

Monica Montopoli

List of Publications by Year in descending order

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63
papers

2,081
citations

236925

25
h-index

254184

43
g-index

66
all docs

66
docs citations

66
times ranked

3554
citing authors

#	ARTICLE	IF	CITATIONS
1	Oestrogens ameliorate mitochondrial dysfunction in Leber's hereditary optic neuropathy. <i>Brain</i> , 2011, 134, 220-234.	7.6	208
2	Compartmentalized activities of the pyruvate dehydrogenase complex sustain lipogenesis in prostate cancer. <i>Nature Genetics</i> , 2018, 50, 219-228.	21.4	139
3	Metabolic Plasticity in Chemotherapy Resistance. <i>Frontiers in Oncology</i> , 2020, 10, 281.	2.8	106
4	Inhibition of glucose-6-phosphate dehydrogenase sensitizes cisplatin-resistant cells to death. <i>Oncotarget</i> , 2015, 6, 30102-30114.	1.8	101
5	Mitochondrial Involvement in Cisplatin Resistance. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3384.	4.1	88
6	The Pentose Phosphate Pathway and Its Involvement in Cisplatin Resistance. <i>International Journal of Molecular Sciences</i> , 2020, 21, 937.	4.1	86
7	Antibiotic-induced dysbiosis of the microbiota impairs gut neuromuscular function in juvenile mice. <i>British Journal of Pharmacology</i> , 2017, 174, 3623-3639.	5.4	82
8	<i>Boswellia serrata</i> Preserves Intestinal Epithelial Barrier from Oxidative and Inflammatory Damage. <i>PLoS ONE</i> , 2015, 10, e0125375.	2.5	80
9	Isoleucyl-tRNA synthetase levels modulate the penetrance of a homoplasmic m.4277T>C mitochondrial tRNA ^{Leu} mutation causing hypertrophic cardiomyopathy. <i>Human Molecular Genetics</i> , 2012, 21, 85-100.	2.9	67
10	Targeting estrogen receptor β as preventive therapeutic strategy for Leber's hereditary optic neuropathy. <i>Human Molecular Genetics</i> , 2015, 24, ddv396.	2.9	62
11	Multiple Effects of Ascorbic Acid against Chronic Diseases: Updated Evidence from Preclinical and Clinical Studies. <i>Antioxidants</i> , 2020, 9, 1182.	5.1	49
12	Links between cancer metabolism and cisplatin resistance. <i>International Review of Cell and Molecular Biology</i> , 2020, 354, 107-164.	3.2	48
13	Peculiar combinations of individually non-pathogenic missense mitochondrial DNA variants cause low penetrance Leber's hereditary optic neuropathy. <i>PLoS Genetics</i> , 2018, 14, e1007210.	3.5	47
14	Pharmacological targets of metabolism in disease: Opportunities from macrophages. , 2020, 210, 107521.		45
15	Chemical and Biological Profiles of Novel Copper(II) Complexes Containing S-Donor Ligands for the Treatment of Cancer. <i>Inorganic Chemistry</i> , 2008, 47, 6336-6343.	4.0	42
16	Zinc(II) complexes with dithiocarbamate derivatives: Structural characterisation and biological assays on cancerous cell lines. <i>Journal of Inorganic Biochemistry</i> , 2012, 117, 131-139.	3.5	41
17	Identification of novel protein kinase CK1 delta (CK1 δ) inhibitors through structure-based virtual screening. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 5672-5675.	2.2	39
18	The Bladder EpiCheck Test as a Non-Invasive Tool Based on the Identification of DNA Methylation in Bladder Cancer Cells in the Urine: A Review of Published Evidence. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6542.	4.1	38

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19	Exploring the Anticancer Potential of Diiron Bis-cyclopentadienyl Complexes with Bridging Hydrocarbyl Ligands: Behavior in Aqueous Media and <i>In Vitro</i> Cytotoxicity. <i>Organometallics</i> , 2020, 39, 645-657.	2.3	38
20	Activity of myricetin and other plant-derived polyhydroxyl compounds in human LDL and human vascular endothelial cells against oxidative stress. <i>Biomedicine and Pharmacotherapy</i> , 2016, 82, 472-478.	5.6	36
21	Aescin Protection of Human Vascular Endothelial Cells Exposed to Cobalt Chloride Mimicked Hypoxia and Inflammatory Stimuli. <i>Planta Medica</i> , 2007, 73, 285-288.	1.3	34
22	Effect of Quercetin on Cell Cycle and Cyclin Expression in Ovarian Carcinoma and Osteosarcoma Cell Lines. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	33
23	Croton lechleri sap and isolated alkaloid taspine exhibit inhibition against human melanoma SK23 and colon cancer HT29 cell lines. <i>Journal of Ethnopharmacology</i> , 2012, 144, 747-753.	4.1	32
24	Silybin counteracts doxorubicin resistance by inhibiting GLUT1 expression. <i>Farmacologia</i> , 2018, 124, 42-48.	2.2	31
25	Cisplatin liposome and 6-amino nicotinamide combination to overcome drug resistance in ovarian cancer cells. <i>Oncotarget</i> , 2018, 9, 16847-16860.	1.8	30
26	Effects of <i>Boswellia Serrata</i> Roxb. and <i>Curcuma longa</i> L. in an <i>In Vitro</i> Intestinal Inflammation Model Using Immune Cells and Caco-2. <i>Pharmaceuticals</i> , 2018, 11, 126.	3.8	27
27	CDCP1 overexpression drives prostate cancer progression and can be targeted <i>in vivo</i> . <i>Journal of Clinical Investigation</i> , 2020, 130, 2435-2450.	8.2	27
28	Antioxidants partially restore glutamate transport defect in leber hereditary optic neuropathy cybrids. <i>Journal of Neuroscience Research</i> , 2008, 86, 3331-3337.	2.9	26
29	Resveratrol as Chemosensitizer Agent: State of Art and Future Perspectives. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2049.	4.1	26
30	Human Adenocarcinoma Cell Line Sensitivity to Essential Oil Phytocomplexes from Pistacia Species: a Multivariate Approach. <i>Molecules</i> , 2017, 22, 1336.	3.8	25
31	Effect of Quercetin on Cell Cycle and Cyclin Expression in Ovarian Carcinoma and Osteosarcoma Cell Lines. <i>Natural Product Communications</i> , 2015, 10, 1365-8.	0.5	23
32	Haplogroup J mitogenomes are the most sensitive to the pesticide rotenone: Relevance for human diseases. <i>Neurobiology of Disease</i> , 2018, 114, 129-139.	4.4	22
33	Non-psychoactive <i>Cannabis sativa</i> L. phytocomplex modulates microglial inflammatory response through CB2 receptors, endocannabinoids, and NF- κ B-mediated signaling. <i>Phytotherapy Research</i> , 2022, 36, 2246-2263.	5.8	22
34	Cisplatin resistance can be curtailed by blunting Bnip3-mediated mitochondrial autophagy. <i>Cell Death and Disease</i> , 2022, 13, 398.	6.3	20
35	Cannabidiol Isolated From <i>Cannabis sativa</i> L. Protects Intestinal Barrier From <i>In Vitro</i> Inflammation and Oxidative Stress. <i>Frontiers in Pharmacology</i> , 2021, 12, 641210.	3.5	19
36	<i>Serenoa repens</i> and <i>Urtica dioica</i> Fixed Combination: <i>In-Vitro</i> Validation of a Therapy for Benign Prostatic Hyperplasia (BPH). <i>International Journal of Molecular Sciences</i> , 2020, 21, 9178.	4.1	18

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37	Pro-angiogenic activity of Urotensin-II on different human vascular endothelial cell populations. <i>Regulatory Peptides</i> , 2009, 157, 64-71.	1.9	17
38	Stable complexes formed by Grp94 with human IgG promoting angiogenic differentiation of HUVECs by a cytokine-like mechanism. <i>Molecular Immunology</i> , 2008, 45, 3639-3648.	2.2	16
39	Heteronanoparticles by Self-Assembly of Ecdysteroid and Doxorubicin Conjugates To Overcome Cancer Resistance. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 468-471.	2.8	14
40	A Fixed Combination of Probiotics and Herbal Extracts Attenuates Intestinal Barrier Dysfunction from Inflammatory Stress in an In vitro Model Using Caco-2 Cells. <i>Recent Patents on Food, Nutrition & Agriculture</i> , 2019, 10, 62-69.	0.9	14
41	Endothelium-independent vasorelaxation by ticlopidine and clopidogrel in rat caudal artery. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 63, 1056-1062.	2.4	13
42	Hereditary Spastic Paraplegia and Future Therapeutic Directions: Beneficial Effects of Small Compounds Acting on Cellular Stress. <i>Frontiers in Neuroscience</i> , 2021, 15, 660714.	2.8	13
43	The Multiple Effects of Vitamin D against Chronic Diseases: From Reduction of Lipid Peroxidation to Updated Evidence from Clinical Studies. <i>Antioxidants</i> , 2022, 11, 1090.	5.1	12
44	Protective effects of Î² taraxasterol 3-O-myristate and arnidiol 3-O-myristate isolated from <i>Calendula officinalis</i> on epithelial intestinal barrier. <i>FÄ-toterapÄ-Äç</i> , 2016, 109, 230-235.	2.2	11
45	The ecto-enzymes CD73 and adenosine deaminase modulate 5â€²-AMP-derived adenosine in myofibroblasts of the rat small intestine. <i>Purinergic Signalling</i> , 2018, 14, 409-421.	2.2	11
46	Angiogenic transforming capacity of IgG purified from plasma of type 1 diabetic patients. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 1336-1347.	3.6	10
47	Cell Cycle Control by Natural Phenols in Cisplatin-Resistant Cell Lines. <i>Natural Product Communications</i> , 2014, 9, 1934578X1400901.	0.5	10
48	<i>Cannabis sativa</i> L. Constituents and Their Role in Neuroinflammation. <i>Current Bioactive Compounds</i> , 2019, 15, 147-158.	0.5	10
49	Flavonoids Regulate Lipid Droplets Biogenesis in <i>Drosophila melanogaster</i> . <i>Natural Product Communications</i> , 2019, 14, 1934578X1985243.	0.5	9
50	Further assessment of <i>Salvia haenkei</i> as an innovative strategy to counteract skin photo-aging and restore the barrier integrity. <i>Aging</i> , 2021, 13, 89-103.	3.1	9
51	Characterization of raloxifene as a potential pharmacological agent against SARS-CoV-2 and its variants. <i>Cell Death and Disease</i> , 2022, 13, .	6.3	9
52	PHEA-graft-polymethacrylate supramolecular aggregates for protein oral delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 84, 21-28.	4.3	8
53	Identification of <i>Salvia haenkei</i> as gerosuppressant agent by using an integrated senescence-screening assay. <i>Aging</i> , 2016, 8, 3223-3240.	3.1	7
54	Cell cycle control by natural phenols in cisplatin-resistant cell lines. <i>Natural Product Communications</i> , 2014, 9, 1465-8.	0.5	7

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55	5-HT _{1B} Receptor Subtype and Aging in Rat Resistance Vessels. <i>Pharmacology</i> , 2008, 81, 70-78.	2.2	5
56	Clinical Evidence of Interaction between Nutraceutical Supplementation and Platinum-based Chemotherapy. <i>Current Medicinal Chemistry</i> , 2023, 30, 2141-2164.	2.4	5
57	Plumbagin Induces Cell Cycle Arrest and Apoptosis in A431 Cisplatin-Resistant Cancer Cells. <i>Natural Product Communications</i> , 2020, 15, 1934578X2092162.	0.5	3
58	Chemotherapy-Induced Hepatotoxicity in HIV Patients. <i>Cells</i> , 2021, 10, 2871.	4.1	3
59	Are Prostanoids Related to Positive Inotropism by UTP and ATP?. <i>Pharmacology</i> , 2005, 73, 140-145.	2.2	2
60	Interaction Between Mitochondrial DNA Variants and Mitochondria/Endoplasmic Reticulum Contact Sites: A Perspective Review. <i>DNA and Cell Biology</i> , 2020, 39, 1431-1443.	1.9	1
61	Editorial Comment to Castration-resistant prostate cancer diagnosed during leuprorelin treatment for spinal and bulbar muscular atrophy. <i>IJU Case Reports</i> , 2022, 5, 254-254.	0.3	1
62	Letter to Editor on the paper entitled "Curcumin-Celecoxib: a synergistic and rationale combination chemotherapy for breast cancer". <i>European Review for Medical and Pharmacological Sciences</i> , 2021, 25, 6174-6175.	0.7	0
63	Editorial: Metabolism Meets Function: The Multifaced Role of Metabolism in Cancer. <i>Frontiers in Oncology</i> , 2022, 12, .	2.8	0