

Enrico Garattini

List of Publications by Year in descending order

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162
papers

6,206
citations

44066

48
h-index

91872

69
g-index

166
all docs

166
docs citations

166
times ranked

4930
citing authors

#	ARTICLE	IF	CITATIONS
1	Mammalian molybdo-flavoenzymes, an expanding family of proteins: structure, genetics, regulation, function and pathophysiology. <i>Biochemical Journal</i> , 2003, 372, 15-32.	3.7	221
2	Mammalian aldehyde oxidases: genetics, evolution and biochemistry. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 1019-1048.	5.4	164
3	The role of aldehyde oxidase in drug metabolism. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2012, 8, 487-503.	3.3	147
4	Cloning and sequencing of human intestinal alkaline phosphatase cDNA.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987, 84, 695-698.	7.1	142
5	Phosphorylation by p38MAPK and recruitment of SUG-1 are required for RA-induced RARgamma degradation and transactivation. <i>EMBO Journal</i> , 2002, 21, 3760-3769.	7.8	136
6	Molecular cloning of a cDNA coding for mouse liver xanthine dehydrogenase. Regulation of its transcript by interferons in vivo. <i>Biochemical Journal</i> , 1992, 283, 863-870.	3.7	130
7	Cancer Procoagulant and Tissue Factor Are Differently Modulated by All-trans-Retinoic Acid in Acute Promyelocytic Leukemia Cells. <i>Blood</i> , 1998, 92, 143-151.	1.4	117
8	Retinoids and breast cancer: From basic studies to the clinic and back again. <i>Cancer Treatment Reviews</i> , 2014, 40, 739-749.	7.7	113
9	Stat1 Is Induced and Activated by All-Trans Retinoic Acid in Acute Promyelocytic Leukemia Cells. <i>Blood</i> , 1997, 89, 1001-1012.	1.4	111
10	Increasing recognition of the importance of aldehyde oxidase in drug development and discovery. <i>Drug Metabolism Reviews</i> , 2011, 43, 374-386.	3.6	99
11	The mammalian aldehyde oxidase gene family. <i>Human Genomics</i> , 2009, 4, 119-30.	2.9	98
12	Purification, cDNA Cloning, and Tissue Distribution of Bovine Liver Aldehyde Oxidase. <i>Journal of Biological Chemistry</i> , 1995, 270, 31037-31045.	3.4	96
13	Structure and function of mammalian aldehyde oxidases. <i>Archives of Toxicology</i> , 2016, 90, 753-780.	4.2	95
14	The Impact of Single Nucleotide Polymorphisms on Human Aldehyde Oxidase. <i>Drug Metabolism and Disposition</i> , 2012, 40, 856-864.	3.3	88
15	Retinoid-dependent growth inhibition, differentiation and apoptosis in acute promyelocytic leukemia cells. Expression and activation of caspases. <i>Cell Death and Differentiation</i> , 2000, 7, 447-460.	11.2	84
16	The First Mammalian Aldehyde Oxidase Crystal Structure. <i>Journal of Biological Chemistry</i> , 2012, 287, 40690-40702.	3.4	83
17	Induction of miR-21 by Retinoic Acid in Estrogen Receptor-positive Breast Carcinoma Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 4027-4042.	3.4	82
18	P38MAPK-dependent phosphorylation and degradation of SRC-3/AIB1 and RAR α -mediated transcription. <i>EMBO Journal</i> , 2006, 25, 739-751.	7.8	81

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19	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. <i>Blood</i> , 1999, 93, 1045-1061.	1.4	79
20	Tissue- and cell-specific expression of mouse xanthine oxidoreductase gene <i>in vivo</i> : regulation by bacterial lipopolysaccharide. <i>Biochemical Journal</i> , 1995, 306, 225-234.	3.7	77
21	Antiproliferative and Differentiating Activities of a Novel Series of Histone Deacetylase Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2010, 1, 411-415.	2.8	73
22	Retinoic acid and granulocyte colony-stimulating factor synergistically induce leukocyte alkaline phosphatase in acute promyelocytic leukemia cells. <i>Blood</i> , 1994, 83, 1909-1921.	1.4	72
23	Isolation and characterization of the mouse liver/bone/kidney-type alkaline phosphatase gene. <i>Biochemical Journal</i> , 1990, 268, 641-648.	3.7	70
24	Axonal-SMN (a-SMN), a protein isoform of the survival motor neuron gene, is specifically involved in axonogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1959-1964.	7.1	70
25	AM580, a stable benzoic derivative of retinoic acid, has powerful and selective cyto-differentiating effects on acute promyelocytic leukemia cells. <i>Blood</i> , 1996, 87, 1520-1531.	1.4	69
26	Retinoids as Differentiating Agents in Oncology: A Network of Interactions with Intracellular Pathways as the Basis for Rational Therapeutic Combinations. <i>Current Pharmaceutical Design</i> , 2007, 13, 1375-1400.	1.9	68
27	ST1926, a novel and orally active retinoid-related molecule inducing apoptosis in myeloid leukemia cells: modulation of intracellular calcium homeostasis. <i>Blood</i> , 2004, 103, 194-207.	1.4	67
28	Tyrosine kinase inhibitor ST1571 potentiates the pharmacologic activity of retinoic acid in acute promyelocytic leukemia cells: effects on the degradation of RAR β and PML-RAR β . <i>Blood</i> , 2001, 97, 3234-3243.	1.4	61
29	Retinoid Related Molecules an Emerging Class of Apoptotic Agents with Promising Therapeutic Potential in Oncology: Pharmacological Activity and Mechanisms of Action. <i>Current Pharmaceutical Design</i> , 2004, 10, 433-448.	1.9	61
30	Cloning of the cDNAs Coding for Two Novel Molybdo-flavoproteins Showing High Similarity with Aldehyde Oxidase and Xanthine Oxidoreductase. <i>Journal of Biological Chemistry</i> , 2000, 275, 30690-30700.	3.4	60
31	Aldehyde oxidase and its importance in novel drug discovery: present and future challenges. <i>Expert Opinion on Drug Discovery</i> , 2013, 8, 641-654.	5.0	60
32	Cellular and molecular determinants of all-trans retinoic acid sensitivity in breast cancer: Luminal phenotype and RAR β expression. <i>EMBO Molecular Medicine</i> , 2015, 7, 950-972.	6.9	60
33	Recombinant Human Cytidine Deaminase: Expression, Purification, and Characterization. <i>Protein Expression and Purification</i> , 1996, 8, 247-253.	1.3	59
34	Isolation and characterization of the human aldehyde oxidase gene: conservation of intron/exon boundaries with the xanthine oxidoreductase gene indicates a common origin. <i>Biochemical Journal</i> , 1998, 332, 383-393.	3.7	59
35	Interferons induce xanthine dehydrogenase gene expression in L929 cells. <i>Biochemical Journal</i> , 1992, 285, 1001-1008.	3.7	57
36	Expression of luteinizing hormone-releasing hormone mRNA in the human prostatic cancer cell line LNCaP. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1993, 76, 797-800.	3.6	57

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37	Inhibition of the Peptidyl-Prolyl-Isomerase Pin1 Enhances the Responses of Acute Myeloid Leukemia Cells to Retinoic Acid via Stabilization of RAR α and PML-RAR α . <i>Cancer Research</i> , 2009, 69, 1016-1026.	0.9	57
38	Molecular cloning of the cDNA coding for mouse aldehyde oxidase: tissue distribution and regulation in vivo by testosterone. <i>Biochemical Journal</i> , 1999, 341, 71-80.	3.7	56
39	The Aldehyde Oxidase Gene Cluster in Mice and Rats. <i>Journal of Biological Chemistry</i> , 2004, 279, 50482-50498.	3.4	56
40	Avian and Canine Aldehyde Oxidases. <i>Journal of Biological Chemistry</i> , 2006, 281, 19748-19761.	3.4	56
41	Chromosomal Mapping, Isolation, and Characterization of the Mouse Xanthine Dehydrogenase Gene. <i>Genomics</i> , 1994, 23, 390-402.	2.9	55
42	Role of the Molybdoflavoenzyme Aldehyde Oxidase Homolog 2 in the Biosynthesis of Retinoic Acid: Generation and Characterization of a Knockout Mouse. <i>Molecular and Cellular Biology</i> , 2009, 29, 357-377.	2.3	55
43	Induction of apoptosis and stress response in ovarian carcinoma cell lines treated with ST1926, an atypical retinoid. <i>Cell Death and Differentiation</i> , 2004, 11, 280-289.	11.2	54
44	BET proteins regulate homologous recombination-mediated DNA repair: BRCAness and implications for cancer therapy. <i>International Journal of Cancer</i> , 2019, 144, 755-766.	5.1	54
45	Structure and evolution of vertebrate aldehyde oxidases: from gene duplication to gene suppression. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 1807-1830.	5.4	53
46	Synergistic antitumor activity of lapatinib and retinoids on a novel subtype of breast cancer with coamplification of ERBB2 and RARA. <i>Oncogene</i> , 2012, 31, 3431-3443.	5.9	51
47	All-trans retinoic acid and cyclic adenosine monophosphate cooperate in the expression of leukocyte alkaline phosphatase in acute promyelocytic leukemia cells. <i>Blood</i> , 1995, 85, 3619-3635.	1.4	50
48	Down-regulation of the Phosphatidylinositol 3-Kinase/Akt Pathway Is Involved in Retinoic Acid-induced Phosphorylation, Degradation, and Transcriptional Activity of Retinoic Acid Receptor β 2. <i>Journal of Biological Chemistry</i> , 2002, 277, 24859-24862.	3.4	50
49	Expression of leukocyte alkaline phosphatase gene in normal and leukemic cells: regulation of the transcript by granulocyte colony-stimulating factor. <i>Blood</i> , 1990, 76, 2565-2571.	1.4	47
50	Expression of xanthine oxidoreductase in mouse mammary epithelium during pregnancy and lactation: regulation of gene expression by glucocorticoids and prolactin. <i>Biochemical Journal</i> , 1996, 319, 801-810.	3.7	44
51	All-trans-retinoic Acid Modulates the Plasticity and Inhibits the Motility of Breast Cancer Cells. <i>Journal of Biological Chemistry</i> , 2015, 290, 17690-17709.	3.4	44
52	Purification of the Aldehyde Oxidase Homolog 1 (AOH1) Protein and Cloning of the AOH1 and Aldehyde Oxidase Homolog 2 (AOH2) Genes. <i>Journal of Biological Chemistry</i> , 2001, 276, 46347-46363.	3.4	43
53	Cloning and sequencing of bovine kidney alkaline phosphatase cDNA. <i>Gene</i> , 1987, 59, 41-46.	2.2	42
54	Characterization of a second promoter for the mouse liver/bone/kidney-type alkaline phosphatase gene: Cell and tissue specific expression. <i>Biochemical and Biophysical Research Communications</i> , 1991, 179, 1352-1360.	2.1	42

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55	Effects of Synthetic Retinoids and Retinoic Acid Isomers on the Expression of Alkaline Phosphatase in F9 Teratocarcinoma Cells. <i>Biochemical and Biophysical Research Communications</i> , 1993, 196, 252-259.	2.1	40
56	The AF-1 and AF-2 Domains of RAR β 2 and RXR α Cooperate for Triggering the Transactivation and the Degradation of RAR β 2/RXR α Heterodimers. <i>Journal of Biological Chemistry</i> , 2003, 278, 34458-34466.	3.4	40
57	Site Directed Mutagenesis of Amino Acid Residues at the Active Site of Mouse Aldehyde Oxidase AOX1. <i>PLoS ONE</i> , 2009, 4, e5348.	2.5	40
58	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. <i>Blood</i> , 2000, 95, 2672-2682.	1.4	39
59	Regulation and Biochemistry of Mouse Molybdo-flavoenzymes. <i>Journal of Biological Chemistry</i> , 2004, 279, 8668-8683.	3.4	39
60	Antitumor Activity of the Retinoid-Related Molecules (E)-3-(4-Hydroxy-3-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 β 3 and Retinoid-Independent Pathways. <i>Molecular Pharmacology</i> , 2006, 70, 909-924.	2.3	39
61	Atypical retinoids ST1926 and CD437 are S-phase-specific agents causing DNA double-strand breaks: significance for the cytotoxic and antiproliferative activity. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 2941-2954.	4.1	39
62	Evolution, expression, and substrate specificities of aldehyde oxidase enzymes in eukaryotes. <i>Journal of Biological Chemistry</i> , 2020, 295, 5377-5389.	3.4	39
63	Differences in the expression of alkaline phosphatase mRNA in chronic myelogenous leukemia and paroxysmal nocturnal hemoglobinuria polymorphonuclear leukocytes. <i>Blood</i> , 1989, 73, 1113-1115.	1.4	38
64	Synthesis and Structure-Activity Relationships of a New Series of Retinoid-Related Biphenyl-4-ylacrylic Acids Endowed with Antiproliferative and Proapoptotic Activity. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 4931-4946.	6.4	37
65	Stat1 is induced and activated by all-trans retinoic acid in acute promyelocytic leukemia cells. <i>Blood</i> , 1997, 89, 1001-12.	1.4	37
66	Isolation and characterization of variant cDNAs encoding mouse tyrosinase. <i>Biochemical and Biophysical Research Communications</i> , 1989, 159, 848-853.	2.1	36
67	Phosphodiesterase IV Inhibition by Piclamilast Potentiates the Cytodifferentiating Action of Retinoids in Myeloid Leukemia Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 42026-42040.	3.4	35
68	The pathogenesis of molybdenum cofactor deficiency, its delay by maternal clearance, and its expression pattern in microarray analysis. <i>Molecular Genetics and Metabolism</i> , 2005, 85, 12-20.	1.1	33
69	Structural basis for the role of mammalian aldehyde oxidases in the metabolism of drugs and xenobiotics. <i>Current Opinion in Chemical Biology</i> , 2017, 37, 39-47.	6.1	33
70	Uncoupling FoxO3A mitochondrial and nuclear functions in cancer cells undergoing metabolic stress and chemotherapy. <i>Cell Death and Disease</i> , 2018, 9, 231.	6.3	33
71	MicroRNA networks regulated by all-trans retinoic acid and Lapatinib control the growth, survival and motility of breast cancer cells. <i>Oncotarget</i> , 2015, 6, 13176-13200.	1.8	33
72	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. <i>Blood</i> , 1999, 93, 1045-61.	1.4	32

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73	Identification of aldehyde oxidase 1 and aldehyde oxidase homologue 1 as dioxin-inducible genes. <i>Toxicology</i> , 2005, 207, 401-409.	4.2	31
74	Network-guided modeling allows tumor-type independent prediction of sensitivity to all-trans-retinoic acid. <i>Annals of Oncology</i> , 2017, 28, 611-621.	1.2	31
75	Retinoic acid induces liver/bone/kidney-type alkaline phosphatase gene expression in F9 teratocarcinoma cells. <i>Biochemical Journal</i> , 1991, 274, 673-678.	3.7	30
76	Molybdenum(VI) salts convert the xanthine oxidoreductase apoprotein into the active enzyme in mouse L929 fibroblastic cells*. <i>Biochemical Journal</i> , 1994, 298, 69-77.	3.7	30
77	Isolation and characterization of the gene coding for human cytidine deaminase. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1998, 1443, 323-333.	2.4	30
78	Bis-indols: a novel class of molecules enhancing the cytodifferentiating properties of retinoids in myeloid leukemia cells. <i>Blood</i> , 2002, 100, 3719-3730.	1.4	30
79	The xanthine oxidoreductase gene: structure and regulation. <i>Biochemical Society Transactions</i> , 1997, 25, 791-796.	3.4	29
80	Characterization and Crystallization of Mouse Aldehyde Oxidase 3: From Mouse Liver to <i>Escherichia coli</i> Heterologous Protein Expression. <i>Drug Metabolism and Disposition</i> , 2011, 39, 1939-1945.	3.3	29
81	Purification and characterization of mouse liver xanthine oxidase. <i>Archives of Biochemistry and Biophysics</i> , 1990, 279, 237-241.	3.0	28
82	The four aldehyde oxidases of <i>Drosophila melanogaster</i> have different gene expression patterns and enzyme substrate specificities. <i>Journal of Experimental Biology</i> , 2014, 217, 2201-11.	1.7	28
83	Human liver alkaline phosphatase, purification and partial sequencing: Homology with the placental isozyme. <i>Archives of Biochemistry and Biophysics</i> , 1986, 245, 331-337.	3.0	26
84	Retinoic acid and methylation cis-regulatory elements control the mouse tissue non-specific alkaline phosphatase gene expression. <i>Mechanisms of Development</i> , 1996, 57, 21-32.	1.7	26
85	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. <i>Journal of Biological Chemistry</i> , 2012, 287, 25782-25794.	3.4	26
86	Progesterone Induced Expression of Alkaline Phosphatase Is Associated with a Secretory Phenotype in T47D Breast Cancer Cells. <i>Biochemical and Biophysical Research Communications</i> , 1993, 192, 1066-1072.	2.1	25
87	OXER1 and RACK1-associated pathway: a promising drug target for breast cancer progression. <i>Oncogenesis</i> , 2020, 9, 105.	4.9	25
88	AM580, a stable benzoic derivative of retinoic acid, has powerful and selective cyto-differentiating effects on acute promyelocytic leukemia cells. <i>Blood</i> , 1996, 87, 1520-31.	1.4	25
89	Leukocyte Alkaline Phosphatase a Specific Marker for the Post-Mitotic Neutrophilic Granulocyte: Regulation in Acute Promyelocytic Leukemia. <i>Leukemia and Lymphoma</i> , 1996, 23, 493-503.	1.3	24
90	Cytodifferentiation by Retinoids, a Novel Therapeutic Option in Oncology: Rational Combinations with Other Therapeutic Agents. <i>Vitamins and Hormones</i> , 2007, 75, 301-354.	1.7	24

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91	p38 $\hat{\pm}$ MAPK interacts with and inhibits RAR $\hat{\pm}$: suppression of the kinase enhances the therapeutic activity of retinoids in acute myeloid leukemia cells. <i>Leukemia</i> , 2012, 26, 1850-1861.	7.2	24
92	Activation of RAR $\hat{\pm}$ induces autophagy in SKBR3 breast cancer cells and depletion of key autophagy genes enhances ATRA toxicity. <i>Cell Death and Disease</i> , 2015, 6, e1861-e1861.	6.3	24
93	Lipid-sensors, enigmatic-orphan and orphan nuclear receptors as therapeutic targets in breast-cancer. <i>Oncotarget</i> , 0, 7, 42661-42682.	1.8	24
94	HER2-positive breast-cancer cell lines are sensitive to KDM5 inhibition: definition of a gene-expression model for the selection of sensitive cases. <i>Oncogene</i> , 2019, 38, 2675-2689.	5.9	23
95	Human placental alkaline phosphatase in liver and intestine.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1985, 82, 6080-6084.	7.1	22
96	Interferons induce normal and aberrant retinoic-acid receptors type $\hat{\pm}$ in acute promyelocytic leukemia cells: Potentiation of the induction of retinoid-dependent differentiation markers. , 1996, 68, 75-83.		22
97	Selective localization of mouse aldehyde oxidase mRNA in the choroid plexus and motor neurons. <i>NeuroReport</i> , 1997, 8, 2343-2349.	1.2	22
98	Retinoic acid and cyclic AMP synergistically induce the expression of liver/bone/kidney-type alkaline phosphatase gene in L929 fibroblastic cells. <i>Biochemical Journal</i> , 1993, 296, 67-77.	3.7	21
99	Molecular cloning of the cDNA coding for mouse aldehyde oxidase: tissue distribution and regulation in vivo by testosterone. <i>Biochemical Journal</i> , 1999, 341, 71.	3.7	21
100	Inhibitory effects of drugs on the metabolic activity of mouse and human aldehyde oxidases and influence on drug $\hat{\pm}$ drug interactions. <i>Biochemical Pharmacology</i> , 2018, 154, 28-38.	4.4	21
101	Critical overview on the structure and metabolism of human aldehyde oxidase and its role in pharmacokinetics. <i>Coordination Chemistry Reviews</i> , 2018, 368, 35-59.	18.8	21
102	Improved gas chromatographic method for measuring phenylethylene glycol. <i>Journal of Chromatography A</i> , 1980, 188, 400-404.	3.7	20
103	Effects of 1,25-Dihydroxy Vitamin D3 on All-Trans Retinoic Acid Sensitive and Resistant Acute Promyelocytic Leukemia Cells. <i>Biochemical and Biophysical Research Communications</i> , 1996, 224, 50-56.	2.1	20
104	Inhibition of melanogenesis by BMY-28565, a novel compound depressing tyrosinase activity in B16 melanoma cells. <i>Biochemical Pharmacology</i> , 1992, 43, 183-189.	4.4	19
105	3T3 NIH murine fibroblasts and B78 murine melanoma cells expressing the Escherichia coli N3-methyladenine-DNA glycosylase I do not become resistant to alkylating agents. <i>Carcinogenesis</i> , 1994, 15, 533-537.	2.8	19
106	Insights into the structural determinants of substrate specificity and activity in mouse aldehyde oxidases. <i>Journal of Biological Inorganic Chemistry</i> , 2015, 20, 209-217.	2.6	19
107	SUG-1 Plays Proteolytic and Non-proteolytic Roles in the Control of Retinoic Acid Target Genes via Its Interaction with SRC-3. <i>Journal of Biological Chemistry</i> , 2009, 284, 8127-8135.	3.4	18
108	Retinoids and breast cancer: new clues to increase their activity and selectivity. <i>Breast Cancer Research</i> , 2012, 14, 111.	5.0	18

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109	S100A3 a partner protein regulating the stability/activity of RAR α and PML-RAR α in cellular models of breast/lung cancer and acute myeloid leukemia. <i>Oncogene</i> , 2019, 38, 2482-2500.	5.9	18
110	Effects of dexamethasone on pro-inflammatory cytokine expression, cell growth and maturation during granulocytic differentiation of acute promyelocytic leukemia cells. <i>European Cytokine Network</i> , 1995, 6, 157-65.	2.0	18
111	Leucocyte alkaline phosphatase identifies terminally differentiated normal neutrophils and its lack in chronic myelogenous leukaemia is not dependent on p210 tyrosine kinase activity. <i>British Journal of Haematology</i> , 1999, 105, 163-172.	2.5	16
112	Purification and partial sequencing of bovine liver alkaline phosphatase. <i>Archives of Biochemistry and Biophysics</i> , 1985, 241, 380-385.	3.0	15
113	Flow cytometry of leucocyte alkaline phosphatase in normal and pathologic leucocytes. <i>British Journal of Haematology</i> , 1997, 96, 815-822.	2.5	15
114	The mouse aldehyde oxidase gene: molecular cloning, chromosomal mapping and functional characterization of the 5' flanking region. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1999, 1489, 207-222.	2.4	15
115	Mouse aldehyde-oxidase-4 controls diurnal rhythms, fat deposition and locomotor activity. <i>Scientific Reports</i> , 2016, 6, 30343.	3.3	15
116	The autophagy scaffold protein ALFY is critical for the granulocytic differentiation of AML cells. <i>Scientific Reports</i> , 2017, 7, 12980.	3.3	15
117	Direct Comparison of the Enzymatic Characteristics and Superoxide Production of the Four Aldehyde Oxidase Enzymes Present in Mouse. <i>Drug Metabolism and Disposition</i> , 2017, 45, 947-955.	3.3	15
118	All-Trans Retinoic Acid Stimulates Viral Mimicry, Interferon Responses and Antigen Presentation in Breast-Cancer Cells. <i>Cancers</i> , 2020, 12, 1169.	3.7	15
119	Distribution, metabolism, and irreversible binding of hexamethylmelamine in mice bearing ovarian carcinoma. <i>Cancer Chemotherapy and Pharmacology</i> , 1983, 11, 51-5.	2.3	14
120	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. <i>Biochemical and Biophysical Research Communications</i> , 1995, 208, 846-854.	2.1	14
121	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. <i>European Journal of Cancer</i> , 2013, 49, 1491-1500.	2.8	14
122	Retinoic acid and granulocyte colony-stimulating factor synergistically induce leukocyte alkaline phosphatase in acute promyelocytic leukemia cells. <i>Blood</i> , 1994, 83, 1909-21.	1.4	14
123	In vivo and in vitro irreversible binding of hexamethylmelamine to liver and ovarian tumor macromolecules of mice. <i>Biochemical Pharmacology</i> , 1981, 30, 1151-1154.	4.4	13
124	Cross-talk Between Retinoic Acid and Interferons: Molecular Mechanisms of Interaction in Acute Promyelocytic Leukemia Cells. <i>Leukemia and Lymphoma</i> , 1998, 30, 467-476.	1.3	13
125	Assignment of the Human Cytidine Deaminase (CDA) Gene to Chromosome 1 Band p35-p36.2. <i>Genomics</i> , 1994, 22, 661-662.	2.9	12
126	Spinal muscular atrophy pathogenic mutations impair the axonogenic properties of axonal survival of motor neuron. <i>Journal of Neurochemistry</i> , 2012, 121, 465-474.	3.9	12

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127	Molecular cloning of the cDNA coding for mouse aldehyde oxidase: tissue distribution and regulation in vivo by testosterone. <i>Biochemical Journal</i> , 1999, 341 (Pt 1), 71-80.	3.7	12
128	Expression of leukocyte alkaline phosphatase gene in normal and leukemic cells: regulation of the transcript by granulocyte colony-stimulating factor. <i>Blood</i> , 1990, 76, 2565-71.	1.4	12
129	Nuclear metabolism. I. Determination of styrene monooxygenase activity in rat liver nuclei. <i>Chemico-Biological Interactions</i> , 1980, 29, 189-195.	4.0	11
130	Nuclear metabolism. II. Further studies on epoxide hydrolase activity. <i>Chemico-Biological Interactions</i> , 1981, 35, 311-318.	4.0	11
131	Role of mitochondria and cardiolipins in growth inhibition of breast cancer cells by retinoic acid. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 436.	8.6	11
132	Aldehyde oxidase at the crossroad of metabolism and preclinical screening. <i>Drug Metabolism Reviews</i> , 2019, 51, 428-452.	3.6	11
133	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. <i>Blood</i> , 1999, 93, 1045-1061.	1.4	11
134	Different Stability and Proteasome-Mediated Degradation Rate of SMN Protein Isoforms. <i>PLoS ONE</i> , 2015, 10, e0134163.	2.5	11
135	All-trans retinoic acid and cyclic adenosine monophosphate cooperate in the expression of leukocyte alkaline phosphatase in acute promyelocytic leukemia cells. <i>Blood</i> , 1995, 85, 3619-35.	1.4	11
136	Retinoic Acid Sensitivity of Triple-Negative Breast Cancer Cells Characterized by Constitutive Activation of the notch1 Pathway: The Role of Rar β . <i>Cancers</i> , 2020, 12, 3027.	3.7	10
137	Is nuclear styrene monooxygenase activity a microsomal artifact?. <i>Chemico-Biological Interactions</i> , 1980, 31, 341-346.	4.0	9
138	Atypical Retinoids: An Expanding Series of Anti-Leukemia and Anti-Cancer Agents Endowed with Selective Apoptotic Activity. <i>Journal of Chemotherapy</i> , 2004, 16, 70-73.	1.5	9
139	Cytodifferentiation: a novel approach to cancer treatment and prevention. <i>Current Opinion in Pharmacology</i> , 2001, 1, 358-363.	3.5	8
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