Alex Lyakhovich

List of Publications by Year
in descending order

54 papers	1,497 citations	331259 21 h-index	329751 37 g-index
57 all docs	57 docs citations	57 times ranked	2315 citing authors

#	Article	IF	Citations
1	Histone H2AX and Fanconi anemia FANCD2 function in the same pathway to maintain chromosome stability. EMBO Journal, 2007, 26, 1340-1351.	3.5	115
2	Evidence of mitochondrial dysfunction and impaired ROS detoxifying machinery in Fanconi Anemia cells. Oncogene, 2014, 33, 165-172.	2.6	98
3	DNA damage response and resistance of cancer stem cells. Cancer Letters, 2020, 474, 106-117.	3.2	87
4	Rad6 overexpression induces multinucleation, centrosome amplification, abnormal mitosis, aneuploidy, and transformation. Cancer Research, 2002, 62, 2115-24.	0.4	80
5	Systematic review: molecular chemoprevention of colorectal malignancy by mesalazine. Alimentary Pharmacology and Therapeutics, 2010, 31, 202-209.	1.9	79
6	miR-99a reveals two novel oncogenic proteins E2F2 and EMR2 and represses stemness in lung cancer. Cell Death and Disease, 2017, 8, e3141-e3141.	2.7	78
7	Vitamin D and prostate cancer. Journal of Steroid Biochemistry and Molecular Biology, 2001, 76, 125-134.	1.2	57
8	Disruption of the Fanconi anemia/BRCA pathway in sporadic cancer. Cancer Letters, 2006, 232, 99-106.	3.2	56
9	Regulation of circulating endocannabinoids associated with cancer and metastases in mice and humans. Oncoscience, 2014, 1, 272-282.	0.9	47
10	Supramolecular Complex Formation between Rad6 and Proteins of the p53 Pathway during DNA Damage-Induced Response. Molecular and Cellular Biology, 2003, 23, 2463-2475.	1.1	45
11	The interplay between autophagy and tumorigenesis: exploiting autophagy as a means of anticancer therapy. Biological Reviews, 2018, 93, 152-165.	4.7	43
12	Bypassing Mechanisms of Mitochondria-Mediated Cancer Stem Cells Resistance to Chemo- and Radiotherapy. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-10.	1.9	42
13	RAD6B overexpression confers chemoresistance: RAD6 expression during cell cycle and its redistribution to chromatin during DNA damage-induced response. Oncogene, 2004, 23, 3097-3106.	2.6	39
14	Mesalamine modulates intercellular adhesion through inhibition of p-21 activated kinase-1. Biochemical Pharmacology, 2013, 85, 234-244.	2.0	38
15	Mitochondrial dysfunction and potential anticancer therapy. Medicinal Research Reviews, 2017, 37, 1275-1298.	5.0	36
16	Common Metabolic Pathways Implicated in Resistance to Chemotherapy Point to a Key Mitochondrial Role in Breast Cancer*. Molecular and Cellular Proteomics, 2019, 18, 231-244.	2.5	34
17	Targeting cancer cells through antibiotics-induced mitochondrial dysfunction requires autophagy inhibition. Cancer Letters, 2017, 384, 60-69.	3.2	33
18	Vitamin D Induced Up-Regulation of Keratinocyte Growth Factor (FGF-7/KGF) in MCF-7 Human Breast Cancer Cells. Biochemical and Biophysical Research Communications, 2000, 273, 675-680.	1.0	30

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19	Constitutive Activation of Caspase-3 and Poly ADP Ribose Polymerase Cleavage in Fanconi Anemia Cells. Molecular Cancer Research, 2010, 8, 46-56.	1.5	29
20	ILâ€6, ILâ€8, MMPâ€2, MMPâ€9 are overexpressed in Fanconi anemia cells through a NFâ€Î°B/TNFâ€Î± dependent mechanism. Molecular Carcinogenesis, 2015, 54, 1686-1699.	1.3	29
21	Evolutionary computation techniques for multiple sequence alignment. , 0, , .		26
22	ROMO1 regulates RedOx states and serves as an inducer of NF-Î°B-driven EMT factors in Fanconi anemia. Cancer Letters, 2015, 361, 33-38.	3.2	21
23	Reactive Oxygen Species-Mediated Autophagy Defines the Fate of Cancer Stem Cells. Antioxidants and Redox Signaling, 2018, 28, 1066-1079.	2.5	21
24	Damaged mitochondria in Fanconi anemia - an isolated event or a general phenomenon?. Oncoscience, 2014, 1, 287-295.	0.9	21
25	Impaired mitophagy in Fanconi anemia is dependent on mitochondrial fission. Oncotarget, 2016, 7, 58065-58074.	0.8	21
26	Modulation of N-glycosylation by mesalamine facilitates membranous E-cadherin expression in colon epithelial cells. Biochemical Pharmacology, 2014, 87, 312-320.	2.0	20
27	Mitochondria-Mediated Oxidative Stress: Old Target for New Drugs. Current Medicinal Chemistry, 2015, 22, 3040-3053.	1.2	20
28	Fanconi anemia protein FANCD2 inhibits TRF1 polyADP-ribosylation through tankyrase1-dependent manner. Genome Integrity, 2011, 2, 4.	1.0	19
29	Aging-Related Disorders and Mitochondrial Dysfunction: A Critical Review for Prospect Mitoprotective Strategies Based on Mitochondrial Nutrient Mixtures. International Journal of Molecular Sciences, 2020, 21, 7060.	1.8	19
30	New Roads to FA/BRCA Pathway: H2AX. Cell Cycle, 2007, 6, 1019-1023.	1.3	18
31	The position of the amino group on the benzene ring is critical for mesalamineÊ¼s improvement of replication fidelity. Inflammatory Bowel Diseases, 2010, 16, 576-582.	0.9	18
32	Potential roles of mitochondrial cofactors in the adjuvant mitigation of proinflammatory acute infections, as in the case of sepsis and COVID-19 pneumonia. Inflammation Research, 2021, 70, 159-170.	1.6	17
33	Damaged mitochondria and overproduction of ROS in Fanconi anemia cells. Rare Diseases (Austin, Tex) Tj ETQq1 1 0.784314 rgBT /Ov	1.8	16
34	Movement of Mitochondria with Mutant DNA through Extracellular Vesicles Helps Cancer Cells Acquire Chemoresistance. ChemMedChem, 2022, 17, .	1.6	16
35	FANCD2 depletion sensitizes cancer cells repopulation ability in vitro. Cancer Letters, 2007, 256, 186-195.	3.2	12
36	Targeting cancer stem cells with antibiotics inducing mitochondrial dysfunction as an alternative anticancer therapy. Biochemical Pharmacology, 2022, 198, 114966.	2.0	12

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37	Activation of glycogenolysis and glycolysis in breast cancer stem cell models. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165886.	1.8	11
38	Friedreich Ataxia: current state-of-the-art, and future prospects for mitochondrial-focused therapies. Translational Research, 2021, 229, 135-141.	2.2	11
39	Triphenilphosphonium Analogs of Chloramphenicol as Dual-Acting Antimicrobial and Antiproliferating Agents. Antibiotics, 2021, 10, 489.	1.5	11
40	Enhanced DNA damage response through RAD50 in triple negative breast cancer resistant and cancer stemâ€like cells contributes to chemoresistance. FEBS Journal, 2021, 288, 2184-2202.	2.2	10
41	Mitochondrial dysfunction in DDR-related cancer predisposition syndromes. Biochimica Et Biophysica Acta: Reviews on Cancer, 2016, 1865, 184-189.	3.3	9
42	Interaction of Mesalasine (5-ASA) with Translational Initiation Factors eIF4 Partially Explains 5-ASA Anti-Inflammatory and Anti-Neoplastic Activities. Medicinal Chemistry, 2011, 7, 92-98.	0.7	7
43	Mitigating the pro-oxidant state and melanogenesis of Retinitis pigmentosa: by counteracting mitochondrial dysfunction. Cellular and Molecular Life Sciences, 2021, 78, 7491-7503.	2.4	7
44	Mitoprotective Clinical Strategies in Type 2 Diabetes and Fanconi Anemia Patients: Suggestions for Clinical Management of Mitochondrial Dysfunction. Antioxidants, 2020, 9, 82.	2.2	6
45	A DIGE-based approach to study interacting proteins. Journal of Proteomics, 2007, 70, 693-695.	2.4	5
46	Re-definition and supporting evidence toward Fanconi Anemia as a mitochondrial disease: Prospects for new design in clinical management. Redox Biology, 2021, 40, 101860.	3.9	5
47	Identification of metabolic changes leading to cancer susceptibility in Fanconi anemia cells. Cancer Letters, 2021, 503, 185-196.	3.2	4
48	Geometric quantization of N=2,D=3 superanyon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 423, 293-300.	1.5	3
49	Russian science: What the scientists say. Nature, 2007, 449, 528-530.	13.7	1
50	Quick two-dimensional differential in gel electrophoresis-based method to determine length and secondary structures of telomeric DNA. Analytical Biochemistry, 2009, 384, 356-358.	1.1	1
51	G Protein Alpha 12 and 13. , 2016, , 1-15.		1
52	Inhibition of PAK-1 by Mesalazine Increases Cell Adhesion in Colorectal Cancer Cells. Gastroenterology, 2011, 140, S-402.	0.6	0
53	G Protein Alpha 12 and 13. , 2018, , 1899-1914.		0
54	GAL-R. , 2012, , 750-750.		0