

Mihalis ? Panayiotidis

List of Publications by Citations

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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.

104
papers

5,036
citations

35
h-index

70
g-index

118
ext. papers

5,962
ext. citations

5.6
avg, IF

5.73
L-index

#	Paper	IF	Citations
104	Oxidative stress, DNA methylation and carcinogenesis. <i>Cancer Letters</i> , 2008 , 266, 6-11	9.9	456
103	Comet assay in human biomonitoring studies: reliability, validation, and applications. <i>Environmental and Molecular Mutagenesis</i> , 1997 , 30, 139-46	3.2	454
102	Reactive oxygen species (ROS)--induced genetic and epigenetic alterations in human carcinogenesis. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011 , 711, 167-73	3.3	361
101	Environmental toxicity, oxidative stress and apoptosis: mīage ſtrois. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2009 , 674, 3-22	3	361
100	Oxidative stress, redox signaling, and autophagy: cell death versus survival. <i>Antioxidants and Redox Signaling</i> , 2014 , 21, 66-85	8.4	281
99	Glutathione depletion is necessary for apoptosis in lymphoid cells independent of reactive oxygen species formation. <i>Journal of Biological Chemistry</i> , 2007 , 282, 30452-65	5.4	205
98	DNA damage induced by endogenous aldehydes: current state of knowledge. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011 , 711, 13-27	3.3	188
97	The role of reactive oxygen species and oxidative stress in environmental carcinogenesis and biomarker development. <i>Chemico-Biological Interactions</i> , 2010 , 188, 334-9	5	171
96	Molecular mechanisms of pesticide-induced neurotoxicity: Relevance to Parkinson's disease. <i>Chemico-Biological Interactions</i> , 2010 , 188, 289-300	5	163
95	DNA damage and autophagy. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011 , 711, 158-66	3.3	141
94	The DNA damage response and immune signaling alliance: Is it good or bad? Nature decides when and where. <i>Pharmacology & Therapeutics</i> , 2015 , 154, 36-56	13.9	104
93	Phytochemicals in regulating fatty acid ſxidation: Potential underlying mechanisms and their involvement in obesity and weight loss. <i>Pharmacology & Therapeutics</i> , 2016 , 165, 153-63	13.9	95
92	Mitochondrial Homeostasis and Cellular Senescence. <i>Cells</i> , 2019 , 8,	7.9	77
91	Mitochondrial dysfunction in glial cells: Implications for neuronal homeostasis and survival. <i>Toxicology</i> , 2017 , 391, 109-115	4.4	70
90	Accumulation of oxidatively induced clustered DNA lesions in human tumor tissues. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2009 , 674, 131-6	3	68
89	Ex vivo assessment of lymphocyte antioxidant status using the comet assay. <i>Free Radical Research</i> , 1997 , 27, 533-7	4	68
88	A Deep Learning Framework for Predicting Response to Therapy in Cancer. <i>Cell Reports</i> , 2019 , 29, 3367-3373.e43	3.7	43

87	Metabolic Dysfunction in Parkinson's Disease: Bioenergetics, Redox Homeostasis and Central Carbon Metabolism. <i>Brain Research Bulletin</i> , 2017 , 133, 12-30	3.9	60
86	On the mechanism of ionic regulation of apoptosis: would the Na ⁺ /K ⁺ -ATPase please stand up?. <i>Acta Physiologica</i> , 2006 , 187, 205-15	5.6	59
85	DNA-PKcs deficiency leads to persistence of oxidatively induced clustered DNA lesions in human tumor cells. <i>Free Radical Biology and Medicine</i> , 2010 , 48, 1435-43	7.8	57
84	Phytochemical Profile and Evaluation of the Biological Activities of Essential Oils Derived from the Greek Aromatic Plant Species <i>Ocimum basilicum</i> , <i>Mentha spicata</i> , <i>Pimpinella anisum</i> and <i>Fortunella margarita</i> . <i>Molecules</i> , 2016 , 21,	4.8	54
83	Non-targeted radiation effects in vivo: a critical glance of the future in radiobiology. <i>Cancer Letters</i> , 2015 , 356, 34-42	9.9	53
82	The Role of Isothiocyanates as Cancer Chemo-Preventive, Chemo-Therapeutic and Anti-Melanoma Agents. <i>Antioxidants</i> , 2019 , 8,	7.1	48
81	Epigenetic therapy as a novel approach in hepatocellular carcinoma. <i>Pharmacology & Therapeutics</i> , 2015 , 145, 103-19	13.9	47
80	The role of epigenetics in environmental and occupational carcinogenesis. <i>Chemico-Biological Interactions</i> , 2010 , 188, 340-9	5	44
79	Mesenchymal stem cells in preclinical cancer cytotherapy: a systematic review. <i>Stem Cell Research and Therapy</i> , 2018 , 9, 336	8.3	41
78	Gold nanoparticles, radiations and the immune system: Current insights into the physical mechanisms and the biological interactions of this new alliance towards cancer therapy. <i>Pharmacology & Therapeutics</i> , 2017 , 178, 1-17	13.9	40
77	Pleiotrophic effects of natural products in ROS-induced carcinogenesis: the role of plant-derived natural products in oral cancer chemoprevention. <i>Cancer Letters</i> , 2012 , 327, 16-25	9.9	37
76	Dietary mastic oil extracted from <i>Pistacia lentiscus</i> var. <i>chia</i> suppresses tumor growth in experimental colon cancer models. <i>Scientific Reports</i> , 2017 , 7, 3782	4.9	36
75	Probiotics in Extraintestinal Diseases: Current Trends and New Directions. <i>Nutrients</i> , 2019 , 11,	6.7	36
74	Compromised repair of clustered DNA damage in the human acute lymphoblastic leukemia MSH2-deficient NALM-6 cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2009 , 674, 123-30	3	36
73	Viral-induced human carcinogenesis: an oxidative stress perspective. <i>Molecular BioSystems</i> , 2010 , 6, 1162-72		36
72	Arsenic-induced neurotoxicity: a mechanistic appraisal. <i>Journal of Biological Inorganic Chemistry</i> , 2019 , 24, 1305-1316	3.7	35
71	Production of a Novel Functional Fruit Beverage Consisting of Cornelian Cherry Juice and Probiotic Bacteria. <i>Antioxidants</i> , 2018 , 7,	7.1	35
70	Glucose Metabolism and AMPK Signaling Regulate Dopaminergic Cell Death Induced by Gene (βSynuclein)-Environment (Paraquat) Interactions. <i>Molecular Neurobiology</i> , 2017 , 54, 3825-3842	6.2	33

69	Autocrine signaling involved in cell volume regulation: the role of released transmitters and plasma membrane receptors. <i>Journal of Cellular Physiology</i> , 2008 , 216, 14-28	7	32
68	Molecular markers for cancer prognosis and treatment: have we struck gold?. <i>Cancer Letters</i> , 2012 , 327, 142-52	9.9	31
67	Antioxidant and Antiproliferative Properties of the Essential Oils of <i>Satureja thymbra</i> and <i>Satureja parnassica</i> and their Major Constituents. <i>Anticancer Research</i> , 2016 , 36, 5757-5763	2.3	31
66	Functional Role of Probiotics and Prebiotics on Skin Health and Disease. <i>Fermentation</i> , 2019 , 5, 41	4.7	30
65	Redox homeostasis, oxidative stress and mitophagy. <i>Mitochondrion</i> , 2020 , 51, 105-117	4.9	30
64	Effects of hyperthermia as a mitigation strategy in DNA damage-based cancer therapies. <i>Seminars in Cancer Biology</i> , 2016 , 37-38, 96-105	12.7	29
63	Silibinin protects H9c2 cardiac cells from oxidative stress and inhibits phenylephrine-induced hypertrophy: potential mechanisms. <i>Journal of Nutritional Biochemistry</i> , 2013 , 24, 586-94	6.3	28
62	Biomarkers of protein oxidation in human disease. <i>Current Molecular Medicine</i> , 2012 , 12, 681-97	2.5	27
61	Processing of clustered DNA damage in human breast cancer cells MCF-7 with partial DNA-PKcs deficiency. <i>Cancer Letters</i> , 2008 , 269, 174-83	9.9	27
60	Hyperthermia induces therapeutic effectiveness and potentiates adjuvant therapy with non-targeted and targeted drugs in an in vitro model of human malignant melanoma. <i>Scientific Reports</i> , 2018 , 8, 10724	4.9	26
59	Hyperoxia-induced DNA damage causes decreased DNA methylation in human lung epithelial-like A549 cells. <i>Antioxidants and Redox Signaling</i> , 2004 , 6, 129-36	8.4	26
58	A Novel Role of Silibinin as a Putative Epigenetic Modulator in Human Prostate Carcinoma. <i>Molecules</i> , 2016 , 22,	4.8	25
57	Metabolic Investigations of the Molecular Mechanisms Associated with Parkinson's Disease. <i>Metabolites</i> , 2017 , 7,	5.6	25
56	Cigarette smoke extract increases S-adenosylmethionine and cystathionine in human lung epithelial-like (A549) cells. <i>Chemico-Biological Interactions</i> , 2004 , 147, 87-97	5	25
55	Efficient E. coli expression strategies for production of soluble human crystallin ALDH3A1. <i>PLoS ONE</i> , 2013 , 8, e56582	3.7	23
54	From chemo-prevention to epigenetic regulation: The role of isothiocyanates in skin cancer prevention. <i>Pharmacology & Therapeutics</i> , 2018 , 190, 187-201	13.9	22
53	Ouabain-induced perturbations in intracellular ionic homeostasis regulate death receptor-mediated apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2010 , 15, 834-49	5.4	22
52	Propolis Extracts Inhibit UV-Induced Photodamage in Human Experimental In Vitro Skin Models. <i>Antioxidants</i> , 2019 , 8,	7.1	21

51	CRISPR therapeutic tools for complex genetic disorders and cancer (Review). <i>International Journal of Oncology</i> , 2018 , 53, 443-468	4.4	21
50	Surface Active Agents and Their Health-Promoting Properties: Molecules of Multifunctional Significance. <i>Pharmaceutics</i> , 2020 , 12,	6.4	21
49	Aldehyde dehydrogenase 3A1 promotes multi-modality resistance and alters gene expression profile in human breast adenocarcinoma MCF-7 cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2016 , 77, 120-128	5.6	19
48	Sulfur-containing compounds in protecting against oxidant-mediated lung diseases. <i>Current Medicinal Chemistry</i> , 2007 , 14, 2590-6	4.3	19
47	Mitochondrial Metabolism in Astrocytes Regulates Brain Bioenergetics, Neurotransmission and Redox Balance. <i>Frontiers in Neuroscience</i> , 2020 , 14, 536682	5.1	18
46	Chemical Composition and Evaluation of the Biological Properties of the Essential Oil of the Dietary Phytochemical <i>Lippia citriodora</i> . <i>Molecules</i> , 2018 , 23,	4.8	18
45	Oxidative stress-induced regulation of the methionine metabolic pathway in human lung epithelial-like (A549) cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2009 , 674, 23-30	3	18
44	Development of a Novel Experimental In Vitro Model of Isothiocyanate-induced Apoptosis in Human Malignant Melanoma Cells. <i>Anticancer Research</i> , 2016 , 36, 6303-6309	2.3	16
43	Sulforaphane and iberin are potent epigenetic modulators of histone acetylation and methylation in malignant melanoma. <i>European Journal of Nutrition</i> , 2021 , 60, 147-158	5.2	16
42	Role of the CRISPR system in controlling gene transcription and monitoring cell fate (Review). <i>Molecular Medicine Reports</i> , 2018 , 17, 1421-1427	2.9	12
41	BRCA1 involvement in toxicological responses and human cancer etiology. <i>Toxicology Letters</i> , 2009 , 188, 77-83	4.4	12
40	Protective role of taurine against oxidative stress (Review). <i>Molecular Medicine Reports</i> , 2021 , 24,	2.9	12
39	Allyl isothiocyanate regulates lysine acetylation and methylation marks in an experimental model of malignant melanoma. <i>European Journal of Nutrition</i> , 2020 , 59, 557-569	5.2	11
38	Honey Extracts Exhibit Cytoprotective Properties against UVB-Induced Photodamage in Human Experimental Skin Models. <i>Antioxidants</i> , 2020 , 9,	7.1	10
37	Iridium(iii) complexes of 1,2,4-triazines as potential bioorthogonal reagents: metal coordination facilitates luminogenic reaction with strained cyclooctynes. <i>Chemical Communications</i> , 2019 , 55, 14283-14286	5.8	10
36	Toxicity Profiling of Biosurfactants Produced by Novel Marine Bacterial Strains. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	10
35	Aldehyde dehydrogenase 3A1 confers oxidative stress resistance accompanied by altered DNA damage response in human corneal epithelial cells. <i>Free Radical Biology and Medicine</i> , 2020 , 150, 66-74	7.8	9
34	DNA-dependent protein kinase: Epigenetic alterations and the role in genomic stability of cancer. <i>Mutation Research - Reviews in Mutation Research</i> , 2019 , 780, 92-105	7	9

33	Biochemical and molecular analysis of the interaction between ERK2 MAP kinase and hypoxia inducible factor-1 <i>International Journal of Biochemistry and Cell Biology</i> , 2011 , 43, 1582-90	5.6	9
32	Harnessing the versatile role of OPG in bone oncology: counterbalancing RANKL and TRAIL signaling and beyond. <i>Clinical and Experimental Metastasis</i> , 2020 , 37, 13-30	4.7	9
31	Parathyroid hormone related protein (PTHrP)-mediated hypercalcemia in malignancy associated with anti-PD-1 immune checkpoint inhibitor treatment and related inflammatory reactions. <i>International Immunopharmacology</i> , 2019 , 77, 105942	5.8	7
30	Human aldehyde dehydrogenase 3A1 (ALDH3A1) exhibits chaperone-like function. <i>International Journal of Biochemistry and Cell Biology</i> , 2017 , 89, 16-24	5.6	6
29	Activation of a novel isoform of methionine adenosyl transferase 2A and increased S-adenosylmethionine turnover in lung epithelial cells exposed to hyperoxia. <i>Free Radical Biology and Medicine</i> , 2006 , 40, 348-58	7.8	6
28	Novel Docosahexaenoic Acid Ester of Phloridzin Inhibits Proliferation and Triggers Apoptosis in an In Vitro Model of Skin Cancer. <i>Antioxidants</i> , 2018 , 7,	7.1	6
27	Oxidative stress based-biomarkers in oral carcinogenesis: how far have we gone?. <i>Current Molecular Medicine</i> , 2012 , 12, 698-703	2.5	5
26	Effect of cell cycle growth arrest on global DNA methylation status in human lung epithelial-like (A549) cells. <i>In Vivo</i> , 2006 , 20, 861-5	2.3	5
25	Hyperthermia Suppresses Post - Proliferation and Tumor Growth in Murine Malignant Melanoma and Colon Carcinoma. <i>Anticancer Research</i> , 2019 , 39, 2307-2315	2.3	4
24	3,6-Disubstituted 1,2,4-Triazolo[3,4-]Thiadiazoles with Anticancer Activity Targeting Topoisomerase II Alpha. <i>OncoTargets and Therapy</i> , 2020 , 13, 7369-7386	4.4	4
23	Prognostic Relevance of the Relative Presence of CD4, CD8 and CD20 Expressing Tumor Infiltrating Lymphocytes in Operable Non-small Cell Lung Cancer Patients. <i>Anticancer Research</i> , 2021 , 41, 3989-3995	2.3	4
22	Azasteroid Alkylators as Dual Inhibitors of AKT and ERK Signaling for the Treatment of Ovarian Carcinoma. <i>Cancers</i> , 2020 , 12,	6.6	3
21	Marine-Derived Surface Active Agents: Health-Promoting Properties and Blue Biotechnology-Based Applications. <i>Biomolecules</i> , 2020 , 10,	5.9	3
20	Isothiocyanate-induced Cell Cycle Arrest in a Novel Exposure Protocol of Human Malignant Melanoma (A375) Cells. <i>Anticancer Research</i> , 2019 , 39, 591-596	2.3	3
19	Endocrine adverse events related with immune checkpoint inhibitors: an update for clinicians. <i>Immunotherapy</i> , 2020 , 12, 481-510	3.8	3
18	Anticancer activity of a novel methylated analogue of L-mimosine against an in vitro model of human malignant melanoma. <i>Investigational New Drugs</i> , 2020 , 38, 621-633	4.3	3
17	Benzyl and phenethyl isothiocyanates as promising epigenetic drug compounds by modulating histone acetylation and methylation marks in malignant melanoma. <i>Investigational New Drugs</i> , 2021 , 39, 1460-1468	4.3	2
16	Aldehyde Dehydrogenase 1B1 Is Associated with Altered Cell Morphology, Proliferation, Migration and Chemosensitivity in Human Colorectal Adenocarcinoma Cells. <i>Biomedicines</i> , 2021 , 9,	4.8	2

15	Molecular epidemiology of SARS-CoV-2 in Cyprus. <i>PLoS ONE</i> , 2021 , 16, e0248792	3.7	2
14	Oxidative Stress and Redox Signaling in Carcinogenesis 2013 , 203-236		1
13	In-vitro assessment of Jurkat T-cells response to 1966 MHz electromagnetic fields in a GTEM cell. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 2592-5	0.9	1
12	Effects of a Novel Thiadiazole Derivative with High Anticancer Activity on Cancer Cell Immunogenic Markers: Mismatch Repair System, PD-L1 Expression, and Tumor Mutation Burden. <i>Pharmaceutics</i> , 2021 , 13,	6.4	1
11	Omega-3 fatty acids promote neuroprotection, decreased apoptosis and reduced glial cell activation in the retina of a mouse model of OPA1-related autosomal dominant optic atrophy.. <i>Experimental Eye Research</i> , 2021 , 215, 108901	3.7	1
10	Osteoporosis Entwined with Cardiovascular Disease: The Implication of Osteoprotegerin and the Example of Statins. <i>Current Medicinal Chemistry</i> , 2021 , 28, 1443-1467	4.3	1
9	An Evaluation of the Anti-Carcinogenic Response of Major Isothiocyanates in Non-Metastatic and Metastatic Melanoma Cells. <i>Antioxidants</i> , 2021 , 10,	7.1	1
8	A novel methylated analogue of L-Mimosine exerts its therapeutic potency through ROS production and ceramide-induced apoptosis in malignant melanoma. <i>Investigational New Drugs</i> , 2021 , 39, 971-986	4.3	1
7	Cereal and Confectionary Packaging: Background, Application and Shelf-Life Extension.. <i>Foods</i> , 2022 , 11,	4.9	1
6	Thermal activation of Ti(1-x)Au(x) thin films with enhanced hardness and biocompatibility.. <i>Bioactive Materials</i> , 2022 , 15, 426-445	16.7	1
5	Survival Mechanisms and Xenobiotic Susceptibility of Keratinocytes Exposed to Metal-Derived Nanoparticles. <i>Chemical Research in Toxicology</i> , 2020 , 33, 536-552	4	0
4	Cruciferous Vegetables-Based Isothiocyanate Compounds as Novel Epigenetic Modulators in Human Malignant Melanoma. <i>Medical Sciences Forum</i> , 2021 , 2, 10		
3	Repurposing denosumab in breast cancer beyond prevention of skeletal related events: Could nonclinical data be translated into clinical practice?. <i>Expert Review of Clinical Pharmacology</i> , 2020 , 13, 1235-1252	3.8	
2	Prophylactic lymph node dissection in clinically N0 differentiated thyroid carcinoma: example of personalized treatment. <i>Personalized Medicine</i> , 2020 , 17, 317-338	2.2	
1	Effectiveness of Hyperthermia as Monotherapy and Adjuvant Therapy Approaches Against an Model of Colorectal Carcinoma.. <i>Anticancer Research</i> , 2022 , 42, 2363-2374	2.3	