

Antonio Speciale

List of Publications by Year in descending order

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69
papers

2,296
citations

172207

29
h-index

233125

45
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69
all docs

69
docs citations

69
times ranked

3521
citing authors

#	ARTICLE	IF	CITATIONS
1	Nutritional Antioxidants and Adaptive Cell Responses: An Update. <i>Current Molecular Medicine</i> , 2011, 11, 770-789.	0.6	123
2	Cyanidin-3-O-glucoside Protection against TNF- α -Induced Endothelial Dysfunction: Involvement of Nuclear Factor- κ B Signaling. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 12048-12054.	2.4	104
3	Cyanidin-3-O-glucoside inhibits NF- κ B signalling in intestinal epithelial cells exposed to TNF- α and exerts protective effects via Nrf2 pathway activation. <i>Toxicology Letters</i> , 2016, 264, 51-58.	0.4	104
4	Phytochemical profiles, phototoxic and antioxidant properties of eleven <i>Hypericum</i> species – A comparative study. <i>Phytochemistry</i> , 2018, 152, 162-173.	1.4	101
5	The Community Pharmacist: Perceived Barriers and Patient-Centered Care Communication. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 536.	1.2	91
6	Cyanidin-3-O-glucoside counters the response to TNF- α of endothelial cells by activating Nrf2 pathway. <i>Molecular Nutrition and Food Research</i> , 2013, 57, 1979-1987.	1.5	82
7	Palmitate-induced endothelial dysfunction is attenuated by cyanidin-3-O-glucoside through modulation of Nrf2/Bach1 and NF- κ B pathways. <i>Toxicology Letters</i> , 2015, 239, 152-160.	0.4	78
8	Bioavailability and molecular activities of anthocyanins as modulators of endothelial function. <i>Genes and Nutrition</i> , 2014, 9, 404.	1.2	70
9	Biomolecular Characterization of Wild Sicilian Oregano: Phytochemical Screening of Essential Oils and Extracts, and Evaluation of Their Antioxidant Activities. <i>Chemistry and Biodiversity</i> , 2013, 10, 411-433.	1.0	63
10	Circulating Advanced Oxidation Protein Products as Oxidative Stress Biomarkers and Progression Mediators in Pathological Conditions Related to Inflammation and Immune Dysregulation. <i>Current Medicinal Chemistry</i> , 2016, 23, 3862-3882.	1.2	60
11	Increase of novel biomarkers for oxidative stress in patients with plasma cell disorders and in multiple myeloma patients with bone lesions. <i>Inflammation Research</i> , 2012, 61, 1063-1067.	1.6	55
12	Cyanidin-3-O-Glucoside Modulates the In Vitro Inflammatory Crosstalk between Intestinal Epithelial and Endothelial Cells. <i>Mediators of Inflammation</i> , 2017, 2017, 1-8.	1.4	54
13	In Vitro Protective Effects of Two Extracts from Bergamot Peels on Human Endothelial Cells Exposed to Tumor Necrosis Factor- α (TNF- α). <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 8430-8436.	2.4	49
14	Curcumin ameliorates the in vitro efficacy of carfilzomib in human multiple myeloma U266 cells targeting p53 and NF- κ B pathways. <i>Toxicology in Vitro</i> , 2018, 47, 186-194.	1.1	49
15	Anthocyanins protect human endothelial cells from mild hyperoxia damage through modulation of Nrf2 pathway. <i>Genes and Nutrition</i> , 2013, 8, 391-399.	1.2	48
16	Pulsed high oxygen induces a hypoxic-like response in human umbilical endothelial cells and in humans. <i>Journal of Applied Physiology</i> , 2012, 113, 1684-1689.	1.2	47
17	Cyanidin-3-O-glucoside ameliorates palmitate-induced insulin resistance by modulating IRS-1 phosphorylation and release of endothelial derived vasoactive factors. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 351-357.	1.2	46
18	In vitro protective effect of a Jacquez grapes wine extract on UVB-induced skin damage. <i>Toxicology in Vitro</i> , 2006, 20, 1395-1402.	1.1	42

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19	Low nanomolar caffeic acid attenuates high glucose-induced endothelial dysfunction in primary human umbilical vein endothelial cells by affecting NF- κ B and Nrf2 pathways. <i>BioFactors</i> , 2017, 43, 54-62.	2.6	41
20	Curcumin potentiates the antitumor activity of Paclitaxel in rat glioma C6 cells. <i>Phytomedicine</i> , 2019, 55, 23-30.	2.3	40
21	Functionalization of multi-walled carbon nanotubes with coumarin derivatives and their biological evaluation. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1025-1031.	1.5	38
22	Berry anthocyanins reduce proliferation of human colorectal carcinoma cells by inducing caspase-3 activation and p21 upregulation. <i>Molecular Medicine Reports</i> , 2016, 14, 1397-1403.	1.1	38
23	High Endogenous Melatonin Levels in Critically Ill Children: A Pilot Study. <i>Journal of Pediatrics</i> , 2013, 162, 357-360.	0.9	37
24	Relationship Between Advanced Oxidation Protein Products, Advanced Glycation End Products, and S-Nitrosylated Proteins With Biological Risk and MDR-1 Polymorphisms in Patients Affected by B-Chronic Lymphocytic Leukemia. <i>Cancer Investigation</i> , 2012, 30, 20-26.	0.6	35
25	Cyanidin-3-O-glucoside modulates intracellular redox status and prevents HIF-1 stabilization in endothelial cells in vitro exposed to chronic hypoxia. <i>Toxicology Letters</i> , 2014, 226, 206-213.	0.4	35
26	Cyanidin-3-O-glucoside restores insulin signaling and reduces inflammation in hypertrophic adipocytes. <i>Archives of Biochemistry and Biophysics</i> , 2020, 691, 108488.	1.4	34
27	Anthocyanins ameliorate palmitate-induced inflammation and insulin resistance in 3T3-L1 adipocytes. <i>Phytotherapy Research</i> , 2019, 33, 1888-1897.	2.8	32
28	Silibinin as potential tool against SARS-CoV-2: In silico spike receptor binding domain and main protease molecular docking analysis, and in vitro endothelial protective effects. <i>Phytotherapy Research</i> , 2021, 35, 4616-4625.	2.8	32
29	Phytochemical, Ecological and Antioxidant Evaluation of Wild Sicilian Thyme: <i>Thymbra capitata</i> (L.) <i>Cav.</i> .. <i>Chemistry and Biodiversity</i> , 2016, 13, 1641-1655.	1.0	31
30	Experimental exposure of blue mussels (<i>Mytilus galloprovincialis</i>) to high levels of benzo[<i>a</i>]pyrene and possible implications for human health. <i>Ecotoxicology and Environmental Safety</i> , 2018, 150, 96-103.	2.9	29
31	Cellular adaptive response to glutathione depletion modulates endothelial dysfunction triggered by TNF- α . <i>Toxicology Letters</i> , 2011, 207, 291-297.	0.4	28
32	TLR2 activation in corneal stromal cells by <i>Staphylococcus aureus</i> -induced keratitis. <i>Apmis</i> , 2015, 123, 163-168.	0.9	28
33	Need (more than) two to Tango: Multiple tools to adapt to changes in oxygen availability. <i>BioFactors</i> , 2018, 44, 207-218.	2.6	27
34	Resveratrol role in <i>Staphylococcus aureus</i> -induced corneal inflammation. <i>Pathogens and Disease</i> , 2013, 68, 61-64.	0.8	26
35	Wild Sicilian Rosemary: Phytochemical and Morphological Screening and Antioxidant Activity Evaluation of Extracts and Essential Oils. <i>Chemistry and Biodiversity</i> , 2015, 12, 1075-1094.	1.0	25
36	Flavonoid profile, antioxidant and cytotoxic activity of different extracts from Algerian <i>Rhamnus alaternus</i> L. bark. <i>Pharmacognosy Magazine</i> , 2015, 11, 102.	0.3	25

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37	Hydrogels for the Delivery of Plant-Derived (Poly)Phenols. <i>Molecules</i> , 2020, 25, 3254.	1.7	25
38	Interaction of selected terpenoids with two SARS-CoV-2 key therapeutic targets: An in silico study through molecular docking and dynamics simulations. <i>Computers in Biology and Medicine</i> , 2021, 134, 104538.	3.9	25
39	Raman spectroscopy differentiates between sensitive and resistant multiple myeloma cell lines. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 187, 15-22.	2.0	24
40	Evaluation of biological response induced by molybdenum oxide nanocolloids on in vitro cultured NIH/3T3 fibroblast cells by micro-Raman spectroscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 170, 233-241.	2.5	22
41	Biocompatible silver nanoparticles embedded in a PEG-PLA polymeric matrix for stimulated laser light drug release. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	21
42	Alpha-lipoic acid, but not di-hydrolipoic acid, activates Nrf2 response in primary human umbilical-vein endothelial cells and protects against TNF- α induced endothelium dysfunction. <i>Archives of Biochemistry and Biophysics</i> , 2018, 655, 18-25.	1.4	21
43	Recent Advances in Glycyrrhetic Acid-Functionalized Biomaterials for Liver Cancer-Targeting Therapy. <i>Molecules</i> , 2022, 27, 1775.	1.7	21
44	Flavonoid profile, antioxidant and antiglycation properties of <i>Retama sphaerocarpa</i> fruits extracts. <i>Natural Product Research</i> , 2018, 32, 1911-1919.	1.0	19
45	Serum levels of carbonylated and nitrosylated proteins in mobbing victims with workplace adjustment disorders. <i>Biological Psychology</i> , 2009, 82, 308-311.	1.1	18
46	Cyanidin-3-O-glucoside protects intestinal epithelial cells from palmitate-induced lipotoxicity. <i>Archives of Physiology and Biochemistry</i> , 2023, 129, 379-386.	1.0	18
47	Cytotoxic effects induced in vitro by organic extracts from urban air particulate matter in human leukocytes. <i>Drug and Chemical Toxicology</i> , 2014, 37, 32-39.	1.2	17
48	Exposure to <i>Anisakis</i> extracts can induce inflammation on in vitro cultured human colonic cells. <i>Parasitology Research</i> , 2017, 116, 2471-2477.	0.6	17
49	Natural Product-Based Hybrids as Potential Candidates for the Treatment of Cancer: Focus on Curcumin and Resveratrol. <i>Molecules</i> , 2021, 26, 4665.	1.7	17
50	Antioxidant and anti-inflammatory properties of Algerian <i>Thymelaea microphylla</i> coss. and dur. extracts. <i>Pharmacognosy Magazine</i> , 2016, 12, 203.	0.3	17
51	In Vitro Protective Effects of a Standardized Extract From <i>Cynara Cardunculus</i> L. Leaves Against TNF- α -Induced Intestinal Inflammation. <i>Frontiers in Pharmacology</i> , 2022, 13, 809938.	1.6	16
52	Simvastatin Administration Ameliorates Neurobehavioral Consequences of Subarachnoid Hemorrhage in the Rat. <i>Journal of Neurotrauma</i> , 2011, 28, 2493-2501.	1.7	15
53	Exposure of sea bream (<i>Sparus aurata</i>) to toxic concentrations of benzo[a]pyrene: possible human health effect. <i>Ecotoxicology and Environmental Safety</i> , 2015, 122, 116-125.	2.9	15
54	Role of Herpes Simplex Envelope Glycoprotein B and Toll-Like Receptor 2 in Ocular Inflammation: An Ex Vivo Organotypic Rabbit Corneal Model. <i>Viruses</i> , 2019, 11, 819.	1.5	15

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55	Anthocyanins As Modulators of Cell Redox-Dependent Pathways in Non-Communicable Diseases. <i>Current Medicinal Chemistry</i> , 2020, 27, 1955-1996.	1.2	15
56	Protective activity of an anthocyanin-rich extract from bilberries and blackcurrants on acute acetaminophen-induced hepatotoxicity in rats. <i>Natural Product Research</i> , 2016, 30, 2845-2849.	1.0	14
57	Nanomolar Caffeic Acid Decreases Glucose Uptake and the Effects of High Glucose in Endothelial Cells. <i>PLoS ONE</i> , 2015, 10, e0142421.	1.1	12
58	Bitter Orange (<i>Citrus aurantium</i> L.) Oils. , 2016, , 259-268.		11
59	Evaluation of Antioxidant, Anti-inflammatory and Antityrosinase Potential of Extracts from Different Aerial Parts of <i>Rhanterium suaveolens</i> from Tunisia. <i>Chemistry and Biodiversity</i> , 2021, 18, e2100316.	1.0	10
60	How gene polymorphisms can influence clinical response and toxicity following R-CHOP therapy in patients with diffuse large B cell lymphoma. <i>Blood Reviews</i> , 2017, 31, 235-249.	2.8	9
61	Molybdenum oxide nanocolloids prepared by an external field-assisted laser ablation in water. <i>EPJ Web of Conferences</i> , 2018, 167, 04009.	0.1	6
62	Phytochemical and Biological Characterization of Methanolic Extracts from <i>Rumex algeriensis</i> and <i>Rumex tunetanus</i> . <i>Chemistry and Biodiversity</i> , 2020, 17, e2000345.	1.0	6
63	Anthocyanins in Vascular Diseases. , 2014, , 923-941.		5
64	Comparison of Phytochemical Profile and Bioproperties of Methanolic Extracts from Different Parts of Tunisian <i>Rumex roseus</i> . <i>Chemistry and Biodiversity</i> , 2021, 18, e2100185.	1.0	4
65	Effects of a pinitol-rich <i>Glycyrrhiza glabra</i> L. leaf extract on insulin and inflammatory signaling pathways in palmitate-induced hypertrophic adipocytes. <i>Natural Product Research</i> , 2022, 36, 4762-4769.	1.0	4
66	A pinitol-rich <i>Glycyrrhiza glabra</i> L. leaf extract as functional supplement with potential in the prevention of endothelial dysfunction through improving insulin signalling. <i>Archives of Physiology and Biochemistry</i> , 2020, , 1-10.	1.0	3
67	In Vitro Effects of Cyanidin-O-Glucoside on Inflammatory and Insulin-Sensitizing Genes in Human Adipocytes Exposed to Palmitic Acid. <i>Chemistry and Biodiversity</i> , 2021, , e2100607.	1.0	3
68	Protective effect of Mediterranean fish oil extracts on heat-induced denaturation of albumin. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 58, 1411-1413.	1.2	2
69	Nano-Hybrid Au@LCCs Systems Displaying Anti-Inflammatory Activity. <i>Materials</i> , 2022, 15, 3701.	1.3	2