

Katarzyna Piwocka

List of Publications by Year in descending order

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74
papers

2,011
citations

257101

24
h-index

264894

42
g-index

81
all docs

81
docs citations

81
times ranked

3028
citing authors

#	ARTICLE	IF	CITATIONS
1	Induction of senescence with doxorubicin leads to increased genomic instability of HCT116 cells. Mechanisms of Ageing and Development, 2009, 130, 24-32.	2.2	150
2	A Novel Apoptosis-like Pathway, Independent of Mitochondria and Caspases, Induced by Curcumin in Human Lymphoblastoid T (Jurkat) Cells. Experimental Cell Research, 1999, 249, 299-307.	1.2	126
3	Inhibition of proliferation and apoptosis of human and rat T lymphocytes by curcumin, a curry pigment. Biochemical Pharmacology, 1997, 54, 899-907.	2.0	101
4	Curcumin Affects Components of the Chromosomal Passenger Complex and Induces Mitotic Catastrophe in Apoptosis-Resistant Bcr-Abl-Expressing Cells. Molecular Cancer Research, 2006, 4, 457-469.	1.5	83
5	Curcumin induces caspase-3-dependent apoptotic pathway but inhibits DNA fragmentation factor 40/caspase-activated DNase endonuclease in human Jurkat cells. Molecular Cancer Therapeutics, 2006, 5, 927-934.	1.9	74
6	Effect of glutathione depletion on caspase-3 independent apoptosis pathway induced by curcumin in Jurkat cells. Free Radical Biology and Medicine, 2001, 31, 670-678.	1.3	71
7	Early loss of proliferative potential of human peritoneal mesothelial cells in culture: the role of p16INK4a-mediated premature senescence. Journal of Applied Physiology, 2006, 100, 988-995.	1.2	64
8	ESCRT proteins restrict constitutive NF- κ B signaling by trafficking cytokine receptors. Science Signaling, 2016, 9, ra8.	1.6	64
9	Ruxolitinib-induced defects in DNA repair cause sensitivity to PARP inhibitors in myeloproliferative neoplasms. Blood, 2017, 130, 2848-2859.	0.6	64
10	Gene expression and mutation-guided synthetic lethality eradicates proliferating and quiescent leukemia cells. Journal of Clinical Investigation, 2017, 127, 2392-2406.	3.9	64
11	Tunneling nanotube-mediated intercellular vesicle and protein transfer in the stroma-provided imatinib resistance in chronic myeloid leukemia cells. Cell Death and Disease, 2019, 10, 817.	2.7	59
12	The PERK-eIF2 γ phosphorylation arm is a pro-survival pathway of BCR-ABL signaling and confers resistance to imatinib treatment in chronic myeloid leukemia cells. Cell Cycle, 2012, 11, 4069-4078.	1.3	58
13	Tyrosine kinase inhibitor-induced defects in DNA repair sensitize FLT3(ITD)-positive leukemia cells to PARP1 inhibitors. Blood, 2018, 132, 67-77.	0.6	54
14	Downregulation of BRCA1 protein in BCR-ABL1 leukemia cells depends on stress-triggered TIAR-mediated suppression of translation. Cell Cycle, 2014, 13, 3727-3741.	1.3	52
15	Resveratrol delays replicative senescence of human mesothelial cells via mobilization of antioxidative and DNA repair mechanisms. Free Radical Biology and Medicine, 2012, 52, 2234-2245.	1.3	50
16	P-glycoprotein expression does not change the apoptotic pathway induced by curcumin in HL-60 cells. Cancer Chemotherapy and Pharmacology, 2004, 53, 179-185.	1.1	46
17	Effect of Curcumin on the Apoptosis of Rodent and Human Nonproliferating and Proliferating Lymphoid Cells. Nutrition and Cancer, 2000, 38, 131-138.	0.9	45
18	Bafilomycin A1 triggers proliferative potential of senescent cancer cells <i>in vitro</i> and in NOD/SCID mice. Oncotarget, 2017, 8, 9303-9322.	0.8	40

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19	Senescent peritoneal mesothelium creates a niche for ovarian cancer metastases. <i>Cell Death and Disease</i> , 2016, 7, e2565-e2565.	2.7	39
20	Glutathione-independent mechanism of apoptosis inhibition by curcumin in rat thymocytes. <i>Biochemical Pharmacology</i> , 1998, 56, 961-965.	2.0	38
21	Curcumin Induces Caspase-Independent Apoptosis in Human Multidrug-Resistant Cells. <i>Annals of the New York Academy of Sciences</i> , 2002, 973, 250-254.	1.8	38
22	Bcr-Abl reduces endoplasmic reticulum releasable calcium levels by a Bcl-2-independent mechanism and inhibits calcium-dependent apoptotic signaling. <i>Blood</i> , 2006, 107, 4003-4010.	0.6	32
23	Bystander senescence in human peritoneal mesothelium and fibroblasts is related to thrombospondin-1-dependent activation of transforming growth factor- β 1. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 2087-2096.	1.2	32
24	The GAS6-AXL signaling pathway triggers actin remodeling that drives membrane ruffling, macropinocytosis, and cancer-cell invasion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	30
25	Synthetic lethality between <i>VPS</i> 4A and <i>VPS</i> 4B triggers an inflammatory response in colorectal cancer. <i>EMBO Molecular Medicine</i> , 2020, 12, e10812.	3.3	28
26	Expression of Oncogenic Kinase Bcr-Abl Impairs Mitotic Checkpoint and Promotes Aberrant Divisions and Resistance to Microtubule-Targeting Agents. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 1328-1338.	1.9	27
27	Curcumin abolishes apoptosis resistance of calcitriol-differentiated HL-60 cells. <i>FEBS Letters</i> , 2006, 580, 4653-4660.	1.3	26
28	<i>TET2</i> and <i>DNMT3A</i> Mutations Exert Divergent Effects on DNA Repair and Sensitivity of Leukemia Cells to PARP Inhibitors. <i>Cancer Research</i> , 2021, 81, 5089-5101.	0.4	25
29	MLL-AF9 leukemias are sensitive to PARP1 inhibitors combined with cytotoxic drugs. <i>Blood Advances</i> , 2017, 1, 1467-1472.	2.5	23
30	Dynamics of cardiomyocyte transcriptome and chromatin landscape demarcates key events of heart development. <i>Genome Research</i> , 2019, 29, 506-519.	2.4	21
31	Role of annexin A6 isoforms in catecholamine secretion by PC12 cells: Distinct influence on calcium response. <i>Journal of Cellular Biochemistry</i> , 2010, 111, 168-178.	1.2	20
32	IGH/MYC Translocation Associates with BRCA2 Deficiency and Synthetic Lethality to PARP1 Inhibitors. <i>Molecular Cancer Research</i> , 2017, 15, 967-972.	1.5	20
33	SYK inhibition targets acute myeloid leukemia stem cells by blocking their oxidative metabolism. <i>Cell Death and Disease</i> , 2020, 11, 956.	2.7	20
34	Low Interleukin - 8 Level Predicts the Occurrence of the Postpericardiotomy Syndrome. <i>PLoS ONE</i> , 2014, 9, e108822.	1.1	20
35	Synthetic Resveratrol Analogue, 3,3',4,4',5,5'-Hexahydroxy-trans-Stilbene, Accelerates Senescence in Peritoneal Mesothelium and Promotes Senescence-Dependent Growth of Gastrointestinal Cancers. <i>International Journal of Molecular Sciences</i> , 2013, 14, 22483-22498.	1.8	19
36	Isolation of vascular endothelial cells from intact and injured murine brain cortex—technical issues and pitfalls in <i>FACS</i> analysis of the nervous tissue. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2015, 87, 908-920.	1.1	19

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37	High Potency of a Novel Resveratrol Derivative, 3,3,4,4-Tetrahydroxy-trans-stilbene, against Ovarian Cancer Is Associated with an Oxidative Stress-Mediated Imbalance between DNA Damage Accumulation and Repair. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-15.	1.9	19
38	Autocrine secretion of osteopontin results in degradation of I κ B in Bcr-Abl-expressing cells. <i>British Journal of Haematology</i> , 2005, 128, 711-721.	1.2	18
39	TGF β 2R-SMAD3 Signaling Induces Resistance to PARP Inhibitors in the Bone Marrow Microenvironment. <i>Cell Reports</i> , 2020, 33, 108221.	2.9	18
40	Immunosuppressive Cell Subsets and Factors in Myeloid Leukemias. <i>Cancers</i> , 2021, 13, 1203.	1.7	16
41	Increased phosphorylation of eIF2 γ in chronic myeloid leukemia cells stimulates secretion of matrix modifying enzymes. <i>Oncotarget</i> , 2016, 7, 79706-79721.	0.8	16
42	Transcriptome profile of the sinoatrial ring reveals conserved and novel genetic programs of the zebrafish pacemaker. <i>BMC Genomics</i> , 2021, 22, 715.	1.2	14
43	Increased acetylation of lysine 317/320 of p53 caused by BCR-ABL protects from cytoplasmic translocation of p53 and mitochondria-dependent apoptosis in response to DNA damage. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2012, 17, 950-963.	2.2	13
44	4-1BBL-containing leukemic extracellular vesicles promote immunosuppressive effector regulatory T cells. <i>Blood Advances</i> , 2022, 6, 1879-1894.	2.5	13
45	Transient MicroRNA Expression Enhances Myogenic Potential of Mouse Embryonic Stem Cells. <i>Stem Cells</i> , 2018, 36, 655-670.	1.4	12
46	Non-NAD-like PARP1 inhibitor enhanced synthetic lethal effect of NAD-like PARP inhibitors against BRCA1-deficient leukemia. <i>Leukemia and Lymphoma</i> , 2019, 60, 1098-1101.	0.6	12
47	Concurrent depletion of Vps37 proteins evokes ESCRT-I destabilization and profound cellular stress responses. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	12
48	The Role of Nibrin in Doxorubicin-Induced Apoptosis and Cell Senescence in Nijmegen Breakage Syndrome Patients Lymphocytes. <i>PLoS ONE</i> , 2014, 9, e104964.	1.1	11
49	Inhibition of PCAF by Anacardic Acid Derivative Leads to Apoptosis and Breaks Resistance to DNA Damage in BCR-ABL-expressing Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2013, 13, 762-767.	0.9	11
50	Stimulators of Mineralization Limit the Invasive Phenotype of Human Osteosarcoma Cells by a Mechanism Involving Impaired Invadopodia Formation. <i>PLoS ONE</i> , 2014, 9, e109938.	1.1	9
51	PARP1 inhibitor eliminated imatinib-refractory chronic myeloid leukemia cells in bone marrow microenvironment conditions. <i>Leukemia and Lymphoma</i> , 2019, 60, 262-264.	0.6	9
52	Isolation and Characterization of Extracellular Vesicles from Cell Culture Conditioned Medium for Immunological Studies. <i>Current Protocols in Immunology</i> , 2020, 129, e96.	3.6	8
53	Splicing variation of BMP2K balances abundance of COPII assemblies and autophagic degradation in erythroid cells. <i>ELife</i> , 2020, 9, .	2.8	8
54	Characteristics of live parameters of the HS α 5 human bone marrow stromal cell line cocultured with the leukemia cells in hypoxia, for the studies of leukemia-stroma cross-talk. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018, 93, 929-940.	1.1	6

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55	Chronic myeloid leukemia-derived extracellular vesicles increase Foxp3 level and suppressive activity of thymic regulatory T cells. <i>European Journal of Immunology</i> , 2020, 50, 606-609.	1.6	6
56	Genomic and physiological analyses of the zebrafish atrioventricular canal reveal molecular building blocks of the secondary pacemaker region. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 6669-6687.	2.4	6
57	Multi-omics analyses of early liver injury reveals cell-type-specific transcriptional and epigenomic shift. <i>BMC Genomics</i> , 2021, 22, 904.	1.2	6
58	Tunneling Nanotubes Facilitate Intercellular Protein Transfer and Cell Networks Function. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	5
59	Interleukin 4 Moderately Affects Competence of Pluripotent Stem Cells for Myogenic Conversion. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3932.	1.8	3
60	IDH2 mutations in patients with normal karyotype AML predict favorable responses to daunorubicin, cytarabine and cladribine regimen. <i>Scientific Reports</i> , 2021, 11, 10017.	1.6	3
61	Stress granules assembly affects detection of mRNA in living cells by the NanoFlares; an important aspect of the technology. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1024-1035.	1.1	2
62	Comparison of Differentiation Pattern and WNT/SHH Signaling in Pluripotent Stem Cells Cultured under Different Conditions. <i>Cells</i> , 2021, 10, 2743.	1.8	2
63	New developments in cytometric phenotyping. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2017, 91, 950-951.	1.1	1
64	Insight into the Leukemia Microenvironment and Cell-cell Interactions Using Flow Cytometry. , 0, , .		1
65	IGH/MYC Translocation in Burkitt Lymphoma Is Associated with BRCA2 Deficiency and Synthetic Lethality By PARP1 Inhibitors. <i>Blood</i> , 2016, 128, 4111-4111.	0.6	1
66	BCR-ABL Hits at Mitosis; Implications for Chromosomal Instability, Aneuploidy and Therapeutic Strategy. , 0, , .		1
67	TET2 and DNMT3A Mutations Exert Divergent Effects on DNA Repair and Sensitivity of Leukemia Cells to PARP Inhibitors. <i>Blood</i> , 2020, 136, 4-4.	0.6	1
68	When polychromatic flow cytometry meets mitochondrial reactive oxygen species. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2016, 89, 1052-1053.	1.1	0
69	Targeting of Post-Transcriptional Regulation as Treatment Strategy in Acute Leukemia. , 0, , .		0
70	OTME-2. Regulation of chromatin accessibility in the hypoxic tumor microenvironment of glioblastoma. <i>Neuro-Oncology Advances</i> , 2021, 3, ii13-ii13.	0.4	0
71	A Novel Bcr-Abl Mediated Pro-Survival Pathway: Reduction of Releasable Calcium Levels in the Endoplasmic Reticulum Inhibits Calcium Dependent Apoptotic Signaling.. <i>Blood</i> , 2005, 106, 2621-2621.	0.6	0
72	Downregulation of BRCA1 Protein in BCR-ABL1-positive Cells Depends on Tiar-Mediated Repression of BRCA1 mRNA Translation. <i>Blood</i> , 2014, 124, 3129-3129.	0.6	0

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73	PARP1 Inhibitors Eliminated Imatinib-Refractory Chronic Myeloid Leukemia Cells in Bone Marrow Microenvironment Conditions. <i>Blood</i> , 2018, 132, 3000-3000.	0.6	0
74	BRCA1 deficiency and synthetic lethality in leukemias; not only gene mutation matters. <i>Postepy Biochemii</i> , 2018, 64, 141-147.	0.5	0