Mineko Terao

List of Publications by Year
in descending order

112	5,182	66343	98798
papers	citations	42 h-index	67 g-index

113	113	113	4077
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Expression of functional acetylcholine receptor from cloned cDNAs. Nature, 1984, 307, 604-608.	27.8	394
2	Mammalian molybdo-flavoenzymes, an expanding family of proteins: structure, genetics, regulation, function and pathophysiology. Biochemical Journal, 2003, 372, 15-32.	3.7	221
3	Mammalian aldehyde oxidases: genetics, evolution and biochemistry. Cellular and Molecular Life Sciences, 2008, 65, 1019-1048.	5.4	164
4	Cytokine induction of haem oxygenase mRNA in mouse liver. Interleukin 1 transcriptionally activates the haem oxygenase gene. Biochemical Journal, 1993, 290, 343-347.	3.7	149
5	The role of aldehyde oxidase in drug metabolism. Expert Opinion on Drug Metabolism and Toxicology, 2012, 8, 487-503.	3.3	147
6	Molecular cloning of a cDNA coding for mouse liver xanthine dehydrogenase. Regulation of its transcript by interferons in vivo. Biochemical Journal, 1992, 283, 863-870.	3.7	130
7	Retinoids and breast cancer: From basic studies to the clinic and back again. Cancer Treatment Reviews, 2014, 40, 739-749.	7.7	113
8	Stat1 Is Induced and Activated by All-Trans Retinoic Acid in Acute Promyelocytic Leukemia Cells. Blood, 1997, 89, 1001-1012.	1.4	111
9	Increasing recognition of the importance of aldehyde oxidase in drug development and discovery. Drug Metabolism Reviews, 2011, 43, 374-386.	3.6	99
10	The mammalian aldehyde oxidase gene family. Human Genomics, 2009, 4, 119-30.	2.9	98
11	Purification, cDNA Cloning, and Tissue Distribution of Bovine Liver Aldehyde Oxidase. Journal of Biological Chemistry, 1995, 270, 31037-31045.	3.4	96
12	Structure and function of mammalian aldehyde oxidases. Archives of Toxicology, 2016, 90, 753-780.	4.2	95
13	The Impact of Single Nucleotide Polymorphisms on Human Aldehyde Oxidase. Drug Metabolism and Disposition, 2012, 40, 856-864.	3.3	88
14	Retinoid-dependent growth inhibition, differentiation and apoptosis in acute promyelocytic leukemia cells. Expression and activation of caspases. Cell Death and Differentiation, 2000, 7, 447-460.	11.2	84
15	Cloning and characterization of a cDNA coding for mouse placental alkaline phosphatase.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 7051-7055.	7.1	83
16	The First Mammalian Aldehyde Oxidase Crystal Structure. Journal of Biological Chemistry, 2012, 287, 40690-40702.	3.4	83
17	Induction of miR-21 by Retinoic Acid in Estrogen Receptor-positive Breast Carcinoma Cells. Journal of Biological Chemistry, 2011, 286, 4027-4042.	3.4	82
18	The Novel Synthetic Retinoid 6-[3-adamantyl-4-hydroxyphenyl]-2-naphthalene Carboxylic Acid (CD437) Causes Apoptosis in Acute Promyelocytic Leukemia Cells Through Rapid Activation of Caspases. Blood, 1999, 93, 1045-1061.	1.4	79

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19	Antiproliferative and Differentiating Activities of a Novel Series of Histone Deacetylase Inhibitors. ACS Medicinal Chemistry Letters, 2010, 1, 411-415.	2.8	73
20	Isolation and characterization of the mouse liver/bone/kidney-type alkaline phosphatase gene. Biochemical Journal, 1990, 268, 641-648.	3.7	70
21	Axonal-SMN (a-SMN), a protein isoform of the survival motor neuron gene, is specifically involved in axonogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1959-1964.	7.1	70
22	Retinoids as Differentiating Agents in Oncology: A Network of Interactions with Intracellular Pathways as the Basis for Rational Therapeutic Combinations. Current Pharmaceutical Design, 2007, 13, 1375-1400.	1.9	68
23	ST1926, a novel and orally active retinoid-related molecule inducing apoptosis in myeloid leukemia cells: modulation of intracellular calcium homeostasis. Blood, 2004, 103, 194-207.	1.4	67
24	Tyrosine kinase inhibitor STI571 potentiates the pharmacologic activity of retinoic acid in acute promyelocytic leukemia cells: effects on the degradation of RARÎ± and PML-RARÎ±. Blood, 2001, 97, 3234-3243.	1.4	61
25	Retinoid Related Molecules an Emerging Class of Apoptotic Agents with Promising Therapeutic Potential in Oncology: Pharmacological Activity and Mechanisms of Action. Current Pharmaceutical Design, 2004, 10, 433-448.	1.9	61
26	Cloning of the cDNAs Coding for Two Novel Molybdo-flavoproteins Showing High Similarity with Aldehyde Oxidase and Xanthine Oxidoreductase. Journal of Biological Chemistry, 2000, 275, 30690-30700.	3.4	60
27	Aldehyde oxidase and its importance in novel drug discovery: present and future challenges. Expert Opinion on Drug Discovery, 2013, 8, 641-654.	5.0	60
28	Cellular and molecular determinants of allâ€•trans retinoic acid sensitivity in breast cancer: Luminal phenotype and <scp>RAR</scp> Î± expression. EMBO Molecular Medicine, 2015, 7, 950-972.	6.9	60
29	Isolation and characterization of the human aldehyde oxidase gene: conservation of intron/exon boundaries with the xanthine oxidoreductase gene indicates a common origin. Biochemical Journal, 1998, 332, 383-393.	3.7	59
30	Involvement of long-chain acyl coenzyme A for lipid synthesis in repression of acetyl-coenzyme A carboxylase in Candida lipolytica.. Proceedings of the National Academy of Sciences of the United States of America, 1979, 76, 4390-4394.	7.1	58
31	Interferons induce xanthine dehydrogenase gene expression in L929 cells. Biochemical Journal, 1992, 285, 1001-1008.	3.7	57
32	Inhibition of the Peptidyl-Prolyl-Isomerase Pin1 Enhances the Responses of Acute Myeloid Leukemia Cells to Retinoic Acid via Stabilization of RARÎ± and PML-RARÎ±. Cancer Research, 2009, 69, 1016-1026.	0.9	57
33	Molecular cloning of the cDNA coding for mouse aldehyde oxidase: tissue distribution and regulation in vivo by testosterone. Biochemical Journal, 1999, 341, 71-80.	3.7	56
34	The Aldehyde Oxidase Gene Cluster in Mice and Rats. Journal of Biological Chemistry, 2004, 279, 50482-50498.	3.4	56
35	Avian and Canine Aldehyde Oxidases. Journal of Biological Chemistry, 2006, 281, 19748-19761.	3.4	56
36	Chromosomal Mapping, Isolation, and Characterization of the Mouse Xanthine Dehydrogenase Gene. Genomics, 1994, 23, 390-402.	2.9	55

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37	Role of the Molybdoflavoenzyme Aldehyde Oxidase Homolog 2 in the Biosynthesis of Retinoic Acid: Generation and Characterization of a Knockout Mouse. Molecular and Cellular Biology, 2009, 29, 357-377.	2.3	55
38	Structure and evolution of vertebrate aldehyde oxidases: from gene duplication to gene suppression. Cellular and Molecular Life Sciences, 2013, 70, 1807-1830.	5.4	53
39	Synergistic antitumor activity of lapatinib and retinoids on a novel subtype of breast cancer with coamplification of ERBB2 and RARA. Oncogene, 2012, 31, 3431-3443.	5.9	51
40	Cellular DNA rearrangements and early developmental arrest caused by DNA insertion in transgenic mouse embryos.. Molecular and Cellular Biology, 1987, 7, 2243-2247.	2.3	47
41	Expression of xanthine oxidoreductase in mouse mammary epithelium during pregnancy and lactation: regulation of gene expression by glucocorticoids and prolactin. Biochemical Journal, 1996, 319, 801-810.	3.7	44
42	All-trans-retinoic Acid Modulates the Plasticity and Inhibits the Motility of Breast Cancer Cells. Journal of Biological Chemistry, 2015, 290, 17690-17709.	3.4	44
43	Purification of the Aldehyde Oxidase Homolog 1 (AOH1) Protein and Cloning of the AOH1 and Aldehyde Oxidase Homolog 2 (AOH2) Genes. Journal of Biological Chemistry, 2001, 276, 46347-46363.	3.4	43
44	Characterization of a second promoter for the mouse liver/bone/kidney-type alkaline phosphatase gene: Cell and tissue specific expression. Biochemical and Biophysical Research Communications, 1991, 179, 1352-1360.	2.1	42
45	Effects of Synthetic Retinoids and Retinoic Acid Isomers on the Expression of Alkaline Phosphatase in F9 Teratocarcinoma Cells. Biochemical and Biophysical Research Communications, 1993, 196, 252-259.	2.1	40
46	Site Directed Mutagenesis of Amino Acid Residues at the Active Site of Mouse Aldehyde Oxidase AOX1. PLoS ONE, 2009, 4, e5348.	2.5	40
47	Isolation and characterization of an acute promyelocytic leukemia cell line selectively resistant to the novel antileukemic and apoptogenic retinoid 6-[3-adamantyl-4-hydroxyphenyl]-2-naphthalene carboxylic acid. Blood, 2000, 95, 2672-2682.	1.4	39
48	Regulation and Biochemistry of Mouse Molybdo-flavoenzymes. Journal of Biological Chemistry, 2004, 279, 8668-8683.	3.4	39
49	Antitumor Activity of the Retinoid-Related Molecules (E)-3-(4â€²-Hydroxy-3â€²-adamantylbiphenyl-4-yl)acrylic Acid (ST1926) and 6-[3-(1-Adamantyl)-4-hydroxyphenyl]-2-naphthalene Carboxylic Acid (CD437) in F9 Teratocarcinoma: Role of Retinoic Acid Receptor Î³ and Retinoid-Independent Pathways. Molecular Pharmacology, 2006, 70, 909-924.	2.3	39
50	Atypical retinoids ST1926 and CD437 are S-phase-specific agents causing DNA double-strand breaks: significance for the cytotoxic and antiproliferative activity. Molecular Cancer Therapeutics, 2008, 7, 2941-2954.	4.1	39
51	Evolution, expression, and substrate specificities of aldehyde oxidase enzymes in eukaryotes. Journal of Biological Chemistry, 2020, 295, 5377-5389.	3.4	39
52	Isolation and characterization of variant cDNAs encoding mouse tyrosinase. Biochemical and Biophysical Research Communications, 1989, 159, 848-853.	2.1	36
53	Phosphodiesterase IV Inhibition by Piclamilast Potentiates the Cytodifferentiating Action of Retinoids in Myeloid Leukemia Cells. Journal of Biological Chemistry, 2004, 279, 42026-42040.	3.4	35
54	Structural basis for the role of mammalian aldehyde oxidases in the metabolism of drugs and xenobiotics. Current Opinion in Chemical Biology, 2017, 37, 39-47.	6.1	33

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55	Uncoupling FoxO3A mitochondrial and nuclear functions in cancer cells undergoing metabolic stress and chemotherapy. Cell Death and Disease, 2018, 9, 231.	6.3	33
56	MicroRNA networks regulated by all-trans retinoic acid and Lapatinib control the growth, survival and motility of breast cancer cells. Oncotarget, 2015, 6, 13176-13200.	1.8	33
57	Identification of aldehyde oxidase 1 and aldehyde oxidase homologue 1 as dioxin-inducible genes. Toxicology, 2005, 207, 401-409.	4.2	31
58	Network-guided modeling allows tumor-type independent prediction of sensitivity to all-trans-retinoic acid. Annals of Oncology, 2017, 28, 611-621.	1.2	31
59	Retinoic acid induces liver/bone/kidney-type alkaline phosphatase gene expression in F9 teratocarcinoma cells. Biochemical Journal, 1991, 274, 673-678.	3.7	30
60	Molybdenum(VI) salts convert the xanthine oxidoreductase apoprotein into the active enzyme in mouse L929 fibroblastic cells*. Biochemical Journal, 1994, 298, 69-77.	3.7	30
61	Isolation and characterization of the gene coding for human cytidine deaminase. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1998, 1443, 323-333.	2.4	30
62	Bis-indols: a novel class of molecules enhancing the cytodifferentiating properties of retinoids in myeloid leukemia cells. Blood, 2002, 100, 3719-3730.	1.4	30
63	The xanthine oxidoreductase gene: structure and regulation. Biochemical Society Transactions, 1997, 25, 791-796.	3.4	29
64	Characterization and Crystallization of Mouse Aldehyde Oxidase 3: From Mouse Liver toEscherichia coliHeterologous Protein Expression. Drug Metabolism and Disposition, 2011, 39, 1939-1945.	3.3	29
65	Purification and characterization of mouse liver xanthine oxidase. Archives of Biochemistry and Biophysics, 1990, 279, 237-241.	3.0	28
66	Retinoic acid and methylation cis-regulatory elements control the mouse tissue non-specific alkaline phosphatase gene expression. Mechanisms of Development, 1996, 57, 21-32.	1.7	26
67	Human Axonal Survival of Motor Neuron (a-SMN) Protein Stimulates Axon Growth, Cell Motility, C-C Motif Ligand 2 (CCL2), and Insulin-like Growth Factor-1 (IGF1) Production. Journal of Biological Chemistry, 2012, 287, 25782-25794.	3.4	26
68	Cytodifferentiation by Retinoids, a Novel Therapeutic Option in Oncology: Rational Combinations with Other Therapeutic Agents. Vitamins and Hormones, 2007, 75, 301-354.	1.7	24
69	p38Î±MAPK interacts with and inhibits RARÎ±: suppression of the kinase enhances the therapeutic activity of retinoids in acute myeloid leukemia cells. Leukemia, 2012, 26, 1850-1861.	7.2	24
70	Lipid-sensors, enigmatic-orphan and orphan nuclear receptors as therapeutic targets in breast-cancer. Oncotarget, 0, 7, 42661-42682.	1.8	24
71	Lentiviral vectors carrying enhancer elements of Hb9 promoter drive selective transgene expression in mouse spinal cord motor neurons. Journal of Neuroscience Methods, 2012, 205, 139-147.	2.5	23
72	HER2-positive breast-cancer cell lines are sensitive to KDM5 inhibition: definition of a gene-expression model for the selection of sensitive cases. Oncogene, 2019, 38, 2675-2689.	5.9	23

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73	Interferons induce normal and aberrant retinoic-acid receptors type Î± in acute promyelocytic leukemia cells: Potentiation of the induction of retinoid-dependent differentiation markers. , 1996, 68, 75-83.		22
74	Selective localization of mouse aldehyde oxidase mRNA in the choroid plexus and motor neurons. NeuroReport, 1997, 8, 2343-2349.	1.2	22
75	Retinoic acid and cyclic AMP synergistically induce the expression of liver/bone/kidney-type alkaline phosphatase gene in L929 fibroblastic cells. Biochemical Journal, 1993, 296, 67-77.	3.7	21
76	Molecular cloning of the cDNA coding for mouse aldehyde oxidase: tissue distribution and regulation in vivo by testosterone. Biochemical Journal, 1999, 341, 71.	3.7	21
77	Inhibitory effects of drugs on the metabolic activity of mouse and human aldehyde oxidases and influence on drugâ€“drug interactions. Biochemical Pharmacology, 2018, 154, 28-38.	4.4	21
78	Critical overview on the structure and metabolism of human aldehyde oxidase and its role in pharmacokinetics. Coordination Chemistry Reviews, 2018, 368, 35-59.	18.8	21
79	Effects of 1,25-Dihydroxy Vitamin D3 on All-Trans Retinoic Acid Sensitive and Resistant Acute Promyelocytic Leukemia Cells. Biochemical and Biophysical Research Communications, 1996, 224, 50-56.	2.1	20
80	Inhibition of melanogenesis by BMY-28565, a novel compound depressing tyrosinase activity in B16 melanoma cells. Biochemical Pharmacology, 1992, 43, 183-189.	4.4	19
81	Insights into the structural determinants of substrate specificity and activity in mouse aldehyde oxidases. Journal of Biological Inorganic Chemistry, 2015, 20, 209-217.	2.6	19
82	Retinoids and breast cancer: new clues to increase their activity and selectivity. Breast Cancer Research, 2012, 14, 111.	5.0	18
83	S100A3 a partner protein regulating the stability/activity of RARÎ± and PML-RARÎ± in cellular models of breast/lung cancer and acute myeloid leukemia. Oncogene, 2019, 38, 2482-2500.	5.9	18
84	Mapping of gene encoding mouse placental alkaline phosphatase to chromosome 4. Somatic Cell and Molecular Genetics, 1988, 14, 211-215.	0.7	17
85	CXCL13/CXCR5 signalling is pivotal to preserve motor neurons in amyotrophic lateral sclerosis. EBioMedicine, 2020, 62, 103097.	6.1	16
86	Flow cytometry of leucocyte alkaline phosphatase in normal and pathologic leucocytes. British Journal of Haematology, 1997, 96, 815-822.	2.5	15
87	The mouse aldehyde oxidase gene: molecular cloning, chromosomal mapping and functional characterization of the 5â€²-flanking region. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1999, 1489, 207-222.	2.4	15
88	Mouse aldehyde-oxidase-4 controls diurnal rhythms, fat deposition and locomotor activity. Scientific Reports, 2016, 6, 30343.	3.3	15
89	Direct Comparison of the Enzymatic Characteristics and Superoxide Production of the Four Aldehyde Oxidase Enzymes Present in Mouse. Drug Metabolism and Disposition, 2017, 45, 947-955.	3.3	15
90	All-Trans Retinoic Acid Stimulates Viral Mimicry, Interferon Responses and Antigen Presentation in Breast-Cancer Cells. Cancers, 2020, 12, 1169.	3.7	15

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91	Tyrosine Kinases but Not cAMP-Dependent Protein Kinase Mediate the Induction of Leukocyte Alkaline Phosphatase by Granulocyte-Colony-Stimulating Factor and Retinoic Acid in Acute Promyelocytic Leukemia Cells. Biochemical and Biophysical Research Communications, 1995, 208, 846-854.	2.1	14
92	New insights into the molecular mechanisms underlying sensitivity/resistance to the atypical retinoid ST1926 in acute myeloid leukaemia cells: The role of histone H2A.Z, cAMP-dependent protein kinase A and the proteasome. European Journal of Cancer, 2013, 49, 1491-1500.	2.8	14
93	Cross-talk Between Retinoic Acid and Interferons: Molecular Mechanisms of Interaction in Acute Promyelocytic Leukemia Cells. Leukemia and Lymphoma, 1998, 30, 467-476.	1.3	13
94	Assignment of the Human Cytidine Deaminase (CDA) Gene to Chromosome 1 Band p35-p36.2. Genomics, 1994, 22, 661-662.	2.9	12
95	Spinal muscular atrophy pathogenic mutations impair the axonogenic properties of axonalâ€survival of motor neuron. Journal of Neurochemistry, 2012, 121, 465-474.	3.9	12
96	Role of mitochondria and cardiolipins in growth inhibition of breast cancer cells by retinoic acid. Journal of Experimental and Clinical Cancer Research, 2019, 38, 436.	8.6	11
97	Aldehyde oxidase at the crossroad of metabolism and preclinical screening. Drug Metabolism Reviews, 2019, 51, 428-452.	3.6	11
98	The Novel Synthetic Retinoid 6-[3-adamantyl-4-hydroxyphenyl]-2-naphthalene Carboxylic Acid (CD437) Causes Apoptosis in Acute Promyelocytic Leukemia Cells Through Rapid Activation of Caspases. Blood, 1999, 93, 1045-1061.	1.4	11
99	Different Stability and Proteasome-Mediated Degradation Rate of SMN Protein Isoforms. PLoS ONE, 2015, 10, e0134163.	2.5	11
100	Retinoic Acid Sensitivity of Triple-Negative Breast Cancer Cells Characterized by Constitutive Activation of the notch1 Pathway: The Role of RarÎ². Cancers, 2020, 12, 3027.	3.7	10
101	Cytodifferentiation: a novel approach to cancer treatment and prevention. Current Opinion in Pharmacology, 2001, 1, 358-363.	3.5	8
102	RARÎ±2 and PML-RAR similarities in the control of basal and retinoic acid induced myeloid maturation of acute myeloid leukemia cells. Oncotarget, 2017, 8, 37041-37060.	1.8	8
103	Generation of a new mouse model of glaucoma characterized by reduced expression of the AP-2Î² and AP-2Î´ proteins. Scientific Reports, 2017, 7, 11140.	3.3	7
104	A DOCK1 Gene-Derived Circular RNA Is Highly Expressed in Luminal Mammary Tumours and Is Involved in the Epithelial Differentiation, Growth, and Motility of Breast Cancer Cells. Cancers, 2021, 13, 5325.	3.7	6
105	Association ofCFHR1homozygous deletion with acute myelogenous leukemia in the European population. Leukemia and Lymphoma, 2016, 57, 1234-1237.	1.3	5
106	Isolation and characterization of an acute promyelocytic leukemia cell line selectively resistant to the novel antileukemic and apoptogenic retinoid 6-[3-adamantyl-4-hydroxyphenyl]-2-naphthalene carboxylic acid. Blood, 2000, 95, 2672-2682.	1.4	5
107	Granulocytic maturation in cultures of acute myeloid leukemia is not always accompanied by increased apoptosis. Leukemia Research, 2006, 30, 519-520.	0.8	3
108	Involvement of aldehyde oxidase in the metabolism of aromatic and aliphatic aldehyde-odorants in the mouse olfactory epithelium. Archives of Biochemistry and Biophysics, 2022, 715, 109099.	3.0	3

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109	Role of cardiolipins, mitochondria, and autophagy in the differentiation process activated by all-trans retinoic acid in acute promyelocytic leukemia. Cell Death and Disease, 2022, 13, 30.	6.3	3
110	The ATRA-21 gene-expression model predicts retinoid sensitivity in CEBPA double mutant, t(8;21) and inv(16) AML patients. Blood Cancer Journal, 2019, 9, 76.	6.2	2
111	Distribution of some disulfhydryl-containing chelating agents labeled with indium-113m and gallium-67 in mice.. Chemical and Pharmaceutical Bulletin, 1979, 27, 279-286.	1.3	0
112	MOUSE XANTHINE DEHYDROGENASE GENE: STRUCTURE AND REGULATION IN THE MAMMARY GLAND MYOEPITHELIAL CELL. Biochemical Society Transactions, 1997, 25, 515S-515S.	3.4	0