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	Targeting Chelatable Iron as a Therapeutic Modality in Parkinson's Disease. Antioxidants and Redox Signaling, 2014, 21, 195-210.	2.5	488
2	Farnesoid X receptor inhibits glucagon-like peptide-1 production by enteroendocrine L cells. Nature Communications, 2015, 6, 7629.	5.8	274
3	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
4	Cancer Cell Mitochondria Are Direct Proapoptotic Targets for the Marine Antitumor Drug Lamellarin D. Cancer Research, 2006, 66, 3177-3187.	0.4	153
5	Mitochondrial spare respiratory capacity: Mechanisms, regulation, and significance in nonâ€transformed and cancer cells. FASEB Journal, 2020, 34, 13106-13124.	0.2	145
6	Mitochondrial oxidative stress is the achille's heel of melanoma cells resistant to Braf-mutant inhibitor. Oncotarget, 2013, 4, 1986-1998.	0.8	145
7	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
8	Ventricular Myocyte Caspases Are Directly Responsible for Endotoxin-Induced Cardiac Dysfunction. Circulation, 2005, 111, 2596-2604.	1.6	116
9	Mitochondrial Electron Transport Is the Cellular Target of the Oncology Drug Elesclomol. PLoS ONE, 2012, 7, e29798.	1.1	105
10	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
11	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
12	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
13	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
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	Overcoming chemoresistance of non-small cell lung carcinoma through restoration of an AIF-dependent apoptotic pathway. Oncogene, 2008, 27, 1981-1992.	2.6	62
16	AMP-Activated Protein Kinase Is Essential for the Maintenance of Energy Levels during Synaptic Activation. IScience, 2018, 9, 1-13.	1.9	59
17	Mitochondrial oxidative phosphorylation controls cancer cell's life and death decisions upon exposure to MAPK inhibitors. Oncotarget, 2016, 7, 39473-39485.	0.8	58
18	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

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19	Lipid Metabolism and Resistance to Anticancer Treatment. Biology, 2020, 9, 474.	1.3	57
20	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
21	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
22	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
23	Exploiting Mitochondrial Dysfunction for Effective Elimination of Imatinib-Resistant Leukemic Cells. PLoS ONE, 2011, 6, e21924.	1.1	49
24	Cytotoxicity and DNA binding properties of the plant alkaloid burasaine. European Journal of Pharmaceutical Sciences, 2003, 20, 383-391.	1.9	44
25	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
26	Mitochondrial inhibitors circumvent adaptive resistance to venetoclax and cytarabine combination therapy in acute myeloid leukemia. Nature Cancer, 2021, 2, 1204-1223.	5.7	42
27	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
28	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
29	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
30	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
31	Deregulation of the hypoxia inducible factor-1Î± pathway in monocytes from sporadic amyotrophic lateral sclerosis patients. Neuroscience, 2011, 172, 110-117.	1.1	30
32	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
33	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
34	Integration of Mitochondrial Targeting for Molecular Cancer Therapeutics. International Journal of Cell Biology, 2015, 2015, 1-17.	1.0	23
35	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
36	Cigarette smoke alters the ability of human dendritic cells to promote anti-Streptococcus pneumoniae Th17 response. Respiratory Research, 2016, 17, 94.	1.4	22

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37	Synthesis of diphenylcarbazoles as cytotoxic DNA binding agents. Organic and Biomolecular Chemistry, 2004, 2, 1476-1483.	1.5	20
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	DNase I Footprinting of Small Molecule Binding Sites on DNA. , 2005, 288, 319-342.		14
46	Metabolic targeting of cancer by a ubiquinone uncompetitive inhibitor of mitochondrial complex I. Cell Chemical Biology, 2022, 29, 436-450.e15.	2.5	14
47	Patient-derived tumor xenograft model to guide the use of BRAF inhibitors in metastatic melanoma. Melanoma Research, 2013, 23, 373-380.	0.6	12
48	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
49	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
50	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
51	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
52	Plasma stability of two glycosyl indolocarbazole antitumor agents. Biochemical Pharmacology, 2003, 65, 25-34.	2.0	7
53	Study of AMPK-Regulated Metabolic Fluxes in Neurons Using the Seahorse XFe Analyzer. Methods in Molecular Biology, 2018, 1732, 289-305.	0.4	7
54	Metabolic Features of Melanoma: A Gold Mine of New Therapeutic Targets?. Current Cancer Drug Targets, 2014, 14, 357-370.	0.8	7

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55	A New Strategy to Preserve and Assess Oxygen Consumption in Murine Tissues. International Journal of Molecular Sciences, 2022, 23, 109.	1.8	7
56	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
57	Polyamide Curvature and DNA Sequence Selective Recognition: Use of 4-Aminobenzamide to Adjust Curvature. Medicinal Chemistry, 2009, 5, 216-226.	0.7	6
58	Lamellarin Alkaloids: Structure and Pharmacological Properties. , 0, , 171-187.		3
59	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
60	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
61	Clinically Relevant Oxygraphic Assay to Assess Mitochondrial Energy Metabolism in Acute Myeloid Leukemia Patients. Cancers, 2021, 13, 6353.	1.7	3
62	Camptothecins for drug design, cancer cell death and gene targeting. , 2008, , 173-197.		2
63	Apoptosis and senescence are triggered by Lamellarin-D in cancer cells. European Journal of Cancer, Supplement, 2008, 6, 98-99.	2.2	0
64	Mitochondrial Metabolic Reprogramming of Melanoma Cells Exposed to BRAFV600E Inhibitor. Annals of Oncology, 2013, 24, i30.	0.6	0
65	Patient-derived tumor xenograft strategies for informed management of patients with metastatic melanoma. Melanoma Research, 2016, 26, 245-253.	0.6	0
66	Abstract 384: Role of PD-L1 immunoregulatory protein in breast cancer cells metabolic reprogramming. , 2018, , .		0
67	Mitochondrion: a critical target for the toxicity of air pollution-derived PM2.5 in healthy and COPD human bronchial epithelial cells. , 2018, , .		0
68	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
69	Mitochondrial Spare Reserve Capacity : A New Predictive Metabolic Biomarker for Aggressiveness of Acute Myeloid Leukemia. Blood, 2020, 136, 7-7.	0.6	0