Mario Allegra

List of Publications by Year
in descending order

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	In Silico Design, Synthesis, and Biological Evaluation of Anticancer Arylsulfonamide Endowed with Anti-Telomerase Activity. Pharmaceuticals, 2022, 15, 82.	1.7	11
2	Anti-Eryptotic Activity of Food-Derived Phytochemicals and Natural Compounds. International Journal of Molecular Sciences, 2022, 23, 3019.	1.8	5
3	Indicaxanthin from Opuntia ficus-indica Fruit Ameliorates Glucose Dysmetabolism and Counteracts Insulin Resistance in High-Fat-Diet-Fed Mice. Antioxidants, 2022, 11, 80.	2.2	12
4	Inhibitory effects of cynaropicrin on human melanoma progression by targeting <scp>MAPK</scp>, <scp>NFâ€ºB,</scp> and Nrfâ€2 signaling pathways in vitro. Phytotherapy Research, 2021, 35, 1432-1442.	2.8	24
5	Amyloid-Beta Induces Different Expression Pattern of Tissue Transglutaminase and Its Isoforms on Olfactory Ensheathing Cells: Modulatory Effect of Indicaxanthin. International Journal of Molecular Sciences, 2021, 22, 3388.	1.8	7
6	Redox Regulation of Metabolic Syndrome: From Biochemical Mechanisms to Nutritional Interventions. Antioxidants, 2021, 10, 638.	2.2	0
7	Evaluation of the IKKÎ² Binding of Indicaxanthin by Induced-Fit Docking, Binding Pose Metadynamics, and Molecular Dynamics. Frontiers in Pharmacology, 2021, 12, 701568.	1.6	24
8	Suicidal Erythrocyte Death in Metabolic Syndrome. Antioxidants, 2021, 10, 154.	2.2	18
9	Redox Systems, Oxidative Stress, and Antioxidant Defences in Health and Disease. Antioxidants, 2021, 10, 1955.	2.2	2
10	Anti-Proliferative Activity of A Hydrophilic Extract of Manna from Fraxinus angustifolia Vahl through Mitochondrial Pathway-Mediated Apoptosis and Cell Cycle Arrest in Human Colon Cancer Cells. Molecules, 2020, 25, 5055.	1.7	6
11	Proeryptotic Activity of 4-Hydroxynonenal: A New Potential Physiopathological Role for Lipid Peroxidation Products. Biomolecules, 2020, 10, 770.	1.8	18
12	The Phytochemical Indicaxanthin Synergistically Enhances Cisplatin-Induced Apoptosis in HeLa Cells via Oxidative Stress-Dependent p53/p21waf1 Axis. Biomolecules, 2020, 10, 994.	1.8	21
13	Indicaxanthin, a multi-target natural compound from Opuntia ficus-indica fruit: From its poly-pharmacological effects to biochemical mechanisms and molecular modelling studies. European Journal of Medicinal Chemistry, 2019, 179, 753-764.	2.6	22
14	Phenolic Composition of Hydrophilic Extract of Manna from Sicilian Fraxinus angustifolia Vahl and its Reducing, Antioxidant and Anti-Inflammatory Activity in Vitro. Antioxidants, 2019, 8, 494.	2.2	24
15	Indicaxanthin from Opuntia ficus indica (L. Mill) Inhibits Oxidized LDL-Mediated Human Endothelial Cell Dysfunction through Inhibition of NF-ÎºB Activation. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-7.	1.9	16
16	Quality, functional and sensory evaluation of pasta fortified with extracts from Opuntia ficusâ€indica cladodes. Journal of the Science of Food and Agriculture, 2019, 99, 4242-4247.	1.7	21
17	Antioxidant and Anti-Inflammatory Properties of Plants Extract. Antioxidants, 2019, 8, 549.	2.2	20
18	Increased eryptosis in smokers is associated with the antioxidant status and C-reactive protein levels. Toxicology, 2019, 411, 43-48.	2.0	17

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19	7-Keto-Cholesterol and Cholestan-3beta, 5alpha, 6beta-Triol Induce Eryptosis through Distinct Pathways Leading to NADPH Oxidase and Nitric Oxide Synthase Activation. Cellular Physiology and Biochemistry, 2019, 53, 933-947.	1.1	15
20	Indicaxanthin from Opuntia Ficus Indica (L. Mill) impairs melanoma cell proliferation, invasiveness, and tumor progression. Phytomedicine, 2018, 50, 19-24.	2.3	32
21	Brain Distribution and Modulation of Neuronal Excitability by Indicaxanthin From Opuntia Ficus Indica Administered at Nutritionally-Relevant Amounts. Frontiers in Aging Neuroscience, 2018, 10, 133.	1.7	26
22	Hyaluronic acid and Î±-elastin based hydrogel for three dimensional culture of vascular endothelial cells. Journal of Drug Delivery Science and Technology, 2018, 46, 28-33.	1.4	16
23	Short-term cactus pear [Opuntia ficus-indica (L.) Mill] fruit supplementation ameliorates the inflammatory profile and is associated with improved antioxidant status among healthy humans. Food and Nutrition Research, 2018, 62, .	1.2	18
24	Monofloral honeys by Sicilian black honeybee (Apis mellifera ssp. sicula) have high reducing power and antioxidant capacity. Heliyon, 2016, 2, e00193.	1.4	40
25	Dietary indicaxanthin from cactus pear (Opuntia ficus-indicaL. Mill) fruit prevents eryptosis induced by oxysterols in a hypercholesterolaemia-relevant proportion and adhesion of human erythrocytes to endothelial cell layers. British Journal of Nutrition, 2015, 114, 368-375.	1.2	30
26	Indicaxanthin from Opuntia ficus-indica Crosses the Bloodâ€“Brain Barrier and Modulates Neuronal Bioelectric Activity in Rat Hippocampus at Dietary-Consistent Amounts. Journal of Agricultural and Food Chemistry, 2015, 63, 7353-7360.	2.4	39
27	Pro-oxidant activity of indicaxanthin from Opuntia ficus indica modulates arachidonate metabolism and prostaglandin synthesis through lipid peroxide production in LPS-stimulated RAW 264.7 macrophages. Redox Biology, 2014, 2, 892-900.	3.9	38
28	Indicaxanthin inhibits NADPH oxidase (NOX)-1 activation and NF-ÎºB-dependent release of inflammatory mediators and prevents the increase of epithelial permeability in IL-1Î²-exposed Caco-2 cells. British Journal of Nutrition, 2014, 111, 415-423.	1.2	81
29	Oxysterol Mixture in Hypercholesterolemia-Relevant Proportion Causes Oxidative Stress-Dependent Eryptosis. Cellular Physiology and Biochemistry, 2014, 34, 1075-1089.	1.1	108
30	Indicaxanthin from Cactus Pear Fruit Exerts Anti-Inflammatory Effects in Carrageenin-Induced Rat Pleurisy. Journal of Nutrition, 2014, 144, 185-192.	1.3	67
31	Trans-epithelial transport of the betalain pigments indicaxanthin and betanin across Caco-2 cell monolayers and influence of food matrix. European Journal of Nutrition, 2013, 52, 1077-1087.	1.8	69
32	Phytochemical indicaxanthin suppresses 7-ketocholesterol-induced THP-1 cell apoptosis by preventing cytosolic Ca²⁺increase and oxidative stress. British Journal of Nutrition, 2013, 110, 230-240.	1.2	60
33	Polymeric proanthocyanidins from Sicilian pistachio (Pistacia vera L.) nut extract inhibit lipopolysaccharide-induced inflammatory response in RAW 264.7 cells. European Journal of Nutrition, 2012, 51, 353-363.	1.8	60
34	Cross-talk between minimally primed HL-60 cells and resting HUVEC reveals a crucial role for adhesion over extracellularly released oxidants. Biochemical Pharmacology, 2011, 81, 396-401.	2.0	3
35	Partition of Indicaxanthin in Membrane Biomimetic Systems. A Kinetic and Modeling Approach. Journal of Agricultural and Food Chemistry, 2009, 57, 10959-10963.	2.4	25
36	Betacyanins as phenol antioxidants. Chemistry and mechanistic aspects of the lipoperoxyl radical-scavenging activity in solution and liposomes. Free Radical Research, 2009, 43, 706-717.	1.5	48

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37	Kinetics of the lipoperoxyl radical-scavenging activity of indicaxanthin in solution and unilamellar liposomes. Free Radical Research, 2007, 41, 226-233.	1.5	32
38	Betanin inhibits the myeloperoxidase/nitrite-induced oxidation of human low-density lipoproteins. Free Radical Research, 2007, 41, 335-341.	1.5	55
39	Antioxidant Activity of Sicilian Pistachio (Pistacia veraL. Var. Bronte) Nut Extract and Its Bioactive Components. Journal of Agricultural and Food Chemistry, 2007, 55, 643-648.	2.4	129
40	Cytoprotective effects of the antioxidant phytochemical indicaxanthin in Î²-thalassemia red blood cells. Free Radical Research, 2006, 40, 753-761.	1.5	50
41	Mechanism of interaction of betanin and indicaxanthin with human myeloperoxidase and hypochlorous acid. Biochemical and Biophysical Research Communications, 2005, 332, 837-844.	1.0	78
42	Distribution of Betalain Pigments in Red Blood Cells after Consumption of Cactus Pear Fruits and Increased Resistance of the Cells to ex Vivo Induced Oxidative Hemolysis in Humans. Journal of Agricultural and Food Chemistry, 2005, 53, 1266-1270.	2.4	134
43	Biothiols, Taurine, and Lipid-Soluble Antioxidants in the Edible Pulp of Sicilian Cactus Pear (Opuntia) Tj ETQq1 1 0.784314 rgBT /Overl Agricultural and Food Chemistry, 2005, 53, 7851-7855.	2.4	106
44	Antioxidant Betalains from Cactus Pear (Opuntia ficus-indica) Inhibit Endothelial ICAM-1 Expression. Annals of the New York Academy of Sciences, 2004, 1028, 481-486.	1.8	140
45	Absorption, excretion, and distribution of dietary antioxidant betalains in LDLs: potential health effects of betalains in humans. American Journal of Clinical Nutrition, 2004, 80, 941-945.	2.2	235
46	Supplementation with cactus pear (Opuntia ficus-indica) fruit decreases oxidative stress in healthy humans: a comparative study with vitamin C. American Journal of Clinical Nutrition, 2004, 80, 391-395.	2.2	221
47	The chemistry of melatonin's interaction with reactive species. Journal of Pineal Research, 2003, 34, 1-10.	3.4	630
48	Increased Resistance to Oxidation of Betalain-enriched Human Low Density Lipoproteins. Free Radical Research, 2003, 37, 689-696.	1.5	118
49	Chemical and Physical Properties and Potential Mechanisms: Melatonin as a Broad Spectrum Antioxidant and Free Radical Scavenger. Current Topics in Medicinal Chemistry, 2002, 2, 181-197.	1.0	885
50	Redox Intermediates of Plant and Mammalian Peroxidases: A Comparative Transient-Kinetic Study of Their Reactivity Toward Indole Derivatives. Archives of Biochemistry and Biophysics, 2002, 398, 12-22.	1.4	84
51	Exposure to Malondialdehyde Induces an Early Redox Unbalance Preceding Membrane Toxicity in Human Erythrocytes. Free Radical Research, 2002, 36, 89-97.	1.5	21
52	Antioxidant Activities of Sicilian Prickly Pear (Opuntia ficus indica) Fruit Extracts and Reducing Properties of Its Betalains:Â Betanin and Indicaxanthin. Journal of Agricultural and Food Chemistry, 2002, 50, 6895-6901.	2.4	448
53	Protective effect of melatonin against cytotoxic actions of malondialdehyde: an in vitro study on human erythrocytes. Journal of Pineal Research, 2002, 32, 187-193.	3.4	26
54	Oxidation of melatonin by oxoferryl hemoglobin: A mechanistic study. Free Radical Research, 2001, 35, 633-642.	1.5	29

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55	Mechanism of Reaction of Melatonin with Human Myeloperoxidase. Biochemical and Biophysical Research Communications, 2001, 282, 380-386.	1.0	59
56	Melatonin Activates the Peroxidaseâ€“Oxidase Reaction and Promotes Oscillations. Biochemical and Biophysical Research Communications, 2001, 284, 1071-1076.	1.0	18
57	Oral supplements of vitamin E improve measures of oxidative stress in plasma and reduce oxidative damage to LDL and erythrocytes in Î²-thalassemia intermedia patients. Free Radical Research, 2001, 34, 529-540.	1.5	77
58	Neutrophil accumulation induced by bacterial lipopolysaccharide: effects of dexamethasone and annexin 1. Clinical and Experimental Immunology, 2001, 123, 62-67.	1.1	54
59	Reaction of melatonin with hemoglobin-derived oxoferryl radicals and inhibition of the hydroperoxide-induced hemoglobin denaturation in red blood cells. Journal of Pineal Research, 2001, 31, 114-119.	3.4	31