

Mario Allegra

List of Publications by Year in descending order

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59
papers

4,703
citations

159525

30
h-index

138417

58
g-index

59
all docs

59
docs citations

59
times ranked

4627
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical and Physical Properties and Potential Mechanisms: Melatonin as a Broad Spectrum Antioxidant and Free Radical Scavenger. <i>Current Topics in Medicinal Chemistry</i> , 2002, 2, 181-197.	1.0	885
2	The chemistry of melatonin's interaction with reactive species. <i>Journal of Pineal Research</i> , 2003, 34, 1-10.	3.4	630
3	Antioxidant Activities of Sicilian Prickly Pear (<i>Opuntia ficus indica</i>) Fruit Extracts and Reducing Properties of Its Betalains: A Betanin and Indicaxanthin. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 6895-6901.	2.4	448
4	Absorption, excretion, and distribution of dietary antioxidant betalains in LDLs: potential health effects of betalains in humans. <i>American Journal of Clinical Nutrition</i> , 2004, 80, 941-945.	2.2	235
5	Supplementation with cactus pear (<i>Opuntia ficus-indica</i>) fruit decreases oxidative stress in healthy humans: a comparative study with vitamin C. <i>American Journal of Clinical Nutrition</i> , 2004, 80, 391-395.	2.2	221
6	Antioxidant Betalains from Cactus Pear (<i>Opuntia ficus-indica</i>) Inhibit Endothelial ICAM-1 Expression. <i>Annals of the New York Academy of Sciences</i> , 2004, 1028, 481-486.	1.8	140
7	Distribution of Betalain Pigments in Red Blood Cells after Consumption of Cactus Pear Fruits and Increased Resistance of the Cells to <i>ex Vivo</i> Induced Oxidative Hemolysis in Humans. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 1266-1270.	2.4	134
8	Antioxidant Activity of Sicilian Pistachio (<i>Pistacia vera</i> L. Var. Bronte) Nut Extract and Its Bioactive Components. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 643-648.	2.4	129
9	Increased Resistance to Oxidation of Betalain-enriched Human Low Density Lipoproteins. <i>Free Radical Research</i> , 2003, 37, 689-696.	1.5	118
10	Oxysterol Mixture in Hypercholesterolemia-Relevant Proportion Causes Oxidative Stress-Dependent Eryptosis. <i>Cellular Physiology and Biochemistry</i> , 2014, 34, 1075-1089.	1.1	108
11	Biothiols, Taurine, and Lipid-Soluble Antioxidants in the Edible Pulp of Sicilian Cactus Pear (<i>Opuntia</i>) Tj ETQq1 1 0.784314 rgBT /Overl <i>Agricultural and Food Chemistry</i> , 2005, 53, 7851-7855.	2.4	106
12	Redox Intermediates of Plant and Mammalian Peroxidases: A Comparative Transient-Kinetic Study of Their Reactivity Toward Indole Derivatives. <i>Archives of Biochemistry and Biophysics</i> , 2002, 398, 12-22.	1.4	84
13	Indicaxanthin inhibits NADPH oxidase (NOX)-1 activation and NF- κ B-dependent release of inflammatory mediators and prevents the increase of epithelial permeability in IL-1 β -exposed Caco-2 cells. <i>British Journal of Nutrition</i> , 2014, 111, 415-423.	1.2	81
14	Mechanism of interaction of betanin and indicaxanthin with human myeloperoxidase and hypochlorous acid. <i>Biochemical and Biophysical Research Communications</i> , 2005, 332, 837-844.	1.0	78
15	Oral supplements of vitamin E improve measures of oxidative stress in plasma and reduce oxidative damage to LDL and erythrocytes in β -thalassemia intermedia patients. <i>Free Radical Research</i> , 2001, 34, 529-540.	1.5	77
16	Trans-epithelial transport of the betalain pigments indicaxanthin and betanin across Caco-2 cell monolayers and influence of food matrix. <i>European Journal of Nutrition</i> , 2013, 52, 1077-1087.	1.8	69
17	Indicaxanthin from Cactus Pear Fruit Exerts Anti-Inflammatory Effects in Carrageenin-Induced Rat Pleurisy. <i>Journal of Nutrition</i> , 2014, 144, 185-192.	1.3	67
18	Polymeric proanthocyanidins from Sicilian pistachio (<i>Pistacia vera</i> L.) nut extract inhibit lipopolysaccharide-induced inflammatory response in RAW 264.7 cells. <i>European Journal of Nutrition</i> , 2012, 51, 353-363.	1.8	60

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19	Phytochemical indicaxanthin suppresses 7-ketocholesterol-induced THP-1 cell apoptosis by preventing cytosolic Ca ²⁺ increase and oxidative stress. <i>British Journal of Nutrition</i> , 2013, 110, 230-240.	1.2	60
20	Mechanism of Reaction of Melatonin with Human Myeloperoxidase. <i>Biochemical and Biophysical Research Communications</i> , 2001, 282, 380-386.	1.0	59
21	Betain inhibits the myeloperoxidase/nitrite-induced oxidation of human low-density lipoproteins. <i>Free Radical Research</i> , 2007, 41, 335-341.	1.5	55
22	Neutrophil accumulation induced by bacterial lipopolysaccharide: effects of dexamethasone and annexin 1. <i>Clinical and Experimental Immunology</i> , 2001, 123, 62-67.	1.1	54
23	Cytoprotective effects of the antioxidant phytochemical indicaxanthin in β^2 -thalassemia red blood cells. <i>Free Radical Research</i> , 2006, 40, 753-761.	1.5	50
24	Betacyanins as phenol antioxidants. Chemistry and mechanistic aspects of the lipoperoxyl radical-scavenging activity in solution and liposomes. <i>Free Radical Research</i> , 2009, 43, 706-717.	1.5	48
25	Monofloral honeys by Sicilian black honeybee (<i>Apis mellifera</i> ssp. <i>sicula</i>) have high reducing power and antioxidant capacity. <i>Heliyon</i> , 2016, 2, e00193.	1.4	40
26	Indicaxanthin from <i>Opuntia ficus-indica</i> Crosses the Blood-Brain Barrier and Modulates Neuronal Bioelectric Activity in Rat Hippocampus at Dietary-Consistent Amounts. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 7353-7360.	2.4	39
27	Pro-oxidant activity of indicaxanthin from <i>Opuntia ficus indica</i> modulates arachidonate metabolism and prostaglandin synthesis through lipid peroxide production in LPS-stimulated RAW 264.7 macrophages. <i>Redox Biology</i> , 2014, 2, 892-900.	3.9	38
28	Kinetics of the lipoperoxyl radical-scavenging activity of indicaxanthin in solution and unilamellar liposomes. <i>Free Radical Research</i> , 2007, 41, 226-233.	1.5	32
29	Indicaxanthin from <i>Opuntia Ficus Indica</i> (L. Mill) impairs melanoma cell proliferation, invasiveness, and tumor progression. <i>Phytomedicine</i> , 2018, 50, 19-24.	2.3	32
30	Reaction of melatonin with hemoglobin-derived oxoferryl radicals and inhibition of the hydroperoxide-induced hemoglobin denaturation in red blood cells. <i>Journal of Pineal Research</i> , 2001, 31, 114-119.	3.4	31
31	Dietary indicaxanthin from cactus pear (<i>Opuntia ficus-indica</i> L. Mill) fruit prevents eryptosis induced by oxysterols in a hypercholesterolaemia-relevant proportion and adhesion of human erythrocytes to endothelial cell layers. <i>British Journal of Nutrition</i> , 2015, 114, 368-375.	1.2	30
32	Oxidation of melatonin by oxoferryl hemoglobin: A mechanistic study. <i>Free Radical Research</i> , 2001, 35, 633-642.	1.5	29
33	Protective effect of melatonin against cytotoxic actions of malondialdehyde: an in vitro study on human erythrocytes. <i>Journal of Pineal Research</i> , 2002, 32, 187-193.	3.4	26
34	Brain Distribution and Modulation of Neuronal Excitability by Indicaxanthin From <i>Opuntia Ficus Indica</i> Administered at Nutritionally-Relevant Amounts. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 133.	1.7	26
35	Partition of Indicaxanthin in Membrane Biomimetic Systems. A Kinetic and Modeling Approach. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 10959-10963.	2.4	25
36	Phenolic Composition of Hydrophilic Extract of Manna from Sicilian <i>Fraxinus angustifolia</i> Vahl and its Reducing, Antioxidant and Anti-Inflammatory Activity in Vitro. <i>Antioxidants</i> , 2019, 8, 494.	2.2	24

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37	Inhibitory effects of cynaropicrin on human melanoma progression by targeting MAPK, NF- κ B, and Nrf2 signaling pathways in vitro. <i>Phytotherapy Research</i> , 2021, 35, 1432-1442.	2.8	24
38	Evaluation of the IKK β Binding of Indicaxanthin by Induced-Fit Docking, Binding Pose Metadynamics, and Molecular Dynamics. <i>Frontiers in Pharmacology</i> , 2021, 12, 701568.	1.6	24
39	Indicaxanthin, a multi-target natural compound from <i>Opuntia ficus-indica</i> fruit: From its poly-pharmacological effects to biochemical mechanisms and molecular modelling studies. <i>European Journal of Medicinal Chemistry</i> , 2019, 179, 753-764.	2.6	22
40	Exposure to Malondialdehyde Induces an Early Redox Unbalance Preceding Membrane Toxicity in Human Erythrocytes. <i>Free Radical Research</i> , 2002, 36, 89-97.	1.5	21
41	Quality, functional and sensory evaluation of pasta fortified with extracts from <i>Opuntia ficus-indica</i> cladodes. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 4242-4247.	1.7	21
42	The Phytochemical Indicaxanthin Synergistically Enhances Cisplatin-Induced Apoptosis in HeLa Cells via Oxidative Stress-Dependent p53/p21/waf1 Axis. <i>Biomolecules</i> , 2020, 10, 994.	1.8	21
43	Antioxidant and Anti-Inflammatory Properties of Plants Extract. <i>Antioxidants</i> , 2019, 8, 549.	2.2	20
44	Melatonin Activates the Peroxidase-Oxidase Reaction and Promotes Oscillations. <i>Biochemical and Biophysical Research Communications</i> , 2001, 284, 1071-1076.	1.0	18
45	Proeryptotic Activity of 4-Hydroxynonenal: A New Potential Physiopathological Role for Lipid Peroxidation Products. <i>Biomolecules</i> , 2020, 10, 770.	1.8	18
46	Suicidal Erythrocyte Death in Metabolic Syndrome. <i>Antioxidants</i> , 2021, 10, 154.	2.2	18
47	Short-term cactus pear [<i>Opuntia ficus-indica</i> (L.) Mill] fruit supplementation ameliorates the inflammatory profile and is associated with improved antioxidant status among healthy humans. <i>Food and Nutrition Research</i> , 2018, 62, .	1.2	18
48	Increased eryptosis in smokers is associated with the antioxidant status and C-reactive protein levels. <i>Toxicology</i> , 2019, 411, 43-48.	2.0	17
49	Hyaluronic acid and \pm -elastin based hydrogel for three dimensional culture of vascular endothelial cells. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 46, 28-33.	1.4	16
50	Indicaxanthin from <i>Opuntia ficus indica</i> (L. Mill) Inhibits Oxidized LDL-Mediated Human Endothelial Cell Dysfunction through Inhibition of NF- κ B Activation. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-7.	1.9	16
51	7-Keto-Cholesterol and Cholestan-3 β , 5 α , 6 β -Triol Induce Eryptosis through Distinct Pathways Leading to NADPH Oxidase and Nitric Oxide Synthase Activation. <i>Cellular Physiology and Biochemistry</i> , 2019, 53, 933-947.	1.1	15
52	Indicaxanthin from <i>Opuntia ficus-indica</i> Fruit Ameliorates Glucose Dysmetabolism and Counteracts Insulin Resistance in High-Fat-Diet-Fed Mice. <i>Antioxidants</i> , 2022, 11, 80.	2.2	12
53	In Silico Design, Synthesis, and Biological Evaluation of Anticancer Arylsulfonamide Endowed with Anti-Telomerase Activity. <i>Pharmaceuticals</i> , 2022, 15, 82.	1.7	11
54	Amyloid-Beta Induces Different Expression Pattern of Tissue Transglutaminase and Its Isoforms on Olfactory Ensheathing Cells: Modulatory Effect of Indicaxanthin. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3388.	1.8	7

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55	Anti-Proliferative Activity of A Hydrophilic Extract of Manna from <i>Fraxinus angustifolia</i> Vahl through Mitochondrial Pathway-Mediated Apoptosis and Cell Cycle Arrest in Human Colon Cancer Cells. <i>Molecules</i> , 2020, 25, 5055.	1.7	6
56	Anti-Eryptotic Activity of Food-Derived Phytochemicals and Natural Compounds. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3019.	1.8	5
57	Cross-talk between minimally primed HL-60 cells and resting HUVEC reveals a crucial role for adhesion over extracellularly released oxidants. <i>Biochemical Pharmacology</i> , 2011, 81, 396-401.	2.0	3
58	Redox Systems, Oxidative Stress, and Antioxidant Defences in Health and Disease. <i>Antioxidants</i> , 2021, 10, 1955.	2.2	2
59	Redox Regulation of Metabolic Syndrome: From Biochemical Mechanisms to Nutritional Interventions. <i>Antioxidants</i> , 2021, 10, 638.	2.2	0