Aglaia Pappa

List of Publications by Citations

96 papers	4,475 citations	34 h-index	65 g-index
104 ext. papers	5,312 ext. citations	5.2 avg, IF	5.51 L-index

#	Paper	IF	Citations
96	Reactive oxygen species (ROS)--induced genetic and epigenetic alterations in human carcinogenesis. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2011**, 711, 167-73	3.3	361
95	The central role of glutathione in the pathophysiology of human diseases. *Archives of Physiology and Biochemistry*, **2007**, 113, 234-58	2.2	357
94	Oxidative stress, redox signaling, and autophagy: cell death versus survival. *Antioxidants and Redox Signaling*, **2014**, 21, 66-85	8.4	281
93	Role of aldehyde dehydrogenases in endogenous and xenobiotic metabolism. *Chemico-Biological Interactions*, **2000**, 129, 1-19	5	281
92	Role of human aldehyde dehydrogenases in endobiotic and xenobiotic metabolism. *Drug Metabolism Reviews*, **2004**, 36, 279-99	7	232
91	DNA damage induced by endogenous aldehydes: current state of knowledge. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2011**, 711, 13-27	3.3	188
90	The role of reactive oxygen species and oxidative stress in environmental carcinogenesis and biomarker development. *Chemico-Biological Interactions*, **2010**, 188, 334-9	5	171
89	Reactive oxygen species and HIF-1 signalling in cancer. *Cancer Letters*, **2008**, 266, 12-20	9.9	159
88	Aldehyde dehydrogenase 7A1 (ALDH7A1) is a novel enzyme involved in cellular defense against hyperosmotic stress. *Journal of Biological Chemistry*, **2010**, 285, 18452-63	5.4	140
87	Human aldehyde dehydrogenase 3A1 (ALDH3A1): biochemical characterization and immunohistochemical localization in the cornea. *Biochemical Journal*, **2003**, 376, 615-23	3.8	132
86	Polymorphisms of human aldehyde dehydrogenases. Consequences for drug metabolism and disease. *Pharmacology*, **2000**, 61, 192-8	2.3	128
85	Aldh3a1 protects human corneal epithelial cells from ultraviolet- and 4-hydroxy-2-nonenal-induced oxidative damage. *Free Radical Biology and Medicine*, **2003**, 34, 1178-89	7.8	93
84	Antioxidant gene therapy against neuronal cell death. *Pharmacology & Therapeutics*, **2014**, 142, 206-30	13.9	77
83	Human aldehyde dehydrogenase 3A1 inhibits proliferation and promotes survival of human corneal epithelial cells. *Journal of Biological Chemistry*, **2005**, 280, 27998-8006	5.4	72
82	Autophagy and lysosomal related protein expression patterns in human glioblastoma. *Cancer Biology and Therapy*, **2014**, 15, 1468-78	4.6	71
81	Mitochondrial dysfunction in glial cells: Implications for neuronal homeostasis and survival. *Toxicology*, **2017**, 391, 109-115	4.4	70
80	Metabolic Dysfunction in Parkinson's Disease: Bioenergetics, Redox Homeostasis and Central Carbon Metabolism. *Brain Research Bulletin*, **2017**, 133, 12-30	3.9	60

79	Myofibroblast differentiation modulates keratocyte crystallin protein expression, concentration, and cellular light scattering **2012**, 53, 770-8		58
78	Aldehyde dehydrogenase gene superfamily: the 2000 update. *Chemico-Biological Interactions*, **2001**, 130-132, 323-37	5	56
77	Phytochemical Profile and Evaluation of the Biological Activities of Essential Oils Derived from the Greek Aromatic Plant Species Ocimum basilicum, Mentha spicata, Pimpinella anisum and Fortunella margarita. *Molecules*, **2016**, 21,	4.8	54
76	The Role of Isothiocyanates as Cancer Chemo-Preventive, Chemo-Therapeutic and Anti-Melanoma Agents. *Antioxidants*, **2019**, 8,	7.1	48
75	Antioxidant function of corneal ALDH3A1 in cultured stromal fibroblasts. *Free Radical Biology and Medicine*, **2006**, 41, 1459-69	7.8	48
74	Molecular cloning, baculovirus expression, and tissue distribution of the zebrafish aldehyde dehydrogenase 2. *Drug Metabolism and Disposition*, **2005**, 33, 649-56	4	48
73	Corneal and stomach expression of aldehyde dehydrogenases: from fish to mammals. *Chemico-Biological Interactions*, **2001**, 130-132, 181-91	5	48
72	Epigenetic therapy as a novel approach in hepatocellular carcinoma. *Pharmacology & Therapeutics*, **2015**, 145, 103-19	13.9	47
71	The role of epigenetics in environmental and occupational carcinogenesis. *Chemico-Biological Interactions*, **2010**, 188, 340-9	5	44
70	Citrus medica essential oil exhibits significant antimicrobial and antiproliferative activity. *LWT - Food Science and Technology*, **2017**, 84, 344-352	5.4	43
69	Molecular cloning and baculovirus expression of the rabbit corneal aldehyde dehydrogenase (ALDH1A1) cDNA. *DNA and Cell Biology*, **2003**, 22, 329-38	3.6	42
68	Molecular mechanisms of ALDH3A1-mediated cellular protection against 4-hydroxy-2-nonenal. *Free Radical Biology and Medicine*, **2012**, 52, 1937-44	7.8	39
67	DNA vaccines to attack cancer: Strategies for improving immunogenicity and efficacy. *Pharmacology & Therapeutics*, **2016**, 165, 32-49	13.9	38
66	Pleiotrophic effects of natural products in ROS-induced carcinogenesis: the role of plant-derived natural products in oral cancer chemoprevention. *Cancer Letters*, **2012**, 327, 16-25	9.9	37
65	Dietary mastic oil extracted from Pistacia lentiscus var. chia suppresses tumor growth in experimental colon cancer models. *Scientific Reports*, **2017**, 7, 3782	4.9	36
64	Probiotics in Extraintestinal Diseases: Current Trends and New Directions. *Nutrients*, **2019**, 11,	6.7	36
63	Arsenic-induced neurotoxicity: a mechanistic appraisal. *Journal of Biological Inorganic Chemistry*, **2019**, 24, 1305-1316	3.7	35
62	Glucose Metabolism and AMPK Signaling Regulate Dopaminergic Cell Death Induced by Gene (Ⅲ-Synuclein)-Environment (Paraquat) Interactions. *Molecular Neurobiology*, **2017**, 54, 3825-3842	6.2	33

61	Antioxidant and Antiproliferative Properties of the Essential Oils of Satureja thymbra and Satureja parnassica and their Major Constituents. *Anticancer Research*, **2016**, 36, 5757-5763	2.3	31
60	Redox homeostasis, oxidative stress and mitophagy. *Mitochondrion*, **2020**, 51, 105-117	4.9	30
59	Effects of hyperthermia as a mitigation strategy in DNA damage-based cancer therapies. *Seminars in Cancer Biology*, **2016**, 37-38, 96-105	12.7	29
58	Silibinin protects H9c2 cardiac cells from oxidative stress and inhibits phenylephrine-induced hypertrophy: potential mechanisms. *Journal of Nutritional Biochemistry*, **2013**, 24, 586-94	6.3	28
57	Ultraviolet radiation decreases expression and induces aggregation of corneal ALDH3A1. *Chemico-Biological Interactions*, **2003**, 143-144, 45-53	5	28
56	Biomarkers of protein oxidation in human disease. *Current Molecular Medicine*, **2012**, 12, 681-97	2.5	27
55	Immune Responses Raised in an Experimental Colon Carcinoma Model Following Oral Administration of. *Cancers*, **2020**, 12,	6.6	26
54	Hyperthermia induces therapeutic effectiveness and potentiates adjuvant therapy with non-targeted and targeted drugs in an in vitro model of human malignant melanoma. *Scientific Reports*, **2018**, 8, 10724	4.9	26
53	Extraction, Chemical Composition, and Anticancer Potential of L. Essential Oil. *Molecules*, **2019**, 24,	4.8	26
52	A Novel Role of Silibinin as a Putative Epigenetic Modulator in Human Prostate Carcinoma. *Molecules*, **2016**, 22,	4.8	25
51	Metabolic Investigations of the Molecular Mechanisms Associated with Parkinson's Disease. *Metabolites*, **2017**, 7,	5.6	25
50	Purification of a candidate gonadotrophin surge attenuating factor from human follicular fluid. *Human Reproduction*, **1999**, 14, 1449-56	5.7	25
49	Involvement of p65 in the regulation of NF-kappaB in rat hepatic stellate cells during cirrhosis. *Biochemical and Biophysical Research Communications*, **2000**, 273, 546-50	3.4	23
48	Efficient E. coli expression strategies for production of soluble human crystallin ALDH3A1. *PLoS ONE*, **2013**, 8, e56582	3.7	23
47	From chemo-prevention to epigenetic regulation: The role of isothiocyanates in skin cancer prevention. *Pharmacology & Therapeutics*, **2018**, 190, 187-201	13.9	22
46	K5 displays adhesion, anti-proliferative activity and apoptotic effects in human colon cancer cells. *Beneficial Microbes*, **2018**, 9, 975-983	4.9	22
45	Propolis Extracts Inhibit UV-Induced Photodamage in Human Experimental In Vitro Skin Models. *Antioxidants*, **2019**, 8,	7.1	21
44	Composition, antimicrobial, antioxidant, and antiproliferative activity of Origanum dictamnus (dittany) essential oil. *Microbial Ecology in Health and Disease*, **2015**, 26, 26543		21

43	Surface Active Agents and Their Health-Promoting Properties: Molecules of Multifunctional Significance. *Pharmaceutics*, **2020**, 12,	6.4	21
42	Aldehyde dehydrogenase 3A1 promotes multi-modality resistance and alters gene expression profile in human breast adenocarcinoma MCF-7 cells. *International Journal of Biochemistry and Cell Biology*, **2016**, 77, 120-128	5.6	19
41	Sulfur-containing compounds in protecting against oxidant-mediated lung diseases. *Current Medicinal Chemistry*, **2007**, 14, 2590-6	4.3	19
40	Mitochondrial Metabolism in Astrocytes Regulates Brain Bioenergetics, Neurotransmission and Redox Balance. *Frontiers in Neuroscience*, **2020**, 14, 536682	5.1	18
39	Chemical Composition and Evaluation of the Biological Properties of the Essential Oil of the Dietary Phytochemical Lippia citriodora. *Molecules*, **2018**, 23,	4.8	18
38	Oxidative stress-induced regulation of the methionine metabolic pathway in human lung epithelial-like (A549) cells. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **2009**, 674, 23-30	3	18
37	Survival Fraction at 2 Gy and H2AX Expression Kinetics in Peripheral Blood Lymphocytes From Cancer Patients: Relationship With Acute Radiation-Induced Toxicities. *International Journal of Radiation Oncology Biology Physics*, **2015**, 92, 667-74	4	17
36	Involvement of the electrophile responsive element and p53 in the activation of hepatic stellate cells as a response to electrophile menadione. *Archives of Biochemistry and Biophysics*, **2003**, 413, 164-71	4.1	16
35	Development of a Novel Experimental In Vitro Model of Isothiocyanate-induced Apoptosis in Human Malignant Melanoma Cells. *Anticancer Research*, **2016**, 36, 6303-6309	2.3	16
34	Sulforaphane and iberin are potent epigenetic modulators of histone acetylation and methylation in malignant melanoma. *European Journal of Nutrition*, **2021**, 60, 147-158	5.2	16
33	Anticancer Activity of Essential Oils and Other Extracts from Aromatic Plants Grown in Greece. *Antioxidants*, **2019**, 8,	7.1	15
32	Evaluation of Antioxidant and Antiproliferative Properties of L Fruit Juice. *Antioxidants*, **2019**, 8,	7.1	15
31	Protective role of taurine against oxidative stress (Review). *Molecular Medicine Reports*, **2021**, 24,	2.9	12
30	Ectonucleotidase CD73 and CD39 expression in non-small cell lung cancer relates to hypoxia and immunosuppressive pathways. *Life Sciences*, **2020**, 259, 118389	6.8	11
29	Allyl isothiocyanate regulates lysine acetylation and methylation marks in an experimental model of malignant melanoma. *European Journal of Nutrition*, **2020**, 59, 557-569	5.2	11
28	Honey Extracts Exhibit Cytoprotective Properties against UVB-Induced Photodamage in Human Experimental Skin Models. *Antioxidants*, **2020**, 9,	7.1	10
27	Toxicity Profiling of Biosurfactants Produced by Novel Marine Bacterial Strains. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	10
26	Aldehyde dehydrogenase 3A1 confers oxidative stress resistance accompanied by altered DNA damage response in human corneal epithelial cells. *Free Radical Biology and Medicine*, **2020**, 150, 66-74	7.8	9

25	Antioxidant and Cytoprotective Potential of the Essential Oil var and Its Major Components Myrcene and -Pinene. *Antioxidants*, **2021**, 10,	7.1	7
24	Human aldehyde dehydrogenase 3A1 (ALDH3A1) exhibits chaperone-like function. *International Journal of Biochemistry and Cell Biology*, **2017**, 89, 16-24	5.6	6
23	Assessment of the Antimicrobial, Antioxidant, and Antiproliferative Potential of subps. Essential Oil. *Foods*, **2020**, 9,	4.9	6
22	Activation of a novel isoform of methionine adenosyl transferase 2A and increased S-adenosylmethionine turnover in lung epithelial cells exposed to hyperoxia. *Free Radical Biology and Medicine*, **2006**, 40, 348-58	7.8	6
21	Novel Docosahexaenoic Acid Ester of Phloridzin Inhibits Proliferation and Triggers Apoptosis in an In Vitro Model of Skin Cancer. *Antioxidants*, **2018**, 7,	7.1	6
20	Oxidative stress based-biomarkers in oral carcinogenesis: how far have we gone?. *Current Molecular Medicine*, **2012**, 12, 698-703	2.5	5
19	Effect of cell cycle growth arrest on global DNA methylation status in human lung epithelial-like (A549) cells. *In Vivo*, **2006**, 20, 861-5	2.3	5
18	Hyperthermia Suppresses Post - Proliferation and Tumor Growth in Murine Malignant Melanoma and Colon Carcinoma. *Anticancer Research*, **2019**, 39, 2307-2315	2.3	4
17	Prognostic Relevance of the Relative Presence of CD4, CD8 and CD20 Expressing Tumor Infiltrating Lymphocytes in Operable Non-small Cell Lung Cancer Patients. *Anticancer Research*, **2021**, 41, 3989-3995	2.3	4
16	Marine-Derived Surface Active Agents: Health-Promoting Properties and Blue Biotechnology-Based Applications. *Biomolecules*, **2020**, 10,	5.9	3
15	Enzyme immunoassays for the determination of ovine LH and FSH. *Reproduction in Domestic Animals*, **2003**, 38, 367-72	1.6	3
14	Isothiocyanate-induced Cell Cycle Arrest in a Novel Exposure Protocol of Human Malignant Melanoma (A375) Cells. *Anticancer Research*, **2019**, 39, 591-596	2.3	3
13	Anticancer Activity of Biogenic Selenium Nanoparticles: Apoptotic and Immunogenic Cell Death Markers in Colon Cancer Cells. *Cancers*, **2021**, 13,	6.6	3
12	Antitumor Potential of Essential Oil in Breast Tumor-Bearing Mice. *Antioxidants*, **2021**, 10,	7.1	3
11	Anticancer activity of a novel methylated analogue of L-mimosine against an in vitro model of human malignant melanoma. *Investigational New Drugs*, **2020**, 38, 621-633	4.3	3
10	Benzyl and phenethyl isothiocyanates as promising epigenetic drug compounds by modulating histone acetylation and methylation marks in malignant melanoma. *Investigational New Drugs*, **2021**, 39, 1460-1468	4.3	2
9	Aldehyde Dehydrogenase 1B1 Is Associated with Altered Cell Morphology, Proliferation, Migration and Chemosensitivity in Human Colorectal Adenocarcinoma Cells. *Biomedicines*, **2021**, 9,	4.8	2
8	A New Controlled Release System for Propolis Polyphenols and Its Biochemical Activity for Skin Applications. *Plants*, **2021**, 10,	4.5	2

7	Improving the Subcutaneous Mouse Tumor Model by Effective Manipulation of Magnetic Nanoparticles-Treated Implanted Cancer Cells. *Annals of Biomedical Engineering*, **2018**, 46, 1975-1987	4.7	1
6	Oxidative Stress and Redox Signaling in Carcinogenesis **2013**, 203-236		1
5	In-vitro assessment of Jurkat T-cells response to 1966 MHz electromagnetic fields in a GTEM cell. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2015**, 2015, 2592-5	0.9	1
4	Profiling of Aldehyde Dehydrogenase Isoforms in Formed Tumorspheres. *Anticancer Research*, **2021**, 41, 5481-5488	2.3	1
3	An Evaluation of the Anti-Carcinogenic Response of Major Isothiocyanates in Non-Metastatic and Metastatic Melanoma Cells. *Antioxidants*, **2021**, 10,	7.1	1
2	A novel methylated analogue of L-Mimosine exerts its therapeutic potency through ROS production and ceramide-induced apoptosis in malignant melanoma. *Investigational New Drugs*, **2021**, 39, 971-986	4.3	1
1	Survival Mechanisms and Xenobiotic Susceptibility of Keratinocytes Exposed to Metal-Derived Nanoparticles. *Chemical Research in Toxicology*, **2020**, 33, 536-552	4	0