

Enrico Garattini

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161
papers

5,457
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46
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64
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166
ext. papers

5,785
ext. citations

5
avg, IF

5.22
L-index

#	Paper	IF	Citations
161	Mammalian molybdo-flavoenzymes, an expanding family of proteins: structure, genetics, regulation, function and pathophysiology. <i>Biochemical Journal</i> , 2003 , 372, 15-32	3.8	194
160	Mammalian aldehyde oxidases: genetics, evolution and biochemistry. <i>Cellular and Molecular Life Sciences</i> , 2008 , 65, 1019-48	10.3	154
159	The role of aldehyde oxidase in drug metabolism. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2012 , 8, 487-503	5.5	131
158	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, 695-8	11.5	130
157	Phosphorylation by p38MAPK and recruitment of SUG-1 are required for RA-induced RAR gamma degradation and transactivation. <i>EMBO Journal</i> , 2002 , 21, 3760-9	13	122
156	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 (Pt 3), 863-70	3.8	119
155	Stat1 Is Induced and Activated by All-Trans Retinoic Acid in Acute Promyelocytic Leukemia Cells. <i>Blood</i> , 1997 , 89, 1001-1012	2.2	104
154	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	2.2	99
153	Retinoids and breast cancer: from basic studies to the clinic and back again. <i>Cancer Treatment Reviews</i> , 2014 , 40, 739-49	14.4	95
152	Increasing recognition of the importance of aldehyde oxidase in drug development and discovery. <i>Drug Metabolism Reviews</i> , 2011 , 43, 374-86	7	95
151	Purification, cDNA cloning, and tissue distribution of bovine liver aldehyde oxidase. <i>Journal of Biological Chemistry</i> , 1995 , 270, 31037-45	5.4	92
150	The mammalian aldehyde oxidase gene family. <i>Human Genomics</i> , 2009 , 4, 119-30	6.8	86
149	The first mammalian aldehyde oxidase crystal structure: insights into substrate specificity. <i>Journal of Biological Chemistry</i> , 2012 , 287, 40690-702	5.4	79
148	The impact of single nucleotide polymorphisms on human aldehyde oxidase. <i>Drug Metabolism and Disposition</i> , 2012 , 40, 856-64	4	77
147	P38MAPK-dependent phosphorylation and degradation of SRC-3/AIB1 and RARalpha-mediated transcription. <i>EMBO Journal</i> , 2006 , 25, 739-51	13	76
146	Induction of miR-21 by retinoic acid in estrogen receptor-positive breast carcinoma cells: biological correlates and molecular targets. <i>Journal of Biological Chemistry</i> , 2011 , 286, 4027-42	5.4	75
145	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	2.2	75

144	Structure and function of mammalian aldehyde oxidases. <i>Archives of Toxicology</i> , 2016 , 90, 753-80	5.8	74
143	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, 447-60	12.7	73
142	Tissue- and cell-specific expression of mouse xanthine oxidoreductase gene in vivo: regulation by bacterial lipopolysaccharide. <i>Biochemical Journal</i> , 1995 , 306 (Pt 1), 225-34	3.8	72
141	Retinoic acid and granulocyte colony-stimulating factor synergistically induce leukocyte alkaline phosphatase in acute promyelocytic leukemia cells. <i>Blood</i> , 1994 , 83, 1909-1921	2.2	70
140	Antiproliferative and differentiating activities of a novel series of histone deacetylase inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2010 , 1, 411-5	4.3	68
139	Isolation and characterization of the mouse liver/bone/kidney-type alkaline phosphatase gene. <i>Biochemical Journal</i> , 1990 , 268, 641-8	3.8	65
138	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	2.2	64
137	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	2.2	63
136	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, 1375-400	3.3	59
135	Tyrosine kinase inhibitor STI571 potentiates the pharmacologic activity of retinoic acid in acute promyelocytic leukemia cells: effects on the degradation of RARalpha and PML-RARalpha. <i>Blood</i> , 2001 , 97, 3234-43	2.2	59
134	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, 1959-64	11.5	57
133	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, 433-48	3.3	57
132	Aldehyde oxidase and its importance in novel drug discovery: present and future challenges. <i>Expert Opinion on Drug Discovery</i> , 2013 , 8, 641-54	6.2	56
131	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 (Pt 2), 383-93	3.8	56
130	Interferons induce xanthine dehydrogenase gene expression in L929 cells. <i>Biochemical Journal</i> , 1992 , 285 (Pt 3), 1001-8	3.8	56
129	The aldehyde oxidase gene cluster in mice and rats. Aldehyde oxidase homologue 3, a novel member of the molybdo-flavoenzyme family with selective expression in the olfactory mucosa. <i>Journal of Biological Chemistry</i> , 2004 , 279, 50482-98	5.4	55
128	Recombinant human cytidine deaminase: expression, purification, and characterization. <i>Protein Expression and Purification</i> , 1996 , 8, 247-53	2	55
127	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, 30690-700	5.4	54

126	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	3.8	53
125	Inhibition of the peptidyl-prolyl-isomerase Pin1 enhances the responses of acute myeloid leukemia cells to retinoic acid via stabilization of RARalpha and PML-RARalpha. <i>Cancer Research</i> , 2009 , 69, 1016-26 ^{10.1}		52
124	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, 357-77	4.8	52
123	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, 280-9	12.7	52
122	Avian and canine aldehyde oxidases. Novel insights into the biology and evolution of molybdo-flavoenzymes. <i>Journal of Biological Chemistry</i> , 2006 , 281, 19748-61	5.4	50
121	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	2.2	49
120	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	5.6	48
119	Chromosomal mapping, isolation, and characterization of the mouse xanthine dehydrogenase gene. <i>Genomics</i> , 1994 , 23, 390-402	4.3	48
118	Structure and evolution of vertebrate aldehyde oxidases: from gene duplication to gene suppression. <i>Cellular and Molecular Life Sciences</i> , 2013 , 70, 1807-30	10.3	46
117	Cellular and molecular determinants of all-trans retinoic acid sensitivity in breast cancer: Luminal phenotype and RAR expression. <i>EMBO Molecular Medicine</i> , 2015 , 7, 950-72	12	46
116	Down-regulation of the phosphatidylinositol 3-kinase/Akt pathway is involved in retinoic acid-induced phosphorylation, degradation, and transcriptional activity of retinoic acid receptor gamma 2. <i>Journal of Biological Chemistry</i> , 2002 , 277, 24859-62	5.4	46
115	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, 3431-43	9.2	44
114	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 (Pt 3), 801-10	3.8	44
113	Purification of the aldehyde oxidase homolog 1 (AOH1) protein and cloning of the AOH1 and aldehyde oxidase homolog 2 (AOH2) genes. Identification of a novel molybdo-flavoprotein gene cluster on mouse chromosome 1. <i>Journal of Biological Chemistry</i> , 2001 , 276, 46347-63	5.4	42
112	Site directed mutagenesis of amino acid residues at the active site of mouse aldehyde oxidase AOX1. <i>PLoS ONE</i> , 2009 , 4, e5348	3.7	40
111	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, 252-9	3.4	39
110	Regulation and biochemistry of mouse molybdo-flavoenzymes. The DBA/2 mouse is selectively deficient in the expression of aldehyde oxidase homologues 1 and 2 and represents a unique source for the purification and characterization of aldehyde oxidase. <i>Journal of Biological Chemistry</i> , 2004 , 279, 8668-83	5.4	38
109	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	2.2	38

108	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, 2941-54	6.1	37
107	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: 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, 1352-60	4.3	37
106	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, 4931-46	3.4	37
105	The AF-1 and AF-2 domains of RAR gamma 2 and RXR alpha cooperate for triggering the transactivation and the degradation of RAR gamma 2/RXR alpha heterodimers. <i>Journal of Biological Chemistry</i> , 2003 , 278, 34458-66	8.3	36
104	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	5.4	36
103	BET proteins regulate homologous recombination-mediated DNA repair: BRCAness and implications for cancer therapy. <i>International Journal of Cancer</i> , 2019 , 144, 755-766	2.2	36
102	All-trans-retinoic Acid Modulates the Plasticity and Inhibits the Motility of Breast Cancer Cells: ROLE OF NOTCH1 AND TRANSFORMING GROWTH FACTOR (TGF β). <i>Journal of Biological Chemistry</i> , 2015 , 290, 17690-17709	7.5	36
101	Phosphodiesterase IV inhibition by piclamilast potentiates the cytodifferentiating action of retinoids in myeloid leukemia cells. Cross-talk between the cAMP and the retinoic acid signaling pathways. <i>Journal of Biological Chemistry</i> , 2004 , 279, 42026-40	5.4	33
100	Cloning and sequencing of bovine kidney alkaline phosphatase cDNA. <i>Gene</i> , 1987 , 59, 41-6	5.4	33
99	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	3.8	33
98	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	2.2	33
97	Identification of aldehyde oxidase 1 and aldehyde oxidase homologue 1 as dioxin-inducible genes. <i>Toxicology</i> , 2005 , 207, 401-9	3.7	32
96	Molybdenum(VI) salts convert the xanthine oxidoreductase apoprotein into the active enzyme in mouse L929 fibroblastic cells. <i>Biochemical Journal</i> , 1994 , 298 (Pt 1), 69-77	4.4	30
95	Bis-indols: a novel class of molecules enhancing the cytodifferentiating properties of retinoids in myeloid leukemia cells. <i>Blood</i> , 2002 , 100, 3719-30	3.8	30
94	Isolation and characterization of variant cDNAs encoding mouse tyrosinase. <i>Biochemical and Biophysical Research Communications</i> , 1989 , 159, 848-53	2.2	29
93	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, 13176-200	3.4	29
92	Characterization and crystallization of mouse aldehyde oxidase 3: from mouse liver to Escherichia coli heterologous protein expression. <i>Drug Metabolism and Disposition</i> , 2011 , 39, 1939-45	3.3	29
91		4	28

90	Retinoic acid induces liver/bone/kidney-type alkaline phosphatase gene expression in F9 teratocarcinoma cells. <i>Biochemical Journal</i> , 1991 , 274 (Pt 3), 673-8	3.8	27
89	The xanthine oxidoreductase gene: structure and regulation. <i>Biochemical Society Transactions</i> , 1997 , 25, 791-6	5.1	26
88	Uncoupling FoxO3A mitochondrial and nuclear functions in cancer cells undergoing metabolic stress and chemotherapy. <i>Cell Death and Disease</i> , 2018 , 9, 231	9.8	25
87	Isolation and characterization of the gene coding for human cytidine deaminase. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1998 , 1443, 323-33		25
86	Purification and characterization of mouse liver xanthine oxidase. <i>Archives of Biochemistry and Biophysics</i> , 1990 , 279, 237-41	4.1	25
85	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	24
84	Human liver alkaline phosphatase, purification and partial sequencing: homology with the placental isozyme. <i>Archives of Biochemistry and Biophysics</i> , 1986 , 245, 331-7	4.1	24
83	Stat1 is induced and activated by all-trans retinoic acid in acute promyelocytic leukemia cells. <i>Blood</i> , 1997 , 89, 1001-12	2.2	24
82	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	9.7	23
81	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	3	23
80	p38 ^{MAPK} interacts with and inhibits RAR α suppression of the kinase enhances the therapeutic activity of retinoids in acute myeloid leukemia cells. <i>Leukemia</i> , 2012 , 26, 1850-61	10.7	23
79	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	1.9	22
78	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, 1066-72	3.4	22
77	Selective localization of mouse aldehyde oxidase mRNA in the choroid plexus and motor neurons. <i>NeuroReport</i> , 1997 , 8, 2343-9	1.7	21
76	Evolution, expression, and substrate specificities of aldehyde oxidase enzymes in eukaryotes. <i>Journal of Biological Chemistry</i> , 2020 , 295, 5377-5389	5.4	20
75	Human axonal survival of motor neuron (α -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, 25782-94	5.4	20
74	Cytodifferentiation by retinoids, a novel therapeutic option in oncology: rational combinations with other therapeutic agents. <i>Vitamins and Hormones</i> , 2007 , 75, 301-54	2.5	20
73	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	3.8	20

72	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, 50-6	3.4	20
71	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 (Pt 1), 67-77	3.8	20
70	Network-guided modeling allows tumor-type independent prediction of sensitivity to all-trans-retinoic acid. <i>Annals of Oncology</i> , 2017 , 28, 611-621	10.3	19
69	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, 6080-4	11.5	19
68	Activation of RAR β 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	9.8	18
67	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, 533-7	4.6	18
66	Improved gas chromatographic method for measuring phenylethylene glycol: application to the determination of styrene monooxygenase and epoxide hydrase activities. <i>Journal of Chromatography A</i> , 1980 , 188, 400-4	4.5	18
65	Lipid-sensors, enigmatic-orphan and orphan nuclear receptors as therapeutic targets in breast-cancer. <i>Oncotarget</i> , 2016 , 7, 42661-42682	3.3	18
64	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	3.3	18
63	Insights into the structural determinants of substrate specificity and activity in mouse aldehyde oxidases. <i>Journal of Biological Inorganic Chemistry</i> , 2015 , 20, 209-17	3.7	17
62	Interferons induce normal and aberrant retinoic-acid receptors type alpha in acute promyelocytic leukemia cells: potentiation of the induction of retinoid-dependent differentiation markers. <i>International Journal of Cancer</i> , 1996 , 68, 75-83	7.5	17
61	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	2.2	17
60	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	2.2	17
59	Inhibitory effects of drugs on the metabolic activity of mouse and human aldehyde oxidases and influence on drug-drug interactions. <i>Biochemical Pharmacology</i> , 2018 , 154, 28-38	6	16
58	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	23.2	16
57	Flow cytometry of leucocyte alkaline phosphatase in normal and pathologic leucocytes. <i>British Journal of Haematology</i> , 1997 , 96, 815-22	4.5	15
56	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	4.5	15
55	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, 8127-35	5.4	14

54	Mouse aldehyde-oxidase-4 controls diurnal rhythms, fat deposition and locomotor activity. <i>Scientific Reports</i> , 2016 , 6, 30343	4.9	14
53	The autophagy scaffold protein ALFY is critical for the granulocytic differentiation of AML cells. <i>Scientific Reports</i> , 2017 , 7, 12980	4.9	13
52	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, 1491-500	7.5	13
51	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, 207-22		13
50	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, 846-54	3.4	13
49	Inhibition of melanogenesis by BMY-28565, a novel compound depressing tyrosinase activity in B16 melanoma cells. <i>Biochemical Pharmacology</i> , 1992 , 43, 183-9	6	13
48	In vivo and in vitro irreversible binding of hexamethylmelamine to liver and ovarian tumor macromolecules of mice. <i>Biochemical Pharmacology</i> , 1981 , 30, 1151-4	6	13
47	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	9.2	13
46	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	9.2	13
45	Cross-talk between retinoic acid and interferons: molecular mechanisms of interaction in acute promyelocytic leukemia cells. <i>Leukemia and Lymphoma</i> , 1998 , 30, 467-75	1.9	12
44	Purification and partial sequencing of bovine liver alkaline phosphatase. <i>Archives of Biochemistry and Biophysics</i> , 1985 , 241, 380-5	4.1	12
43	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	3.8	12
42	Assignment of the human cytidine deaminase (CDA) gene to chromosome 1 band p35-p36.2. <i>Genomics</i> , 1994 , 22, 661-2	4.3	11
41	Distribution, metabolism, and irreversible binding of hexamethylmelamine in mice bearing ovarian carcinoma. <i>Cancer Chemotherapy and Pharmacology</i> , 1983 , 11, 51-5	3.5	11
40	Nuclear metabolism. I. Determination of styrene monooxygenase activity in rat liver nuclei. <i>Chemico-Biological Interactions</i> , 1980 , 29, 189-95	5	11
39	Nuclear metabolism. II. Further studies on epoxide hydrolase activity. <i>Chemico-Biological Interactions</i> , 1981 , 35, 311-8	5	11
38	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	4	11
37	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	2.2	11

36	Spinal muscular atrophy pathogenic mutations impair the axonogenic properties of axonal-survival of motor neuron. <i>Journal of Neurochemistry</i> , 2012 , 121, 465-74	6	10
35	Is nuclear styrene monooxygenase activity a microsomal artifact?. <i>Chemico-Biological Interactions</i> , 1980 , 31, 341-6	5	9
34	OXER1 and RACK1-associated pathway: a promising drug target for breast cancer progression. <i>Oncogenesis</i> , 2020 , 9, 105	6.6	8
33	Cytodifferentiation: a novel approach to cancer treatment and prevention. <i>Current Opinion in Pharmacology</i> , 2001 , 1, 358-63	5.1	8
32	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	2.2	8
31	All-Trans Retinoic Acid Stimulates Viral Mimicry, Interferon Responses and Antigen Presentation in Breast-Cancer Cells. <i>Cancers</i> , 2020 , 12,	6.6	8
30	Aldehyde oxidase at the crossroad of metabolism and preclinical screening. <i>Drug Metabolism Reviews</i> , 2019 , 51, 428-452	7	7
29	Atypical retinoids: an expanding series of anti-leukemia and anti-cancer agents endowed with selective apoptotic activity. <i>Journal of Chemotherapy</i> , 2004 , 16 Suppl 4, 70-3	2.3	7
28	Retinoic acid and granulocyte colony-stimulating factor synergistically induce leukocyte alkaline phosphatase in acute promyelocytic leukemia cells. <i>Blood</i> , 1994 , 83, 1909-21	2.2	7
27	Different Stability and Proteasome-Mediated Degradation Rate of SMN Protein Isoforms. <i>PLoS ONE</i> , 2015 , 10, e0134163	3.7	7
26	RAR α and PML-RAR similarities in the control of basal and retinoic acid induced myeloid maturation of acute myeloid leukemia cells. <i>Oncotarget</i> , 2017 , 8, 37041-37060	3.3	7
25	Generation of a new mouse model of glaucoma characterized by reduced expression of the AP-2 α and AP-2 β proteins. <i>Scientific Reports</i> , 2017 , 7, 11140	4.9	6
24	Intact rat liver nuclei catalyze adriamycin irreversible interactions with DNA and nuclear proteins. <i>Toxicology Letters</i> , 1983 , 17, 343-8	4.4	6
23	Perinatal development of cytochrome P-450, cytochrome C reductase, aryl hydrocarbon hydroxylase, styrene monooxygenase, and styrene epoxide hydrolase in rabbit liver microsomes and nuclei. <i>Developmental Pharmacology and Therapeutics</i> , 1985 , 8, 232-42		6
22	Retinoic Acid Sensitivity of Triple-Negative Breast Cancer Cells Characterized by Constitutive Activation of the notch1 Pathway: The Role of Rar α . <i>Cancers</i> , 2020 , 12,	6.6	5
21	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	12.8	5
20	Regulation of the 202 gene expression by interferons in L929 cells. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 187, 628-34	3.4	5
19	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	2.2	5

18	Massive NGS data analysis reveals hundreds of potential novel gene fusions in human cell lines. <i>GigaScience</i> , 2018 , 7,	7.6	4
17	Assessing Autophagy During Retinoid Treatment of Breast Cancer Cells. <i>Methods in Molecular Biology</i> , 2019 , 2019, 237-256	1.4	4
16	Expression of E. coli tag gene encoding 3-methyladenine glycosylase I in NIH-3T3 murine fibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 185, 41-6	3.4	4
15	Granulocytic maturation in cultures of acute myeloid leukemia is not always accompanied by increased apoptosis. <i>Leukemia Research</i> , 2006 , 30, 519-20	2.7	3
14	Determination of the retinobenzoic acid derivative Am580 in rat plasma by high-performance liquid chromatography. <i>Biomedical Applications</i> , 1995 , 667, 301-6		3
13	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	2.2	3
12	Association of CFHR1 homozygous deletion with acute myelogenous leukemia in the European population. <i>Leukemia and Lymphoma</i> , 2016 , 57, 1234-7	1.9	2
11	The ATRA-21 gene-expression model predicts retinoid sensitivity in CEBPA double mutant, t(8;21) and inv(16) AML patients. <i>Blood Cancer Journal</i> , 2019 , 9, 76	7	2
10	Is bad luck an important determinant of cancer incidence and does this concept apply to kidney tumors?. <i>Nephron</i> , 2015 , 129, 219-22	3.3	2
9	Biochemical studies on the ability of pentamethylmelamine to interact in vivo with DNA and proteins in a sensitive murine ovarian reticular cell sarcoma. <i>Biochemical Pharmacology</i> , 1984 , 33, 2715-22	6	2
8	Induction of nuclear styrene monooxygenase and epoxide hydrolase in rat liver. <i>Experientia</i> , 1981 , 37, 230-1		2
7	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, 163-72	4.5	2
6	Role of cardiolipins, mitochondria, and autophagy in the differentiation process activated by all-trans retinoic acid in acute promyelocytic leukemia.. <i>Cell Death and Disease</i> , 2022 , 13, 30	9.8	1
5	A 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. <i>Cancers</i> , 2021 , 13,	6.6	1
4	Xanthine Oxidoreductase and Aldehyde Oxidases 2018 , 208-232		1
3	Involvement of aldehyde oxidase in the metabolism of aromatic and aliphatic aldehyde-odorants in the mouse olfactory epithelium. <i>Archives of Biochemistry and Biophysics</i> , 2021 , 715, 109099	4.1	0
2	Molecular mechanisms of retinoid action in acute promyelocytic leukemia (Review). <i>International Journal of Oncology</i> , 1997 , 11, 397-414	1	
1	Flow Cytometry of Leukocyte Alkaline Phosphatase in Human Hematopoietic Cells. <i>Hamatologie Und Bluttransfusion</i> , 1998 , 62-67		

