MichaÅ, WoÅºniak

List of Publications by Year
in descending order

99	2,511	236612	243296
papers	citations	25 h-index	44 g-index

100	100	100	3698
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Potential Health Benefits of Olive Oil and Plant Polyphenols. International Journal of Molecular Sciences, 2018, 19, 686.	1.8	421
2	Free radicalâ€“induced megamitochondria formation and apoptosis. Free Radical Biology and Medicine, 1999, 26, 396-409.	1.3	138
3	Steady-state and time resolved fluorescence of albumins interacting with N-oleylethanolamine, a component of the endogenous N-acylethanolamines. , 2000, 40, 39-48.		93
4	Nitric oxide and its derivatives in the cancer battlefield. Nitric Oxide - Biology and Chemistry, 2019, 93, 102-114.	1.2	79
5	Fisetin prevents fluoride- and dexamethasone-induced oxidative damage in osteoblast and hippocampal cells. Food and Chemical Toxicology, 2012, 50, 583-589.	1.8	57
6	A new fluorescence method to detect singlet oxygen inside phospholipid model membranes. Lipids and Lipid Metabolism, 1991, 1082, 94-100.	2.6	54
7	Doxorubicin anti-tumor mechanisms include Hsp60 post-translational modifications leading to the Hsp60/p53 complex dissociation and instauration of replicative senescence. Cancer Letters, 2017, 385, 75-86.	3.2	54
8	Protein carbonyl groupsâ€™ content as a useful clinical marker of antioxidant barrier impairment in plasma of children with juvenile chronic arthritis. Free Radical Biology and Medicine, 2000, 29, 101-104.	1.3	51
9	The effects of nitroxide radicals on oxidative DNA damage. Free Radical Biology and Medicine, 2000, 28, 1257-1265.	1.3	50
10	Geldanamycin-Induced Osteosarcoma Cell Death Is Associated with Hyperacetylation and Loss of Mitochondrial Pool of Heat Shock Protein 60 (Hsp60). PLoS ONE, 2013, 8, e71135.	1.1	50
11	Titanium dioxide nanoparticles enhance production of superoxide anion and alter the antioxidant system in human osteoblast cells. International Journal of Nanomedicine, 2015, 10, 1095.	3.3	49
12	Influence of structure on the antioxidant activity of indolinic nitroxide radicals. Free Radical Biology and Medicine, 1997, 22, 249-255.	1.3	47
13	Vitamin D derivatives enhance cytotoxic effects of H2O2 or cisplatin on human keratinocytes. Steroids, 2016, 110, 49-61.	0.8	47
14	Methylâ€betaâ€cyclodextrin induces mitochondrial cholesterol depletion and alters the mitochondrial structure and bioenergetics. FEBS Letters, 2010, 584, 4606-4610.	1.3	44
15	Protective effect of 4-hydroxy-TEMPO, a low molecular weight superoxide dismutase mimic, on free radical toxicity in experimental pancreatitis. International Journal of Gastrointestinal Cancer, 1995, 18, 153-160.	0.4	42
16	Effects of indolinic and quinolinic aminoxyls on protein and lipid peroxidation of rat liver microsomes. Free Radical Biology and Medicine, 1995, 18, 913-917.	1.3	41
17	Pivotal participation of nitrogen dioxide in l-arginine induced acute necrotizing pancreatitis: protective role of superoxide scavenger 4-OH-TEMPO. Biochemical and Biophysical Research Communications, 2005, 326, 313-320.	1.0	37
18	N-Acylethanolamines as membrane topological stress compromising agents. Biochimica Et Biophysica Acta - Biomembranes, 1993, 1148, 351-355.	1.4	33

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19	Cycloheximide and 4-OH-TEMPO suppress chloramphenicol-induced apoptosis in RL-34 cells via the suppression of the formation of megamitochondria. Biochimica Et Biophysica Acta - Molecular Cell Research, 1999, 1449, 25-40.	1.9	33
20	Indolinonic and quinolinic aminoxyls as protectants against oxidative stress. Free Radical Biology and Medicine, 1993, 15, 203-208.	1.3	32
21	Influence of Diosmin Treatment on the Level of Oxidative Stress Markers in Patients with Chronic Venous Insufficiency. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-5.	1.9	32
22	Using Acetaminophen's Toxicity Mechanism to Enhance Cisplatin Efficacy in Hepatocarcinoma and Hepatoblastoma Cell Lines. Neoplasia, 2009, 11, 1003-1011.	2.3	31
23	Diosmin â€“ Isolation Techniques, Determination in Plant Material and Pharmaceutical Formulations, and Clinical Use. Natural Product Communications, 2013, 8, 1934578X1300800.	0.2	30
24	P66Shc mediated ferritin degradationâ€”A novel mechanism of ROS formation. Free Radical Biology and Medicine, 2011, 51, 658-663.	1.3	29
25	Suppression of the formation of megamitochondria by scavengers for free radicals. Molecular Aspects of Medicine, 1997, 18, 51-61.	2.7	27
26	Mechanism of leflunomide-induced proliferation of mitochondria in mammalian cells. Mitochondrion, 2002, 2, 163-179.	1.6	25
27	Plausible Role of Estrogens in Pathogenesis, Progression and Therapy of Lung Cancer. International Journal of Environmental Research and Public Health, 2021, 18, 648.	1.2	24
28	Complete Suppression of Ethanol-Induced Formation of Megamitochondria By 4-Hydroxy-2,2,6,6-Tetramethyl-Piperidine-1-Oxyl (4-OH-Tempo). Free Radical Biology and Medicine, 1998, 24, 139-147.	1.3	23
29	Inhibitory Effect of Free Radicals Derived From Organic Hydroperoxide on Progesterone Synthesis in Human Term Placental Mitochondria. Free Radical Biology and Medicine, 1998, 24, 1168-1175.	1.3	23
30	Diallyl trisulfide-induced prostate cancer cell death is associated with Akt/PKB dephosphorylation mediated by P-p66shc. European Journal of Nutrition, 2012, 51, 817-825.	1.8	23
31	Dual effect of 2-methoxyestradiol on cell cycle events in human osteosarcoma 143B cells.. Acta Biochimica Polonica, 2002, 49, 59-65.	0.3	23
32	Lipoic Acid Decreases the Viability of Breast Cancer Cells and Activity of PTP1B and SHP2. Anticancer Research, 2017, 37, 2893-2898.	0.5	22
33	Quinolinic Aminoxyl Protects Albumin Against Peroxyl Radical Mediated Damage. Free Radical Research, 1994, 21, 309-315.	1.5	20
34	Role of Free Radicals in the Mechanism of The Hydrazine- Induced Formation of Megamitochondria. Free Radical Biology and Medicine, 1997, 23, 285-293.	1.3	20
35	Does Resveratrol Prevent Free Radical-induced Acute Pancreatitis?. Pancreas, 2005, 31, 43-47.	0.5	20
36	Electrochemical and Biological Studies on Reactivity of [VO(oda)(H2O)2], [Co(oda)(H2O)2]Â·H2O, and [Ni(oda)Â(H2O)3]Â·1.5H2O Towards Superoxide Free Radicals. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 1795-1799.	0.6	20

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37	DNA strand breaks induced by nuclear hijacking of neuronal NOS as an anti-cancer effect of 2-methoxyestradiol. Oncotarget, 2015, 6, 15449-15463.	0.8	20
38	Increased plasma concentrations of Palmitoylethanolamide, an endogenous fatty acid amide, affect oxidative damage of human low-density lipoproteins: An in vitro study. Atherosclerosis, 2005, 182, 47-55.	0.4	19
39	Neuronal Nitric Oxide Synthase Induction in the Antitumorigenic and Neurotoxic Effects of 2-Methoxyestradiol. Molecules, 2014, 19, 13267-13281.	1.7	19
40	A Proposed Molecular Mechanism of High-Dose Vitamin D3 Supplementation in Prevention and Treatment of Preeclampsia. International Journal of Molecular Sciences, 2015, 16, 13043-13064.	1.8	19
41	Effect of pentoxifylline on proteinuria, markers of tubular injury and oxidative stress in non-diabetic patients with chronic kidney disease - placebo controlled, randomized, cross-over study.. Acta Biochimica Polonica, 2010, 57, .	0.3	19
42	Effect of N-acylethanolamines with different acyl-chains on DPPC multilamellar liposomes. Chemistry and Physics of Lipids, 1993, 65, 165-169.	1.5	18
43	Morphological and functional changes of mitochondria from density separated trout erythrocytes. Biochimica Et Biophysica Acta - Bioenergetics, 2000, 1457, 118-128.	0.5	18
44	Protein tyrosine phosphatases in pathological process. Frontiers in Bioscience - Landmark, 2015, 20, 377-388.	3.0	17
45	Inhibitory Activity of Iron Chelators ATA and DFO on MCF-7 Breast Cancer Cells and Phosphatases PTP1B and SHP2. Anticancer Research, 2017, 37, 4799-4806.	0.5	17
46	Different modulation of phospholipase A2 activity by saturated and monounsaturated N-acylethanolamines. Journal of Lipid Research, 2003, 44, 742-753.	2.0	16
47	The switch mechanism of the cell death mode from apoptosis to necrosis in menadione-treated human osteosarcoma cell line 143B cells. Microscopy Research and Technique, 2004, 64, 255-268.	1.2	16
48	Cerulein-Induced Acute Pancreatitis Is Associated With c-Jun NH(2)-Terminal Kinase 1â€“Dependent Ferritin Degradation and Iron-Dependent Free Radicals Formation. Pancreas, 2013, 42, 1070-1077.	0.5	16
49	Chicoric acid binds to two sites and decreases the activity of the YopH bacterial virulence factor. Oncotarget, 2016, 7, 2229-2238.	0.8	16
50	Novel liquid chromatography method based on linear weighted regression for the fast determination of isoprostane isomers in plasma samples using sensitive tandem mass spectrometry detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1051, 17-23.	1.2	16
51	Fast perinuclear clustering of mitochondria in oxidatively stressed human choriocarcinoma cells. Folia Morphologica, 2004, 63, 407-12.	0.4	16
52	Hemoglobin components from trout (Salmo irideus): determination of their peroxidative activity. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2001, 130, 559-564.	0.7	15
53	A Novel Biosensor for Evaluation of Apoptotic or Necrotic Effects of Nitrogen Dioxide during Acute Pancreatitis in Rat. Sensors, 2010, 10, 280-291.	2.1	15
54	Impact of JNK1, JNK2, and ligase Itch on reactive oxygen species formation and survival of prostate cancer cells treated with diallyl trisulfide. European Journal of Nutrition, 2012, 51, 573-581.	1.8	15

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55	Cis-[Cr(C2O4)(pm)(OH2)2]+ Coordination Ion as a Specific Sensing Ion for H2O2 Detection in HT22 Cells. Molecules, 2014, 19, 8533-8543.	1.7	15
56	The Effect of Indolinic and Quinolinic Nitroxide Radicals on Trout Erythrocytes Exposed to Oxidative Stress. Free Radical Research, 1998, 28, 507-516.	1.5	14
57	Kinetics and mechanisms of the CO2 and SO2 uptake by coordinate ion, cis-[Cr(C2O4)(Lâ€“L)(OH2)2]+ {(Lâ€“L)=methyl 3-amino-2,3-dideoxy-Î±-d-arabino-hexopyranoside} as studied by stopped-flow spectrophotometry. Inorganica Chimica Acta, 2004, 357, 4467-4475.	1.2	14
58	Aliskiren attenuates oxidative stress and improves tubular status in non-diabetic patients with chronic kidney disease-Placebo controlled, randomized, cross-over study. Advances in Medical Sciences, 2014, 59, 256-260.	0.9	14
59	A stopped-flow study on the kinetics and mechanism of CO2 uptake by chromium(III) complexes with histamine and pyridoxamine. Transition Metal Chemistry, 2005, 30, 209-216.	0.7	13
60	Neuroprotective effects of tempol acyl esters against retinal ganglion cell death in a rat partial optic nerve crush model. Acta Ophthalmologica, 2011, 89, e555-e560.	0.6	12
61	Inactivation of Protein Tyrosine Phosphatases by Peracids Correlates with the Hydrocarbon Chain Length. Cellular Physiology and Biochemistry, 2015, 36, 1069-1083.	1.1	12
62	Neuronal Nitric Oxide Synthase-Mediated Genotoxicity of 2-Methoxyestradiol in Hippocampal HT22 Cell Line. Molecular Neurobiology, 2016, 53, 5030-5040.	1.9	12
63	Nitric Dioxide as Biologically Important Radical and its Role in Molecular Mechanism of Pancreatic Inflammation. Current Pharmaceutical Analysis, 2008, 4, 183-196.	0.3	11
64	Coordinate cis-[Cr(C2O4)(pm)(OH2)2]+ Cation as Molecular Biosensor of Pyruvateâ€™s Protective Activity Against Hydrogen Peroxide Mediated Cytotoxity. Sensors, 2008, 8, 4487-4504.	2.1	11
65	Up-regulation of ferritin ubiquitination in skeletal muscle of transgenic rats bearing the G93A hmSOD1 gene mutation. Neuromuscular Disorders, 2010, 20, 29-33.	0.3	11
66	Activation of Hydrogen Peroxide to Peroxytetradecanoic Acid Is Responsible for Potent Inhibition of Protein Tyrosine Phosphatase CD45. PLoS ONE, 2012, 7, e52495.	1.1	11
67	2-Methoxyestradiol and Its Combination with a Natural Compound, Ferulic Acid, Induces Melanoma Cell Death via Downregulation of Hsp60 and Hsp90. Journal of Oncology, 2019, 2019, 1-12.	0.6	10
68	Modification of DNA structure by reactive nitrogen species as a result of 2-methoxyestradiolâ€“induced neuronal nitric oxide synthase uncoupling in metastatic osteosarcoma cells. Redox Biology, 2020, 32, 101522.	3.9	10
69	New Insight into 2-Methoxyestradiol- a Possible Physiological Link between Neurodegeneration and Cancer Cell Death. Current Medicinal Chemistry, 2016, 23, 1513-1527.	1.2	10
70	Nitro-oxidative Stress Is Involved in Anticancer Activity of 17Î²-Estradiol Derivative in Neuroblastoma Cells. Anticancer Research, 2016, 36, 1693-8.	0.5	10
71	Reactions of NO2 with chromium(III) complexes with histamine and pyridoxamine ligands studied by the stopped-flow technique. Analytical Biochemistry, 2006, 350, 256-262.	1.1	9
72	Docosahexaenoic Acid Inhibits PTP1B Phosphatase and the Viability of MCF-7 Breast Cancer Cells. Nutrients, 2019, 11, 2554.	1.7	9

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73	JNK/p66Shc/ITCH Signaling Pathway Mediates Angiotensin II-induced Ferritin Degradation and Labile Iron Pool Increase. Nutrients, 2020, 12, 668.	1.7	9
74	Impact of Apparent Antagonism of Estrogen Receptor Î² by Fulvestrant on Anticancer Activity of 2-Methoxyestradiol. Anticancer Research, 2016, 36, 2217-26.	0.5	9
75	The effect of N-acyl ethanolamines on phosphatidylethanolamine phase transitions studied by laurdan generalised polarisation. Chemistry and Physics of Lipids, 1994, 72, 127-134.	1.5	8
76	Structuralâ€“Functional Relationships in Pig Heart AMP-Deaminase in the Presence of ATP, Orthophosphate, and Phosphatidate Bilayers. Molecular Genetics and Metabolism, 1998, 65, 51-58.	0.5	8
77	Exerciseâ€induced heart mitochondrial cholesterol depletion influences the inhibition of mitochondrial swelling. Experimental Physiology, 2013, 98, 1457-1468.	0.9	8
78	Exercise-Induced Changes in Caveolin-1, Depletion of Mitochondrial Cholesterol, and the Inhibition of Mitochondrial Swelling in Rat Skeletal Muscle but Not in the Liver. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-8.	1.9	8
79	The Major Heat Shock Proteins, Hsp70 and Hsp90, in 2-Methoxyestradiol-Mediated Osteosarcoma Cell Death Model. International Journal of Molecular Sciences, 2020, 21, 616.	1.8	8
80	Spironolactone Attenuates Oxidative Stress in Patients With Chronic Kidney Disease. Hypertension, 2008, 52, e132-3; author reply e134.	1.3	7
81	Determination of free and bounded phenolic acids in the rhizomes and herb of Sanguisorba officinalis L.. Current Issues in Pharmacy and Medical Sciences, 2015, 28, 254-256.	0.1	7
82	Presence of ÃŸ-N-methylamino-L-alanine in cyanobacteria and aquatic organisms from waters of Northern Poland; BMAA toxicity studies. Toxicon, 2021, 194, 90-97.	0.8	7
83	Growth Inhibition of Osteosarcoma Cell Lines in 3D Cultures: Role of Nitrosative and Oxidative Stress. Anticancer Research, 2016, 36, 221-9.	0.5	7
84	High-dose angiotensin-converting enzyme inhibitor attenuates oxidative stress in patients with chronic kidney disease. Nephrology Dialysis Transplantation, 2008, 24, 689-690.	0.4	6
85	Intravenous Sodium Pyruvate Protects Against Cerulein-Induced Acute Pancreatitis. Pancreas, 2008, 37, 238-239.	0.5	6
86	Aurintricarboxylic acid structure modifications lead to reduction of inhibitory properties against virulence factor YopH and higher cytotoxicity. World Journal of Microbiology and Biotechnology, 2016, 32, 163.	1.7	6
87	Redox process is crucial for inhibitory properties of aurintricarboxylic acid against activity of YopH: virulence factor ofYersinia pestis. Oncotarget, 2015, 6, 18364-18373.	0.8	6
88	Dual effect of 2-methoxyestradiol on cell cycle events in human osteosarcoma 143B cells. Acta Biochimica Polonica, 2002, 49, 59-65.	0.3	6
89	The physiological concentration of ferrous iron (II) alters the inhibitory effect of hydrogen peroxide on CD45, LAR and PTP1B phosphatases. BioMetals, 2015, 28, 975-986.	1.8	5
90	Nerve growth factor as an important possible component of novel therapy for cancer, diabetes and cardiovascular diseases. Cellular and Molecular Biology, 2018, 64, 16-23.	0.3	5

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91	Protein tyrosine phosphatase CD45 as a molecular biosensor of hydrogen peroxide generation in cell culture media. Biochemical and Biophysical Research Communications, 2011, 415, 270-273.	1.0	4
92	Regulation of Mitochondrial Dynamics in Parkinsonâ€™s Diseaseâ€”Is 2-Methoxyestradiol a Missing Piece?. Antioxidants, 2021, 10, 248.	2.2	4
93	Stopped-flow study of H+ induced CO2 release from a non-peptide analogue of decarboxylase-substrate mimicking cis-[Cr(C2O4)(AaraNH2)(O2CO)]â^. Transition Metal Chemistry, 2006, 31, 1045-1051.	0.7	3
94	Age-dependent neuroprotection of retinal ganglion cells by tempol-C8 acyl ester in a rat NMDA toxicity model. Folia Neuropathologica, 2014, 3, 291-297.	0.5	3
95	Protective Effect of α-ketobutyrate on Survival of Hippocampal Neurons Challenged with Hydrogen Peroxide Chemistry Mimicking Brain Ischemia. Current Pharmaceutical Analysis, 2014, 10, 87-91.	0.3	3
96	Butylmalonate counteracts the inhibitory effect of protamine on succinate oxidation. An ultrastructural interpretation. Biochemical and Biophysical Research Communications, 1979, 86, 801-807.	1.0	2
97	Regulation of trout gill AMP deaminase by lipid bilayers. Effects of phospholipid composition and temperature. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1985, 80, 685-692.	0.2	2
98	Dynamics of Oxidative Damage at Early Stages of Estrogen-dependant Carcinogenesis. Advances in Experimental Medicine and Biology, 2008, 617, 609-615.	0.8	2
99	Nerve growth factor as an important possible component of novel therapy for cancer, diabetes and cardiovascular diseases. Cellular and Molecular Biology, 2018, 64, 16-23.	0.3	1