

Alex Lyakhovich

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48
papers

1,147
citations

20
h-index

32
g-index

57
ext. papers

1,328
ext. citations

7.7
avg, IF

4.65
L-index

#	Paper	IF	Citations
48	Targeting cancer stem cells with antibiotics inducing mitochondrial dysfunction as an alternative anticancer therapy.. <i>Biochemical Pharmacology</i> , 2022 , 198, 114966	6	1
47	Mitigating the pro-oxidant state and melanogenesis of Retinitis pigmentosa: by counteracting mitochondrial dysfunction. <i>Cellular and Molecular Life Sciences</i> , 2021 , 78, 7491-7503	10.3	1
46	Re-definition and supporting evidence toward Fanconi Anemia as a mitochondrial disease: Prospects for new design in clinical management. <i>Redox Biology</i> , 2021 , 40, 101860	11.3	2
45	Triphenylphosphonium Analogs of Chloramphenicol as Dual-Acting Antimicrobial and Antiproliferating Agents. <i>Antibiotics</i> , 2021 , 10,	4.9	3
44	Friedreich Ataxia: current state-of-the-art, and future prospects for mitochondrial-focused therapies. <i>Translational Research</i> , 2021 , 229, 135-141	11	4
43	Identification of metabolic changes leading to cancer susceptibility in Fanconi anemia cells. <i>Cancer Letters</i> , 2021 , 503, 185-196	9.9	1
42	Potential roles of mitochondrial cofactors in the adjuvant mitigation of proinflammatory acute infections, as in the case of sepsis and COVID-19 pneumonia. <i>Inflammation Research</i> , 2021 , 70, 159-170	7.2	6
41	Enhanced DNA damage response through RAD50 in triple negative breast cancer resistant and cancer stem-like cells contributes to chemoresistance. <i>FEBS Journal</i> , 2021 , 288, 2184-2202	5.7	5
40	Activation of glycogenolysis and glycolysis in breast cancer stem cell models. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020 , 1866, 165886	6.9	7
39	DNA damage response and resistance of cancer stem cells. <i>Cancer Letters</i> , 2020 , 474, 106-117	9.9	36
38	Mitoprotective Clinical Strategies in Type 2 Diabetes and Fanconi Anemia Patients: Suggestions for Clinical Management of Mitochondrial Dysfunction. <i>Antioxidants</i> , 2020 , 9,	7.1	4
37	Aging-Related Disorders and Mitochondrial Dysfunction: A Critical Review for Prospect Mitoprotective Strategies Based on Mitochondrial Nutrient Mixtures. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	11
36	Common Metabolic Pathways Implicated in Resistance to Chemotherapy Point to a Key Mitochondrial Role in Breast Cancer. <i>Molecular and Cellular Proteomics</i> , 2019 , 18, 231-244	7.6	24
35	The interplay between autophagy and tumorigenesis: exploiting autophagy as a means of anticancer therapy. <i>Biological Reviews</i> , 2018 , 93, 152-165	13.5	37
34	Reactive Oxygen Species-Mediated Autophagy Defines the Fate of Cancer Stem Cells. <i>Antioxidants and Redox Signaling</i> , 2018 , 28, 1066-1079	8.4	18
33	Mitochondrial dysfunction and potential anticancer therapy. <i>Medicinal Research Reviews</i> , 2017 , 37, 1275-1298	14.4	24
32	Targeting cancer cells through antibiotics-induced mitochondrial dysfunction requires autophagy inhibition. <i>Cancer Letters</i> , 2017 , 384, 60-69	9.9	30

31	miR-99a reveals two novel oncogenic proteins E2F2 and EMR2 and represses stemness in lung cancer. <i>Cell Death and Disease</i> , 2017 , 8, e3141	9.8	60
30	Mitochondrial dysfunction in DDR-related cancer predisposition syndromes. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2016 , 1865, 184-9	11.2	5
29	Impaired mitophagy in Fanconi anemia is dependent on mitochondrial fission. <i>Oncotarget</i> , 2016 , 7, 58065-58074	5.5	47
28	Bypassing Mechanisms of Mitochondria-Mediated Cancer Stem Cells Resistance to Chemo- and Radiotherapy. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 1716341	6.7	34
27	ROMO1 regulates RedOx states and serves as an inducer of NF- κ B-driven EMT factors in Fanconi anemia. <i>Cancer Letters</i> , 2015 , 361, 33-8	9.9	17
26	IL-6, IL-8, MMP-2, MMP-9 are overexpressed in Fanconi anemia cells through a NF- κ B/TNF- α dependent mechanism. <i>Molecular Carcinogenesis</i> , 2015 , 54, 1686-99	5	25
25	Mitochondria-Mediated Oxidative Stress: Old Target for New Drugs. <i>Current Medicinal Chemistry</i> , 2015 , 22, 3040-53	4.3	18
24	Evidence of mitochondrial dysfunction and impaired ROS detoxifying machinery in Fanconi anemia cells. <i>Oncogene</i> , 2014 , 33, 165-72	9.2	88
23	Modulation of N-glycosylation by mesalamine facilitates membranous E-cadherin expression in colon epithelial cells. <i>Biochemical Pharmacology</i> , 2014 , 87, 312-20	6	17
22	Damaged mitochondria in Fanconi anemia - an isolated event or a general phenomenon?. <i>Oncoscience</i> , 2014 , 1, 287-95	0.8	17
21	Regulation of circulating endocannabinoids associated with cancer and metastases in mice and humans. <i>Oncoscience</i> , 2014 , 1, 272-282	0.8	37
20	Mesalamine modulates intercellular adhesion through inhibition of p-21 activated kinase-1. <i>Biochemical Pharmacology</i> , 2013 , 85, 234-44	6	34
19	Damaged mitochondria and overproduction of ROS in Fanconi anemia cells. <i>Rare Diseases (Austin, Tex)</i> , 2013 , 1, e24048		11
18	Fanconi anemia protein FANCD2 inhibits TRF1 polyADP-ribosylation through tankyrase1-dependent manner. <i>Genome Integrity</i> , 2011 , 2, 4	0.8	17
17	Interaction of mesalazine (5-ASA) with translational initiation factors eIF4 partially explains 5-ASA anti-inflammatory and anti-neoplastic activities. <i>Medicinal Chemistry</i> , 2011 , 7, 92-8	1.8	7
16	Constitutive activation of caspase-3 and Poly ADP ribose polymerase cleavage in fanconi anemia cells. <i>Molecular Cancer Research</i> , 2010 , 8, 46-56	6.6	26
15	Systematic review: molecular chemoprevention of colorectal malignancy by mesalazine. <i>Alimentary Pharmacology and Therapeutics</i> , 2010 , 31, 202-9	6.1	55
14	The position of the amino group on the benzene ring is critical for mesalamine's improvement of replication fidelity. <i>Inflammatory Bowel Diseases</i> , 2010 , 16, 576-82	4.5	14

13	Quick two-dimensional differential in gel electrophoresis-based method to determine length and secondary structures of telomeric DNA. <i>Analytical Biochemistry</i> , 2009 , 384, 356-8	3.1	1
12	Histone H2AX and Fanconi anemia FANCD2 function in the same pathway to maintain chromosome stability. <i>EMBO Journal</i> , 2007 , 26, 1340-51	13	107
11	A DIGE-based approach to study interacting proteins. <i>Journal of Proteomics</i> , 2007 , 70, 693-5		4
10	New roads to FA/BRCA pathway: H2AX. <i>Cell Cycle</i> , 2007 , 6, 1019-23	4.7	18
9	FANCD2 depletion sensitizes cancer cells repopulation ability in vitro. <i>Cancer Letters</i> , 2007 , 256, 186-95	9.9	10
8	Disruption of the Fanconi anemia/BRCA pathway in sporadic cancer. <i>Cancer Letters</i> , 2006 , 232, 99-106	9.9	41
7	RAD6B overexpression confers chemoresistance: RAD6 expression during cell cycle and its redistribution to chromatin during DNA damage-induced response. <i>Oncogene</i> , 2004 , 23, 3097-106	9.2	35
6	Supramolecular complex formation between Rad6 and proteins of the p53 pathway during DNA damage-induced response. <i>Molecular and Cellular Biology</i> , 2003 , 23, 2463-75	4.8	40
5	Rad6 overexpression induces multinucleation, centrosome amplification, abnormal mitosis, aneuploidy, and transformation. <i>Cancer Research</i> , 2002 , 62, 2115-24	10.1	69
4	Vitamin D and prostate cancer. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2001 , 76, 125-34	5.1	49
3	Vitamin D induced up-regulation of keratinocyte growth factor (FGF-7/KGF) in MCF-7 human breast cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 273, 675-80	3.4	26
2	Geometric quantization of N=2,D=3 superanyon. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 423, 293-300	4.2	2
1	Evolutionary computation techniques for multiple sequence alignment		15