Jerome Kluza

List of Publications by Year
in descending order

69 papers	3,370 citations	159525 30 h-index	143943 57 g-index
72 all docs	72 docs citations	72 times ranked	5729 citing authors

#	Article	IF	Citations
1	Comparison of the in vivo genotoxicity of electronic and conventional cigarettes aerosols after subacute, subchronic and chronic exposures.. Journal of Hazardous Materials, 2022, 423, 127246.	6.5	9
2	Metabolic targeting of cancer by a ubiquinone uncompetitive inhibitor of mitochondrial complex I. Cell Chemical Biology, 2022, 29, 436-450.e15.	2.5	14
3	p65/RelA NFâ€ºB fragments generated by RIPK3 activity regulate tumorigenicity, cell metabolism, and stemness characteristics. Journal of Cellular Biochemistry, 2022, 123, 543-556.	1.2	3
4	A New Strategy to Preserve and Assess Oxygen Consumption in Murine Tissues. International Journal of Molecular Sciences, 2022, 23, 109.	1.8	7
5	Mitochondrial inhibitors circumvent adaptive resistance to venetoclax and cytarabine combination therapy in acute myeloid leukemia. Nature Cancer, 2021, 2, 1204-1223.	5.7	42
6	ANTIMETABOLIC COOPERATIVITY WITH THE CLINICALLY-APPROVED L-ASPARAGINASE AND TYROSINE KINASE INHIBITORS TO ERADICATE CML STEM CELLS. Molecular Metabolism, 2021, 55, 101410.	3.0	3
7	Clinically Relevant Oxygraphic Assay to Assess Mitochondrial Energy Metabolism in Acute Myeloid Leukemia Patients. Cancers, 2021, 13, 6353.	1.7	3
8	Mitochondrial spare respiratory capacity: Mechanisms, regulation, and significance in nonâ€transformed and cancer cells. FASEB Journal, 2020, 34, 13106-13124.	0.2	145
9	Lipid Metabolism and Resistance to Anticancer Treatment. Biology, 2020, 9, 474.	1.3	57
10	Antimetabolic Cooperativity with l-Asparaginase and Tyrosine Kinase Inhibitor Quizartinib to Eradicate Persistant FLT3-ITD Leukemic Cells. Blood, 2020, 136, 31-31.	0.6	0
11	Mitochondrial Spare Reserve Capacity : A New Predictive Metabolic Biomarker for Aggressiveness of Acute Myeloid Leukemia. Blood, 2020, 136, 7-7.	0.6	0
12	First-line Screening of OXPHOS Deficiencies Using Microscale Oxygraphy in Human Skin Fibroblasts: A Preliminary Study. International Journal of Medical Sciences, 2019, 16, 931-938.	1.1	6
13	Study of AMPK-Regulated Metabolic Fluxes in Neurons Using the Seahorse XFe Analyzer. Methods in Molecular Biology, 2018, 1732, 289-305.	0.4	7
14	Glucose metabolism and NRF2 coordinate the antioxidant response in melanoma resistant to MAPK inhibitors. Cell Death and Disease, 2018, 9, 325.	2.7	71
15	Melanoma metabolism contributes to the cellular responses to MAPK/ERK pathway inhibitors. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 999-1005.	1.1	56
16	Air pollution-derived PM2.5 impairs mitochondrial function in healthy and chronic obstructive pulmonary diseased human bronchial epithelial cells. Environmental Pollution, 2018, 243, 1434-1449.	3.7	102
17	AMP-Activated Protein Kinase Is Essential for the Maintenance of Energy Levels during Synaptic Activation. IScience, 2018, 9, 1-13.	1.9	59
18	Abstract 384: Role of PD-L1 immunoregulatory protein in breast cancer cells metabolic reprogramming. , 2018, , .		0

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19	Mitochondrion: a critical target for the toxicity of air pollution-derived PM2.5 in healthy and COPD human bronchial epithelial cells. , 2018, , .		0
20	Metabolic rewiring in cancer cells overexpressing the glucocorticoid-induced leucine zipper protein (GILZ): Activation of mitochondrial oxidative phosphorylation and sensitization to oxidative cell death induced by mitochondrial targeted drugs. International Journal of Biochemistry and Cell Biology, 2017, 85, 166-174.	1.2	10
21	Lactate Inhibits the Pro-Inflammatory Response and Metabolic Reprogramming in Murine Macrophages in a GPR81-Independent Manner. PLoS ONE, 2016, 11, e0163694.	1.1	104
22	Patient-derived tumor xenograft strategies for informed management of patients with metastatic melanoma. Melanoma Research, 2016, 26, 245-253.	0.6	0
23	Cigarette smoke alters the ability of human dendritic cells to promote anti-Streptococcus pneumoniae Th17 response. Respiratory Research, 2016, 17, 94.	1.4	22
24	GILZ overexpression attenuates endoplasmic reticulum stress-mediated cell death via the activation of mitochondrial oxidative phosphorylation. Biochemical and Biophysical Research Communications, 2016, 478, 513-520.	1.0	16
25	Mitochondrial oxidative phosphorylation controls cancer cell's life and death decisions upon exposure to MAPK inhibitors. Oncotarget, 2016, 7, 39473-39485.	0.8	58
26	Increased CD271 expression by the NF-kB pathway promotes melanoma cell survival and drives acquired resistance to BRAF inhibitor vemurafenib. Cell Discovery, 2015, 1, 15030.	3.1	56
27	Integration of Mitochondrial Targeting for Molecular Cancer Therapeutics. International Journal of Cell Biology, 2015, 2015, 1-17.	1.0	23
28	Farnesoid X receptor inhibits glucagon-like peptide-1 production by enteroendocrine L cells. Nature Communications, 2015, 6, 7629.	5.8	274
29	Another Facet to the Anticancer Response to Lamellarin D: Induction of Cellular Senescence through Inhibition of Topoisomerase I and Intracellular Ros Production. Marine Drugs, 2014, 12, 779-798.	2.2	35
30	Targeting Chelatable Iron as a Therapeutic Modality in Parkinson's Disease. Antioxidants and Redox Signaling, 2014, 21, 195-210.	2.5	488
31	Metabolic Features of Melanoma: A Gold Mine of New Therapeutic Targets?. Current Cancer Drug Targets, 2014, 14, 357-370.	0.8	7
32	Mitochondrial Metabolic Reprogramming of Melanoma Cells Exposed to BRAFV600E Inhibitor. Annals of Oncology, 2013, 24, i30.	0.6	0
33	Patient-derived tumor xenograft model to guide the use of BRAF inhibitors in metastatic melanoma. Melanoma Research, 2013, 23, 373-380.	0.6	12
34	Mitochondrial oxidative stress is the achille's heel of melanoma cells resistant to Braf-mutant inhibitor. Oncotarget, 2013, 4, 1986-1998.	0.8	145
35	Inactivation of the HIF-1Î±/PDK3 Signaling Axis Drives Melanoma toward Mitochondrial Oxidative Metabolism and Potentiates the Therapeutic Activity of Pro-Oxidants. Cancer Research, 2012, 72, 5035-5047.	0.4	126
36	Regulation by survivin of cancer cell death induced by F14512, a polyamine-containing inhibitor of DNA topoisomerase II. Apoptosis: an International Journal on Programmed Cell Death, 2012, 17, 364-376.	2.2	16

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37	Mitochondrial Electron Transport Is the Cellular Target of the Oncology Drug Elesclomol. PLoS ONE, 2012, 7, e29798.	1.1	105
38	Hx, a Novel Fluorescent, Minor Groove and Sequence Specific Recognition Element: Design, Synthesis, and DNA Binding Properties ofp-Anisylbenzimidazole-imidazole/pyrrole-Containing Polyamides. Biochemistry, 2011, 50, 3127-3136.	1.2	26
39	Deregulation of the hypoxia inducible factor-1Î± pathway in monocytes from sporadic amyotrophic lateral sclerosis patients. Neuroscience, 2011, 172, 110-117.	1.1	30
40	Exploiting Mitochondrial Dysfunction for Effective Elimination of Imatinib-Resistant Leukemic Cells. PLoS ONE, 2011, 6, e21924.	1.1	49
41	Inhibition of mitochondrial respiration mediates apoptosis induced by the anti-tumoral alkaloid lamellarin D. Apoptosis: an International Journal on Programmed Cell Death, 2010, 15, 769-781.	2.2	98
42	A novel achiral seco-cyclopropylpyrido[e]indolone (CPyI) analog of CC-1065 and the duocarmycins: Synthesis, DNA interactions, in vivo anticancer and anti-parasitic evaluation. Bioorganic and Medicinal Chemistry, 2010, 18, 5016-5024.	1.4	10
43	Targeting the ICB2 site of the topoisomerase IIÎ± promoter with a formamido-pyrroleâ€“imidazoleâ€“pyrrole H-pin polyamide. Bioorganic and Medicinal Chemistry, 2010, 18, 5553-5561.	1.4	23
44	Essential role of mitochondria in apoptosis of cancer cells induced by the marine alkaloid Lamellarin D. Molecular Cancer Therapeutics, 2009, 8, 3307-3317.	1.9	57
45	Effects of the N-Terminal Acylamido Group of Imidazole- and Pyrrole-Containing Polyamides on DNA Sequence Specificity and Binding Affinity. Biochemistry, 2009, 48, 5679-5688.	1.2	16
46	Polyamide Curvature and DNA Sequence Selective Recognition: Use of 4-Aminobenzamide to Adjust Curvature. Medicinal Chemistry, 2009, 5, 216-226.	0.7	6
47	Targeting the inverted CCAAT Box-2 of the topoisomerase IIÎ± gene: DNA sequence selective recognition by a polyamideâ€“intercalator as a staggered dimer. Bioorganic and Medicinal Chemistry, 2008, 16, 2093-2102.	1.4	18
48	Modifying the N-terminus of polyamides: PyImPyIm has improved sequence specificity over f-ImPyIm. Bioorganic and Medicinal Chemistry, 2008, 16, 5266-5276.	1.4	16
49	Sequence specific and high affinity recognition of 5â€²-ACGCGT-3â€² by rationally designed pyrrole-imidazole H-pin polyamides: Thermodynamic and structural studies. Bioorganic and Medicinal Chemistry, 2008, 16, 9145-9153.	1.4	17
50	Overcoming chemoresistance of non-small cell lung carcinoma through restoration of an AIF-dependent apoptotic pathway. Oncogene, 2008, 27, 1981-1992.	2.6	62
51	Apoptosis and senescence are triggered by Lamellarin-D in cancer cells. European Journal of Cancer, Supplement, 2008, 6, 98-99.	2.2	0
52	Inhibition of DNA binding of the NF-Y transcription factor by the pyrrolobenzodiazepine-polyamide conjugate GWL-78. Molecular Cancer Therapeutics, 2008, 7, 1319-1328.	1.9	52
53	Camptothecins for drug design, cancer cell death and gene targeting. , 2008, , 173-197.		2
54	Synthesis and biophysical evaluation of minor-groove binding C-terminus modified pyrrole and imidazole triamide analogs of distamycin. Bioorganic and Medicinal Chemistry, 2007, 15, 474-483.	1.4	16

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55	Relationships between DNA strand breakage and apoptotic progression upon treatment of HL-60 leukemia cells with tafluposide or etoposide. Anti-Cancer Drugs, 2006, 17, 155-164.	0.7	32
56	Synthesis and Evaluation of an Intercalator-Polyamide Hairpin Designed to Target the Inverted CCAAT Box 2 in the Topoisomerase IIÎ± Promoter. ChemBioChem, 2006, 7, 1722-1729.	1.3	10
57	Cancer Cell Mitochondria Are Direct Proapoptotic Targets for the Marine Antitumor Drug Lamellarin D. Cancer Research, 2006, 66, 3177-3187.	0.4	153
58	DNase I Footprinting of Small Molecule Binding Sites on DNA. , 2005, 288, 319-342.		14
59	Induction of apoptosis by the plant alkaloid sampangine in human HL-60 leukemia cells is mediated by reactive oxygen species. European Journal of Pharmacology, 2005, 525, 32-40.	1.7	33
60	Ventricular Myocyte Caspases Are Directly Responsible for Endotoxin-Induced Cardiac Dysfunction. Circulation, 2005, 111, 2596-2604.	1.6	116
61	Lamellarin D: a novel pro-apoptotic agent from marine origin insensitive to P-glycoprotein-mediated drug efflux. Cancer Letters, 2005, 221, 165-175.	3.2	85
62	Mitochondrial proliferation during apoptosis induced by anticancer agents: effects of doxorubicin and mitoxantrone on cancer and cardiac cells. Oncogene, 2004, 23, 7018-7030.	2.6	167
63	Synthesis of diphenylcarbazoles as cytotoxic DNA binding agents. Organic and Biomolecular Chemistry, 2004, 2, 1476-1483.	1.5	20
64	Apoptosis Induced by the Alkaloid Sampangine in HL-60 Leukemia Cells. Annals of the New York Academy of Sciences, 2003, 1010, 331-334.	1.8	22
65	Cytotoxicity and DNA binding properties of the plant alkaloid burasaine. European Journal of Pharmaceutical Sciences, 2003, 20, 383-391.	1.9	44
66	Plasma stability of two glycosyl indolocarbazole antitumor agents. Biochemical Pharmacology, 2003, 65, 25-34.	2.0	7
67	Induction of apoptosis in HL-60 leukemia and B16 melanoma cells by the acronycine derivative S23906-1. Biochemical Pharmacology, 2002, 63, 1443-1452.	2.0	39
68	Relationship between Cell Cycle Changes and Variations of the Mitochondrial Membrane Potential Induced by Etoposide. Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications, 2000, 4, 37-42.	1.7	43
69	Lamellarin Alkaloids: Structure and Pharmacological Properties. , 0, , 171-187.		3