, 48, 451-461.	1.3	2
54	Recent progress in molecular bioeffects of ultrasound: from apoptosis to gene response. <i>Choonpa Igaku</i> , 2011, 38, 221-230.	0.0	0