

Aglaia Pappa

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

6,194
citations

81743

39
h-index

76769

74
g-index

104
all docs

104
docs citations

104
times ranked

9806
citing authors

#	ARTICLE	IF	CITATIONS
1	Reactive Oxygen Species (ROS)â€“â€“Induced genetic and epigenetic alterations in human carcinogenesis. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2011, 711, 167-173.	0.4	437
2	The central role of glutathione in the pathophysiology of human diseases. Archives of Physiology and Biochemistry, 2007, 113, 234-258.	1.0	432
3	Oxidative Stress, Redox Signaling, and Autophagy: Cell Death versus Survival. Antioxidants and Redox Signaling, 2014, 21, 66-85.	2.5	352
4	Role of aldehyde dehydrogenases in endogenous and xenobiotic metabolism. Chemico-Biological Interactions, 2000, 129, 1-19.	1.7	335
5	Role of Human Aldehyde Dehydrogenases in Endobiotic and Xenobiotic Metabolism. Drug Metabolism Reviews, 2004, 36, 279-299.	1.5	269
6	DNA damage induced by endogenous aldehydes: Current state of knowledge. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2011, 711, 13-27.	0.4	236
7	The role of reactive oxygen species and oxidative stress in environmental carcinogenesis and biomarker development. Chemico-Biological Interactions, 2010, 188, 334-339.	1.7	227
8	Reactive oxygen species and HIF-1 signalling in cancer. Cancer Letters, 2008, 266, 12-20.	3.2	186
9	Aldehyde Dehydrogenase 7A1 (ALDH7A1) Is a Novel Enzyme Involved in Cellular Defense against Hyperosmotic Stress. Journal of Biological Chemistry, 2010, 285, 18452-18463.	1.6	160
10	Polymorphisms of Human Aldehyde Dehydrogenases. Pharmacology, 2000, 61, 192-198.	0.9	145
11	Human aldehyde dehydrogenase 3A1 (ALDH3A1): biochemical characterization and immunohistochemical localization in the cornea. Biochemical Journal, 2003, 376, 615-623.	1.7	143
12	Antioxidant gene therapy against neuronal cell death. , 2014, 142, 206-230.		120
13	Metabolic Dysfunction in Parkinsonâ€™s Disease: Bioenergetics, Redox Homeostasis and Central Carbon Metabolism. Brain Research Bulletin, 2017, 133, 12-30.	1.4	115
14	Aldh3a1 protects human corneal epithelial cells from ultraviolet- and 4-hydroxy-2-nonenal-induced oxidative damage. Free Radical Biology and Medicine, 2003, 34, 1178-1189.	1.3	110
15	Mitochondrial dysfunction in glial cells: Implications for neuronal homeostasis and survival. Toxicology, 2017, 391, 109-115.	2.0	107
16	Arsenic-induced neurotoxicity: a mechanistic appraisal. Journal of Biological Inorganic Chemistry, 2019, 24, 1305-1316.	1.1	94
17	Human Aldehyde Dehydrogenase 3A1 Inhibits Proliferation and Promotes Survival of Human Corneal Epithelial Cells. Journal of Biological Chemistry, 2005, 280, 27998-28006.	1.6	86
18	Redox homeostasis, oxidative stress and mitophagy. Mitochondrion, 2020, 51, 105-117.	1.6	85

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19	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, 1069.	1.7	83
20	Autophagy and lysosomal related protein expression patterns in human glioblastoma. <i>Cancer Biology and Therapy</i> , 2014, 15, 1468-1478.	1.5	80
21	The Role of Isothiocyanates as Cancer Chemo-Preventive, Chemo-Therapeutic and Anti-Melanoma Agents. <i>Antioxidants</i> , 2019, 8, 106.	2.2	80
22	Protective role of taurine against oxidative stress (Review). <i>Molecular Medicine Reports</i> , 2021, 24, .	1.1	80
23	Mitochondrial Metabolism in Astrocytes Regulates Brain Bioenergetics, Neurotransmission and Redox Balance. <i>Frontiers in Neuroscience</i> , 2020, 14, 536682.	1.4	77
24	Myofibroblast Differentiation Modulates Keratocyte Crystallin Protein Expression, Concentration, and Cellular Light Scattering. , 2012, 53, 770.		72
25	Citrus medica essential oil exhibits significant antimicrobial and antiproliferative activity. <i>LWT - Food Science and Technology</i> , 2017, 84, 344-352.	2.5	72
26	Aldehyde dehydrogenase gene superfamily: the 2000 update. <i>Chemico-Biological Interactions</i> , 2001, 130-132, 323-337.	1.7	64
27	Antioxidant function of corneal ALDH3A1 in cultured stromal fibroblasts. <i>Free Radical Biology and Medicine</i> , 2006, 41, 1459-1469.	1.3	61
28	Epigenetic therapy as a novel approach in hepatocellular carcinoma. , 2015, 145, 103-119.		59
29	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.	1.6	58
30	DNA vaccines to attack cancer: Strategies for improving immunogenicity and efficacy. , 2016, 165, 32-49.		57
31	Corneal and stomach expression of aldehyde dehydrogenases: from fish to mammals. <i>Chemico-Biological Interactions</i> , 2001, 130-132, 181-191.	1.7	56
32	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.	1.6	55
33	Immune Responses Raised in an Experimental Colon Carcinoma Model Following Oral Administration of <i>Lactobacillus casei</i> . <i>Cancers</i> , 2020, 12, 368.	1.7	55
34	The role of epigenetics in environmental and occupational carcinogenesis. <i>Chemico-Biological Interactions</i> , 2010, 188, 340-349.	1.7	53
35	Effects of hyperthermia as a mitigation strategy in DNA damage-based cancer therapies. <i>Seminars in Cancer Biology</i> , 2016, 37-38, 96-105.	4.3	51
36	Extraction, Chemical Composition, and Anticancer Potential of <i>Origanum onites</i> L. Essential Oil. <i>Molecules</i> , 2019, 24, 2612.	1.7	51

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37	MOLECULAR CLONING, BACULOVIRUS EXPRESSION, AND TISSUE DISTRIBUTION OF THE ZEBRAFISH ALDEHYDE DEHYDROGENASE 2. <i>Drug Metabolism and Disposition</i> , 2005, 33, 649-656.	1.7	49
38	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.	3.2	49
39	Molecular mechanisms of ALDH3A1-mediated cellular protection against 4-hydroxy-2-nonenal. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1937-1944.	1.3	49
40	Probiotics in Extraintestinal Diseases: Current Trends and New Directions. <i>Nutrients</i> , 2019, 11, 788.	1.7	48
41	Molecular Cloning and Baculovirus Expression of the Rabbit Corneal Aldehyde Dehydrogenase (ALDH1A1) cDNA. <i>DNA and Cell Biology</i> , 2003, 22, 329-338.	0.9	43
42	Glucose Metabolism and AMPK Signaling Regulate Dopaminergic Cell Death Induced by Gene (\pm -Synuclein)-Environment (Paraquat) Interactions. <i>Molecular Neurobiology</i> , 2017, 54, 3825-3842.	1.9	40
43	A Novel Role of Silibinin as a Putative Epigenetic Modulator in Human Prostate Carcinoma. <i>Molecules</i> , 2017, 22, 62.	1.7	40
44	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, 5757-5764.	0.5	40
45	Metabolic Investigations of the Molecular Mechanisms Associated with Parkinson's Disease. <i>Metabolites</i> , 2017, 7, 22.	1.3	39
46	<i>Lactobacillus paracasei</i> K5 displays adhesion, anti-proliferative activity and apoptotic effects in human colon cancer cells. <i>Beneficial Microbes</i> , 2018, 9, 975-983.	1.0	39
47	Surface Active Agents and Their Health-Promoting Properties: Molecules of Multifunctional Significance. <i>Pharmaceutics</i> , 2020, 12, 688.	2.0	39
48	Propolis Extracts Inhibit UV-Induced Photodamage in Human Experimental In Vitro Skin Models. <i>Antioxidants</i> , 2019, 8, 125.	2.2	36
49	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, 123.	1.7	35
50	Anticancer Activity of Essential Oils and Other Extracts from Aromatic Plants Grown in Greece. <i>Antioxidants</i> , 2019, 8, 290.	2.2	35
51	Ultraviolet radiation decreases expression and induces aggregation of corneal ALDH3A1. <i>Chemico-Biological Interactions</i> , 2003, 143-144, 45-53.	1.7	34
52	Biomarkers of Protein Oxidation in Human Disease. <i>Current Molecular Medicine</i> , 2012, 12, 681-697.	0.6	34
53	Ectonucleotidase CD73 and CD39 expression in non-small cell lung cancer relates to hypoxia and immunosuppressive pathways. <i>Life Sciences</i> , 2020, 259, 118389.	2.0	34
54	Silibinin protects H9c2 cardiac cells from oxidative stress and inhibits phenylephrine-induced hypertrophy: potential mechanisms. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 586-594.	1.9	33

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55	From chemo-prevention to epigenetic regulation: The role of isothiocyanates in skin cancer prevention. , 2018, 190, 187-201.		33
56	Efficient E. coli Expression Strategies for Production of Soluble Human Crystallin ALDH3A1. PLoS ONE, 2013, 8, e56582.	1.1	32
57	Purification of a candidate gonadotrophin surge attenuating factor from human follicular fluid. Human Reproduction, 1999, 14, 1449-1456.	0.4	30
58	Antioxidant and Cytoprotective Potential of the Essential Oil Pistacia lentiscus var. chia and Its Major Components Myrcene and α -Pinene. Antioxidants, 2021, 10, 127.	2.2	28
59	Evaluation of Antioxidant and Antiproliferative Properties of Cornus mas L. Fruit Juice. Antioxidants, 2019, 8, 377.	2.2	27
60	Anticancer Activity of Biogenic Selenium Nanoparticles: Apoptotic and Immunogenic Cell Death Markers in Colon Cancer Cells. Cancers, 2021, 13, 5335.	1.7	27
61	Involvement of p65 in the Regulation of NF- κ B in Rat Hepatic Stellate Cells during Cirrhosis. Biochemical and Biophysical Research Communications, 2000, 273, 546-550.	1.0	26
62	Sulforaphane and iberin are potent epigenetic modulators of histone acetylation and methylation in malignant melanoma. European Journal of Nutrition, 2021, 60, 147-158.	1.8	26
63	Composition, antimicrobial, antioxidant, and antiproliferative activity of Origanum dictamnus (dittany) essential oil. Microbial Ecology in Health and Disease, 2015, 26, 26543.	3.8	25
64	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.	1.2	24
65	Allyl isothiocyanate regulates lysine acetylation and methylation marks in an experimental model of malignant melanoma. European Journal of Nutrition, 2020, 59, 557-569.	1.8	24
66	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.	1.3	24
67	Toxicity Profiling of Biosurfactants Produced by Novel Marine Bacterial Strains. International Journal of Molecular Sciences, 2021, 22, 2383.	1.8	24
68	Sulfur-Containing Compounds in Protecting Against Oxidant-Mediated Lung Diseases. Current Medicinal Chemistry, 2007, 14, 2590-2596.	1.2	23
69	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.	0.9	21
70	Survival Fraction at 2 Gy and γ 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, 667-674.	0.4	20
71	Development of a Novel Experimental In Vitro Model of Isothiocyanate-induced Apoptosis in Human Malignant Melanoma Cells. Anticancer Research, 2016, 36, 6303-6310.	0.5	18
72	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, 164-171.	1.4	16

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73	Human aldehyde dehydrogenase 3A1 (ALDH3A1) exhibits chaperone-like function. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 89, 16-24.	1.2	15
74	Honey Extracts Exhibit Cytoprotective Properties against UVB-Induced Photodamage in Human Experimental Skin Models. <i>Antioxidants</i> , 2020, 9, 566.	2.2	15
75	Assessment of the Antimicrobial, Antioxidant, and Antiproliferative Potential of <i>Sideritis raeseri</i> subsp. <i>raeseri</i> Essential Oil. <i>Foods</i> , 2020, 9, 860.	1.9	15
76	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.	0.5	15
77	Expression of CD47 and SIRP α Macrophage Immune-Checkpoint Pathway in Non-Small-Cell Lung Cancer. <i>Cancers</i> , 2022, 14, 1801.	1.7	15
78	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.	1.2	12
79	Marine-Derived Surface Active Agents: Health-Promoting Properties and Blue Biotechnology-Based Applications. <i>Biomolecules</i> , 2020, 10, 885.	1.8	10
80	Aldehyde Dehydrogenase 1B1 Is Associated with Altered Cell Morphology, Proliferation, Migration and Chemosensitivity in Human Colorectal Adenocarcinoma Cells. <i>Biomedicines</i> , 2021, 9, 44.	1.4	10
81	A New Controlled Release System for Propolis Polyphenols and Its Biochemical Activity for Skin Applications. <i>Plants</i> , 2021, 10, 420.	1.6	10
82	Oxidative Stress Based-Biomarkers in Oral Carcinogenesis: How Far Have We Gone?. <i>Current Molecular Medicine</i> , 2012, 12, 698-703.	0.6	9
83	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.	1.2	9
84	Evaluation of Bioactive Properties of Lipophilic Fractions of Edible and Non-Edible Parts of <i>Nasturtium officinale</i> (Watercress) in a Model of Human Malignant Melanoma Cells. <i>Pharmaceuticals</i> , 2022, 15, 141.	1.7	9
85	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, 348-358.	1.3	8
86	Novel Docosahexaenoic Acid Ester of Phloridzin Inhibits Proliferation and Triggers Apoptosis in an In Vitro Model of Skin Cancer. <i>Antioxidants</i> , 2018, 7, 188.	2.2	8
87	Antitumor Potential of <i>Lippia citriodora</i> Essential Oil in Breast Tumor-Bearing Mice. <i>Antioxidants</i> , 2021, 10, 875.	2.2	8
88	Isothiocyanate-induced Cell Cycle Arrest in a Novel In Vitro Exposure Protocol of Human Malignant Melanoma (A375) Cells. <i>Anticancer Research</i> , 2019, 39, 591-596.	0.5	7
89	Hyperthermia Suppresses Post - In Vitro Proliferation and Tumor Growth in Murine Malignant Melanoma and Colon Carcinoma. <i>Anticancer Research</i> , 2019, 39, 2307-2315.	0.5	6
90	An Evaluation of the Anti-Carcinogenic Response of Major Isothiocyanates in Non-Metastatic and Metastatic Melanoma Cells. <i>Antioxidants</i> , 2021, 10, 284.	2.2	6

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91	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.	0.6	6
92	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.	1.2	5
93	Assessment of Methodological Pipelines for the Determination of Isothiocyanates Derived from Natural Sources. <i>Antioxidants</i> , 2022, 11, 642.	2.2	5
94	Aldehyde Dehydrogenase 1B1 Is Implicated in DNA Damage Response in Human Colorectal Adenocarcinoma. <i>Cells</i> , 2022, 11, 2017.	1.8	5
95	Improving the Subcutaneous Mouse Tumor Model by Effective Manipulation of Magnetic Nanoparticles-Treated Implanted Cancer Cells. <i>Annals of Biomedical Engineering</i> , 2018, 46, 1975-1987.	1.3	4
96	Enzyme Immunoassays for the Determination of Ovine LH and FSH. <i>Reproduction in Domestic Animals</i> , 2003, 38, 367-372.	0.6	3
97	Survival Mechanisms and Xenobiotic Susceptibility of Keratinocytes Exposed to Metal-Derived Nanoparticles. <i>Chemical Research in Toxicology</i> , 2020, 33, 536-552.	1.7	3
98	Chemical and Biological Characterization of the Anticancer Potency of <i>Salvia fruticosa</i> in a Model of Human Malignant Melanoma. <i>Plants</i> , 2021, 10, 2472.	1.6	3
99	Zn(II) 5,5-Diethylbarbiturate Complex Selectively Induces Apoptosis in Breast Cancer and Breast Cancer Stem-Like Cells. <i>Chemistry and Biodiversity</i> , 2022, 19, .	1.0	2
100	In-vitro assessment of Jurkat T-cells response to 1966 MHz electromagnetic fields in a GTEM cell. , 2015, 2015, 2592-5.		1
101	Profiling of Aldehyde Dehydrogenase Isoforms in In Vitro Formed Tumorspheres. <i>Anticancer Research</i> , 2021, 41, 5481-5488.	0.5	1
102	Evaluating the Role of Probiotics in the Prevention and Management of Age-Related Diseases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3628.	1.8	1
103	Evaluation of antioxidant, antimutagenic and antiageing properties of propolis extracts in human keratinocytes under UVR exposure conditions. <i>Journal of Biotechnology</i> , 2015, 208, S105.	1.9	0