

Elvira Pelosi

List of Publications by Year in descending order

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101
papers

6,155
citations

81743

39
h-index

71532

76
g-index

101
all docs

101
docs citations

101
times ranked

9709
citing authors

#	ARTICLE	IF	CITATIONS
1	MicroRNAs 221 and 222 inhibit normal erythropoiesis and erythroleukemic cell growth via kit receptor down-modulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 18081-18086.	3.3	747
2	KDR Receptor: A Key Marker Defining Hematopoietic Stem Cells. <i>Science</i> , 1999, 285, 1553-1558.	6.0	449
3	MicroRNAs 17-5p and miR-106a control monocytopoiesis through AML1 targeting and M-CSF receptor upregulation. <i>Nature Cell Biology</i> , 2007, 9, 775-787.	4.6	413
4	Lung Cancers: Molecular Characterization, Clonal Heterogeneity and Evolution, and Cancer Stem Cells. <i>Cancers</i> , 2018, 10, 248.	1.7	258
5	Identification of the hemangioblast in postnatal life. <i>Blood</i> , 2002, 100, 3203-3208.	0.6	246
6	A three-step pathway comprising PLZF/miR-146a/CXCR4 controls megakaryopoiesis. <i>Nature Cell Biology</i> , 2008, 10, 788-801.	4.6	214
7	CD 123 is a membrane biomarker and a therapeutic target in hematologic malignancies. <i>Biomarker Research</i> , 2014, 2, 4.	2.8	202
8	Circulating haemopoietic and endothelial progenitor cells are decreased in COPD. <i>European Respiratory Journal</i> , 2006, 27, 529-541.	3.1	180
9	miR-146 and miR-155: Two Key Modulators of Immune Response and Tumor Development. <i>Non-coding RNA</i> , 2017, 3, 22.	1.3	169
10	Colorectal Cancer: Genetic Abnormalities, Tumor Progression, Tumor Heterogeneity, Clonal Evolution and Tumor-Initiating Cells. <i>Medical Sciences (Basel, Switzerland)</i> , 2018, 6, 31.	1.3	167
11	Autocrine-paracrine VEGF loops potentiate the maturation of megakaryocytic precursors through Flt1 receptor. <i>Blood</i> , 2003, 101, 1316-1323.	0.6	141
12	Ovarian Cancers: Genetic Abnormalities, Tumor Heterogeneity and Progression, Clonal Evolution and Cancer Stem Cells. <i>Medicines (Basel, Switzerland)</i> , 2018, 5, 16.	0.7	123
13	Transplantation of low dose CD34 + Kdr + cells promotes vascular and muscular regeneration in ischemic limbs. <i>FASEB Journal</i> , 2004, 18, 1737-1739.	0.2	120
14	Differential expression and functional role of GATA-2, NF-E2, and GATA-1 in normal adult hematopoiesis. <i>Journal of Clinical Investigation</i> , 1995, 95, 2346-2358.	3.9	115
15	Liver Cancer: Molecular Characterization, Clonal Evolution and Cancer Stem Cells. <i>Cancers</i> , 2017, 9, 127.	1.7	112
16	Heart infarct in NOD/SCID mice: Therapeutic vasculogenesis by transplantation of human CD34 + cells and low dose CD34 + KDR + cells. <i>FASEB Journal</i> , 2004, 18, 1392-1394.	0.2	107
17	CD123 as a Therapeutic Target in the Treatment of Hematological Malignancies. <i>Cancers</i> , 2019, 11, 1358.	1.7	98
18	Oxidative stress and hypoxia in normal and leukemic stem cells. <i>Experimental Hematology</i> , 2016, 44, 540-560.	0.2	89

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19	MicroRNA 155 modulates megakaryopoiesis at progenitor and precursor level by targeting Ets1 and Meis1 transcription factors. <i>British Journal of Haematology</i> , 2008, 143, 570-580.	1.2	87
20	TRAIL decoy receptors mediate resistance of acute myeloid leukemia cells to TRAIL. <i>Haematologica</i> , 2005, 90, 612-24.	1.7	84
21	Supramaximal exercise mobilizes hematopoietic progenitors and reticulocytes in athletes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 289, R1496-R1503.	0.9	81
22	A restricted signature of miRNAs distinguishes APL blasts from normal promyelocytes. <i>Oncogene</i> , 2009, 28, 4034-4040.	2.6	81
23	Pancreatic Cancer: Molecular Characterization, Clonal Evolution and Cancer Stem Cells. <i>Biomedicines</i> , 2017, 5, 65.	1.4	81
24	Breast Cancer: A Molecularly Heterogenous Disease Needing Subtype-Specific Treatments. <i>Medical Sciences (Basel, Switzerland)</i> , 2020, 8, 18.	1.3	72
25	Cellular and Molecular Mechanisms Underlying Prostate Cancer Development: Therapeutic Implications. <i>Medicines (Basel, Switzerland)</i> , 2019, 6, 82.	0.7	68
26	Esophageal Cancer: Genomic and Molecular Characterization, Stem Cell Compartment and Clonal Evolution. <i>Medicines (Basel, Switzerland)</i> , 2017, 4, 67.	0.7	67
27	Mechanisms of anti-cancer effects of ascorbate: Cytotoxic activity and epigenetic modulation. <i>Blood Cells, Molecules, and Diseases</i> , 2018, 69, 57-64.	0.6	58
28	NFI-A directs the fate of hematopoietic progenitors to the erythroid or granulocytic lineage and controls β^2 -globin and G-CSF receptor expression. <i>Blood</i> , 2009, 114, 1753-1763.	0.6	57
29	Transcriptional fine-tuning of microRNA-223 levels directs lineage choice of human hematopoietic progenitors. <i>Cell Death and Differentiation</i> , 2014, 21, 290-301.	5.0	57
30	Hemoglobin switching in unicellular erythroid culture of sibling erythroid burst-forming units: kit ligand induces a dose-dependent fetal hemoglobin reactivation potentiated by sodium butyrate. <i>Blood</i> , 2000, 95, 3555-3561.	0.6	54
31	Stem cell factor protects erythroid precursor cells from chemotherapeutic agents via up-regulation of BCL-2 family proteins. <i>Blood</i> , 2003, 102, 87-93.	0.6	51
32	MicroRNA-146a and AMD3100, two ways to control CXCR4 expression in acute myeloid leukemias. <i>Blood Cancer Journal</i> , 2011, 1, e26-e26.	2.8	50
33	A candidate anti-HIV reservoir compound, auranofin, exerts a selective "anti-memory" effect by exploiting the baseline oxidative status of lymphocytes. <i>Cell Death and Disease</i> , 2013, 4, e944-e944.	2.7	49
34	High-dose ascorbate and arsenic trioxide selectively kill acute myeloid leukemia and acute promyelocytic leukemia blasts <i>in vitro</i> . <i>Oncotarget</i> , 2017, 8, 32550-32565.	0.8	47
35	Control of erythroid cell production via caspase-mediated cleavage of transcription factor SCL/Tal-1. <i>Cell Death and Differentiation</i> , 2003, 10, 905-913.	5.0	45
36	Mechanism of human Hb switching: a possible role of the kit receptor/miR 221-222 complex. <i>Haematologica</i> , 2010, 95, 1253-1260.	1.7	45

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37	Targeting histone methyltransferase and demethylase in acute myeloid leukemia therapy. <i>OncoTargets and Therapy</i> , 2018, Volume 11, 131-155.	1.0	45
38	Impaired myelopoiesis in mice devoid of interferon regulatory factor 1. <i>Leukemia</i> , 2004, 18, 1864-1871.	3.3	42
39	Mechanisms of differential transferrin receptor expression in normal hematopoiesis. <i>FEBS Journal</i> , 2000, 267, 6762-6774.	0.2	39
40	T-tropic human immunodeficiency virus (HIV) type 1 Nef protein enters human monocyte macrophages and induces resistance to HIV replication: a possible mechanism of HIV T-tropic emergence in AIDS. <i>Journal of General Virology</i> , 2000, 81, 2905-2917.	1.3	37
41	Human umbilical cord is a unique and safe source of various types of stem cells suitable for treatment of hematological diseases and for regenerative medicine. <i>Blood Cells, Molecules, and Diseases</i> , 2012, 49, 20-28.	0.6	33
42	Endothelial progenitors. <i>Blood Cells, Molecules, and Diseases</i> , 2014, 52, 186-194.	0.6	33
43	A miRNA Signature in Human Cord Blood Stem and Progenitor Cells as Potential Biomarker of Specific Acute Myeloid Leukemia Subtypes. <i>Journal of Cellular Physiology</i> , 2015, 230, 1770-1780.	2.0	33
44	Targeting LSCs through membrane antigens selectively or preferentially expressed on these cells. <i>Blood Cells, Molecules, and Diseases</i> , 2015, 55, 336-346.	0.6	32
45	Identification of a molecular signature for leukemic promyelocytes and their normal counterparts: focus on DNA repair genes. <i>Leukemia</i> , 2006, 20, 1978-1988.	3.3	31
46	Cytotoxic effects of high concentrations of sodium ascorbate on human myeloid cell lines. <i>Annals of Hematology</i> , 2015, 94, 1807-1816.	0.8	31
47	The small-molecule compound AC-73 targeting CD147 inhibits leukemic cell proliferation, induces autophagy and increases the chemotherapeutic sensitivity of acute myeloid leukemia cells. <i>Haematologica</i> , 2019, 104, 973-985.	1.7	31
48	MicroRNAs in normal and malignant myelopoiesis. <i>Leukemia Research</i> , 2009, 33, 1584-1593.	0.4	30
49	Targeting Lactate Metabolism by Inhibiting MCT1 or MCT4 Impairs Leukemic Cell Proliferation, Induces Two Different Related Death-Pathways and Increases Chemotherapeutic Sensitivity of Acute Myeloid Leukemia Cells. <i>Frontiers in Oncology</i> , 2020, 10, 621458.	1.3	29
50	Emerging Therapies for Acute Myelogenous Leukemia Patients Targeting Apoptosis and Mitochondrial Metabolism. <i>Cancers</i> , 2019, 11, 260.	1.7	28
51	Identity and ranking of colonic mesenchymal stromal cells. <i>Journal of Cellular Physiology</i> , 2012, 227, 3291-3300.	2.0	27
52	miR-21 is overexpressed in NPM1-mutant acute myeloid leukemias. <i>Leukemia Research</i> , 2015, 39, 221-228.	0.4	27
53	Genetic Alterations of Metastatic Colorectal Cancer. <i>Biomedicines</i> , 2020, 8, 414.	1.4	27
54	PLZF-mediated control on c-kit expression in CD34+ cells and early erythropoiesis. <i>Oncogene</i> , 2009, 28, 2276-2288.	2.6	24

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55	Hematopoietic differentiation: a coordinated dynamical process towards attractor stable states. <i>BMC Systems Biology</i> , 2010, 4, 85.	3.0	23
56	Human Haemato-Endothelial Precursors: Cord Blood CD34+ Cells Produce Haemogenic Endothelium. <i>PLoS ONE</i> , 2012, 7, e51109.	1.1	23
57	Proliferative response and oncogene expression induced by epidermal growth factor in EL2 rat fibroblasts.. <i>Molecular and Cellular Biology</i> , 1986, 6, 2275-2278.	1.1	22
58	Melanoma: Genetic Abnormalities, Tumor Progression, Clonal Evolution and Tumor Initiating Cells. <i>Medical Sciences (Basel, Switzerland)</i> , 2017, 5, 28.	1.3	22
59	Immunophenotypic features of acute myeloid leukaemia patients exhibiting high FLT3 expression not associated with mutations. <i>British Journal of Haematology</i> , 2011, 153, 33-42.	1.2	21
60	Differential hypoxic regulation of the microRNA-146a/CXCR4 pathway in normal and leukemic monocytic cells: impact on response to chemotherapy. <i>Haematologica</i> , 2015, 100, 1160-1171.	1.7	20
61	Autocrine Role of Angiopoietins during Megakaryocytic Differentiation. <i>PLoS ONE</i> , 2012, 7, e39796.	1.1	19
62	Pure Human Hematopoietic Progenitors: Direct Inhibitory Effect of Transforming Growth Factors- β 1 and - β 2. <i>Annals of the New York Academy of Sciences</i> , 1991, 628, 84-91.	1.8	17
63	A transcriptome-wide approach reveals the key contribution of NFI-A in promoting erythroid differentiation of human CD34+ progenitors and CML cells. <i>Leukemia</i> , 2010, 24, 1220-1223.	3.3	17
64	Human TM9SF4 Is a New Gene Down-Regulated by Hypoxia and Involved in Cell Adhesion of Leukemic Cells. <i>PLoS ONE</i> , 2015, 10, e0126968.	1.1	17
65	β -Blockers Promote Angiogenesis in the Mouse Aortic Ring Assay. <i>Journal of Cardiovascular Pharmacology</i> , 2014, 64, 21-27.	0.8	16
66	Endothelial progenitor cells in hematologic malignancies. <i>Stem Cell Investigation</i> , 2016, 3, 26-26.	1.3	16
67	The EL2 Rat Fibroblasts Line: Differential Effects of Growth Factors (EGF, PDGF, FGF, TPA and TGF β) on Cell Proliferation and c-fos Expression. <i>Annals of the New York Academy of Sciences</i> , 1987, 511, 318-328.	1.8	15
68	Reactivation of HbF synthesis in normal adult erythroid bursts by IL-3. <i>British Journal of Haematology</i> , 1990, 74, 114-117.	1.2	15
69	Stringently purified human hematopoietic progenitors/stem cells: Analysis of cellular/molecular mechanisms underlying early hematopoiesis. <i>Stem Cells</i> , 1993, 11, 356-370.	1.4	15
70	Conditioned medium from human umbilical vein endothelial cells markedly improves the proliferation and differentiation of circulating endothelial progenitors. <i>Blood Cells, Molecules, and Diseases</i> , 2016, 61, 58-65.	0.6	14
71	Molecular mechanisms regulating the synthesis of transferrin receptors and ferritin in human erythroleukemic cell lines. <i>FEBS Letters</i> , 1985, 183, 223-227.	1.3	13
72	Methylation damage response in hematopoietic progenitor cells. <i>DNA Repair</i> , 2007, 6, 1170-1178.	1.3	13

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73	Genetic Alterations in Renal Cancers: Identification of The Mechanisms Underlying Cancer Initiation and Progression and of Therapeutic Targets. <i>Medicines (Basel, Switzerland)</i> , 2020, 7, 44.	0.7	13
74	Isocitrate Dehydrogenase Mutations in Myelodysplastic Syndromes and in Acute Myeloid Leukemias. <i>Cancers</i> , 2020, 12, 2427.	1.7	13
75	Expression of interleukin 3 and granulocyte-macrophage colony-stimulating factor receptor common chain beta _c , beta _T in normal haematopoiesis: lineage specificity and proliferation-independent induction. <i>British Journal of Haematology</i> , 2000, 111, 441-451.	1.2	13
76	Molecular characterization of lung adenocarcinoma combining whole exome sequencing, copy number analysis and gene expression profiling. <i>Expert Review of Molecular Diagnostics</i> , 2022, 22, 77-100.	1.5	13
77	Ascorbate Plus Buformin in AML: A Metabolic Targeted Treatment. <i>Cancers</i> , 2022, 14, 2565.	1.7	12
78	Colour Blindness Distribution in the Male Population of Rome. <i>Human Heredity</i> , 1986, 36, 263-265.	0.4	10
79	Endothelial Progenitors in the Tumor Microenvironment. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1263, 85-115.	0.8	10
80	In vitro dual effect of arsenic trioxide on hemopoiesis: Inhibition of erythropoiesis and stimulation of megakaryocytic maturation. <i>Blood Cells, Molecules, and Diseases</i> , 2006, 36, 59-76.	0.6	9
81	The Impact of FLT3 Mutations on the Development of Acute Myeloid Leukemias. <i>Leukemia Research and Treatment</i> , 2013, 2013, 1-14.	2.0	9
82	Genetic Abnormalities, Clonal Evolution, and Cancer Stem Cells of Brain Tumors. <i>Medical Sciences (Basel, Switzerland)</i> , 2018, 6, 85.	1.3	9
83	MicroRNAs expressed in hematopoietic stem/progenitor cells are deregulated in acute myeloid leukemias. <i>Leukemia and Lymphoma</i> , 2015, 56, 1466-1474.	0.6	8
84	Effect of miR-204&211 and RUNX2 control on the fate of human mesenchymal stromal cells. <i>Regenerative Medicine Research</i> , 2017, 5, 2.	2.2	7
85	CDDO-Im is a stimulator of megakaryocytic differentiation. <i>Leukemia Research</i> , 2011, 35, 534-544.	0.4	6
86	Targeted therapies in the treatment of adult acute myeloid leukemias: current status and future perspectives. <i>International Journal of Hematologic Oncology</i> , 2016, 5, 143-164.	0.7	6
87	PML/RAR α fusion protein expression in normal human hematopoietic progenitors dictates myeloid commitment and the promyelocytic phenotype. <i>Blood</i> , 2000, 96, 1531-1537.	0.6	6
88	PML-RAR alpha induces the downmodulation of HHEX: a key event responsible for the induction of an angiogenic response. <i>Journal of Hematology and Oncology</i> , 2016, 9, 33.	6.9	5
89	Transcription factors implicated in late megakaryopoiesis as markers of outcome after azacitidine and allogeneic stem cell transplantation in myelodysplastic syndrome. <i>Leukemia Research</i> , 2019, 84, 106191.	0.4	5
90	The forkhead box C1 (FOXC1) transcription factor is downregulated in acute promyelocytic leukemia. <i>Oncotarget</i> , 2017, 8, 84074-84085.	0.8	4

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91	Molecular mechanisms underlying erythropoiesis: Cycling activity of adult BFU-e relates to their requirement for c-myb function and potential for HbF synthesis. International Journal of Cell Cloning, 1990, 8, 314-334.	1.6	3
92	Modulation by Growth Factors of the Expression of Interleukin 3 and Granulocyte-macrophage Colony-stimulating Factor Receptor Common Chain β c. Leukemia and Lymphoma, 2002, 43, 1645-1650.	0.6	3
93	New promising developments for potential therapeutic applications of high-dose ascorbate as an anticancer drug. Hematology/ Oncology and Stem Cell Therapy, 2021, 14, 179-191.	0.6	3
94	Precision Medicine Treatment in Acute Myeloid Leukemia Is Not a Dream. Hemato, 2021, 2, 131-153.	0.2	3
95	Expression of interleukin 3 and granulocyte-macrophage colony-stimulating factor receptor common chain β c, β c_{IT} in normal haematopoiesis: lineage specificity and proliferation-independent induction. British Journal of Haematology, 2000, 111, 441-451.	1.2	2
96	Expression of c-fos in Human Normal and Neoplastic Monocyte-Macrophage Differentiation. Annals of the New York Academy of Sciences, 1987, 511, 277-283.	1.8	1
97	Mechanisms of differential transferrin receptor expression in normal hematopoiesis. , 2000, 267, 6762.		1
98	Human cord blood-derived hemogenic endothelium generates mast cells. Blood Cells, Molecules, and Diseases, 2015, 54, 195-197.	0.6	0
99	Hemoglobin switching in unicellular erythroid culture of sibling erythroid burst-forming units: kit ligand induces a dose-dependent fetal hemoglobin reactivation potentiated by sodium butyrate. Blood, 2000, 95, 3555-3561.	0.6	0
100	MicroRNAs 17-5p/20a/106a Function as a Master Gene Complex Controlling Monocytopoiesis through AML1 Targeting.. Blood, 2006, 108, 1186-1186.	0.6	0
101	New Developments of Differentiation Therapy of Acute Myeloid Leukemia. Current Pharmacogenomics and Personalized Medicine, 2017, 14, 86-105.	0.2	0