Tomoki Kimura

List of Publications by Year in descending order

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49 papers	1,228 citations	430754 18 h-index	377752 34 g-index
58 all docs	58 docs citations	58 times ranked	1632 citing authors

#	Article	IF	Citations
1	The Functions of Metallothionein and ZIP and ZnT Transporters: An Overview and Perspective. International Journal of Molecular Sciences, 2016, 17, 336.	1.8	314
2	Metallothionein Induction by Hypoxia Involves Cooperative Interactions between Metal-Responsive Transcription Factor-1 and Hypoxia-Inducible Transcription Factor-1Î±. Molecular Cancer Research, 2008, 6, 483-490.	1.5	70
3	Zinc-Induced Formation of a Coactivator Complex Containing the Zinc-Sensing Transcription Factor MTF-1, p300/CBP, and Sp1. Molecular and Cellular Biology, 2008, 28, 4275-4284.	1.1	64
4	The Zinc-Sensing Mechanism of Mouse MTF-1 Involves Linker Peptides between the Zinc Fingers. Molecular and Cellular Biology, 2006, 26, 5580-5587.	1.1	59
5	Caspase-4 Directly Activates Caspase-9 in Endoplasmic Reticulum Stressâ€“Induced Apoptosis in SH-SY5Y Cells. Journal of Pharmacological Sciences, 2011, 115, 239-243.	1.1	53
6	Screening of House Dust from Chinese Homes for Chemicals with Liver X Receptors Binding Activities and Characterization of Atherosclerotic Activity Using an in Vitro Macrophage Cell Line and ApoEâ^'/â^' Mice. Environmental Health Perspectives, 2019, 127, 117003.	2.8	50
7	Sensitivity of Metallothionein-Null Mice to LPS/-Galactosamine-Induced Lethality. Biochemical and Biophysical Research Communications, 2001, 280, 358-362.	1.0	38
8	Partial contribution of the Keap1â€“Nrf2 system to cadmium-mediated metallothionein expression in vascular endothelial cells. Toxicology and Applied Pharmacology, 2016, 295, 37-46.	1.3	37
9	Cooperative Functions of ZnT1, Metallothionein and ZnT4 in the Cytoplasm Are Required for Full Activation of TNAP in the Early Secretory Pathway. PLoS ONE, 2013, 8, e77445.	1.1	34
10	Induction of metallothionein isoforms by copper diethyldithiocarbamate in cultured vascular endothelial cells. Journal of Toxicological Sciences, 2016, 41, 225-232.	0.7	31
11	Possible aryl hydrocarbon receptor-independent pathway of 2,3,7,8-tetrachlorodibenzo-p-dioxin-induced antiproliferative response in human breast cancer cells. Toxicology Letters, 2012, 211, 257-265.	0.4	30
12	Chromium(VI) inhibits mouse metallothionein-I gene transcription by preventing the zinc-dependent formation of an MTF-1â€“p300 complex. Biochemical Journal, 2008, 415, 477-482.	1.7	29
13	Role of megalin and the soluble form of its ligand RAP in Cd-metallothionein endocytosis and Cd-metallothionein-induced nephrotoxicity in vivo. Toxicology Letters, 2012, 212, 91-96.	0.4	29
14	Function of Metallothionein in Gene Expression and Signal Transduction: Newly Found Protective Role of Metallothionein. Journal of Health Science, 2008, 54, 251-260.	0.9	28
15	Mechanisms of Heavy Metal Sensing by Metal Response Element-binding Transcription Factor-1. Journal of Health Science, 2009, 55, 484-494.	0.9	27
16	Ethanol-induced expression of glutamateâ€“cysteine ligase catalytic subunit gene is mediated by NF-ÎºB. Toxicology Letters, 2009, 185, 110-115.	0.4	26
17	Tissue accumulation of cadmium following oral administration to metallothionein-null mice. Toxicology Letters, 1998, 99, 85-90.	0.4	23
18	Transcriptional Induction of Metallothionein by Tris(pentafluorophenyl)stibane in Cultured Bovine Aortic Endothelial Cells. International Journal of Molecular Sciences, 2016, 17, 1381.	1.8	22

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19	Metallothionein-independent hepatoprotection by zinc and sakuraso-saponin. Toxicology Letters, 1997, 93, 135-140.	0.4	18
20	The zinc-sensing transcription factor MTF-1 mediates zinc-induced epigenetic changes in chromatin of the mouse metallothionein-I promoter. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2011, 1809, 56-62.	0.9	18
21	MRE-binding transcription factor-1 is activated during endotoxemia: a central role for metallothionein. Toxicology Letters, 2002, 129, 77-84.	0.4	16
22	Zinc diethyldithiocarbamate as an inducer of metallothionein in cultured vascular endothelial cells. Journal of Toxicological Sciences, 2016, 41, 217-224.	0.7	16
23	Metallothionein-Null Mice Express Altered Genes during Development. Biochemical and Biophysical Research Communications, 2000, 270, 458-461.	1.0	15
24	Discovery of contaminants with antagonistic activity against retinoic acid receptor in house dust. Journal of Hazardous Materials, 2022, 426, 127847.	6.5	15
25	Male Hypogonadism Causes Obesity Associated with Impairment of Hepatic Gluconeogenesis in Mice. Biological and Pharmaceutical Bulletin, 2016, 39, 587-592.	0.6	13
26	In vivo profiling of 2,3,7,8-tetrachlorodibenzo-p-dioxinâ€“induced estrogenic/anti-estrogenic effects in female estrogen-responsive reporter transgenic mice. Journal of Hazardous Materials, 2020, 385, 121526.	6.5	11
27	Hepatic Zinc Response via Metallothionein Induction after Tumor Transplantation. Biochemical and Biophysical Research Communications, 2000, 270, 1140-1143.	1.0	9
28	C-terminal deletion mutant of MRE-binding transcription factor-1 inhibits MRE-driven gene expression. Journal of Cellular Biochemistry, 2004, 93, 609-618.	1.2	9
29	Chromium (VI)-induced transformation is enhanced by Zn deficiency in BALB/c 3T3 cells. Journal of Toxicological Sciences, 2015, 40, 383-387.	0.7	9
30	Long-term cadmium exposure enhances metallothionein-1 induction after subsequent exposure to high concentrations of cadmium in P1798 mouse lymphosarcoma cells. Journal of Toxicological Sciences, 2019, 44, 309-316.	0.7	9
31	CpG Site-Specific Regulation of Metallothionein-1 Gene Expression. International Journal of Molecular Sciences, 2020, 21, 5946.	1.8	9
32	Role of metal-responsive transcription factor-1 (MTF-1) in EGF-dependent DNA synthesis in primary hepatocytes. Journal of Cellular Biochemistry, 2006, 99, 485-494.	1.2	8
33	Engineering expression of polyphosphate confers cadmium resistance in tobacco. Journal of Toxicological Sciences, 2008, 33, 371-373.	0.7	8
34	Chromium (VI) inhibits mouse metallothionein-I gene transcription by modifying the transcription potential of the co-activator p300. Journal of Toxicological Sciences, 2011, 36, 173-180.	0.7	8
35	Low-Concentration Tributyltin Decreases GluR2 Expression via Nuclear Respiratory Factor-1 Inhibition. International Journal of Molecular Sciences, 2017, 18, 1754.	1.8	7
36	Metal Response Element-binding Transcription Factor-1 Is Activated by Degradation of Metallothionein. Journal of Health Science, 2009, 55, 72-76.	0.9	6

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37	Bis(l-cysteinato)zincate(II) as a coordination compound that induces metallothionein gene transcription without inducing cell-stress-related gene transcription. Journal of Inorganic Biochemistry, 2012, 117, 140-146.	1.5	6
38	Metallothionein-Null Mice Are Sensitive to Endotoxine/D-Galactosamine-Induced Hepatotoxicity.. Journal of Health Science, 2001, 47, 310-313.	0.9	5
39	Molecular Mechanisms of Zinc-mediated Induction and Chromium(VI)-mediated Inhibition of Mouse Metallothionein-I Gene Transcription. Journal of Health Science, 2010, 56, 161-166.	0.9	5
40	Protective Effect of Zinc against Lipopolysaccharide/D-Galactosamine-Induced Lethality.. Journal of Health Science, 2003, 49, 40-44.	0.9	4
41	Ligand Activity of Group 15 Compounds Possessing Triphenyl Substituent for the RXR and PPARÎ³ Nuclear Receptors. Biological and Pharmaceutical Bulletin, 2016, 39, 1596-1603.	0.6	4
42	Influence of lightâ€“dark cycle on delayed recovery from isoflurane anesthesia induced by hypnotics in mice. Journal of Pharmacological Sciences, 2021, 145, 335-339.	1.1	4
43	A simple method using anesthetics to test effects of sleep-inducing substances in mice. Journal of Pharmacological Sciences, 2020, 142, 79-82.	1.1	3
44	Synergistic activation of mouse metallothionein-I gene by interleukin-6 and glucocorticoid. , 1999, , 267-272.		3
45	Potential Interference of Oil Vehicles on Genital Tubercle Development during the Fetal Period in ICR Mice. Biological and Pharmaceutical Bulletin, 2018, 41, 266-271.	0.6	2
46	Cadmium Inhibits All-Trans-Retinoic Acid-Induced Increase of Nitroblue Tetrazolium Reduction Activity and Induces Metallothionein 1G Expression in Human Acute Myelocytic Leukemia HL-60 Cells. BPB Reports, 2020, 3, 34-38.	0.1	2
47	Utility of murine dendritic cell line DC2.4 for <i>in vitro </i>assay of skin-sensitization potential. Fundamental Toxicological Sciences, 2017, 4, 121-126.	0.2	1
48	Effect of Metallothionein on Doxorubicin-induced Hepatotoxicity(PROCEEDINGS OF 24TH SYMPOSIUM) Tj ETQq0 0 0 rgBT /Overlock 10	0.9	0
49	Tri-substituted organotin compounds, but not retinoic acid, are potent ligands of complement component 8 Î³. Journal of Toxicological Sciences, 2020, 45, 581-587.	0.7	0