

Vincenzo Mollace

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

4,682
citations

117625

34
h-index

106344

65
g-index

98
all docs

98
docs citations

98
times ranked

6336
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of uric acid metabolism and excretion. <i>International Journal of Cardiology</i> , 2016, 213, 8-14.	1.7	801
2	A Newly Identified Role for Superoxide in Inflammatory Pain. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 309, 869-878.	2.5	350
3	Modulation of Prostaglandin Biosynthesis by Nitric Oxide and Nitric Oxide Donors. <i>Pharmacological Reviews</i> , 2005, 57, 217-252.	16.0	321
4	Hypolipemic and hypoglycaemic activity of bergamot polyphenols: From animal models to human studies. <i>FÅ-toterapÅ-Åç</i> , 2011, 82, 309-316.	2.2	192
5	The treatment of hyperuricemia. <i>International Journal of Cardiology</i> , 2016, 213, 23-27.	1.7	154
6	Modulation of Nitric Oxide Synthases by Oxidized LDLs: Role in Vascular Inflammation and Atherosclerosis Development. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3294.	4.1	132
7	Therapeutic manipulation of peroxynitrite attenuates the development of opiate-induced antinociceptive tolerance in mice. <i>Journal of Clinical Investigation</i> , 2007, 117, 3530-3539.	8.2	131
8	The Anti-Inflammatory and Antioxidant Properties of n-3 PUFAs: Their Role in Cardiovascular Protection. <i>Biomedicines</i> , 2020, 8, 306.	3.2	128
9	Defective Autophagy in Parkinsonâ€™s Disease: Role of Oxidative Stress. <i>Molecular Neurobiology</i> , 2012, 46, 639-661.	4.0	124
10	Reciprocal regulation of the nitric oxide and cyclooxygenase pathway in pathophysiology: relevance and clinical implications. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 304, R473-R487.	1.8	113
11	Bergamot polyphenolic fraction enhances rosuvastatin-induced effect on LDL-cholesterol, LOX-1 expression and protein kinase B phosphorylation in patients with hyperlipidemia. <i>International Journal of Cardiology</i> , 2013, 170, 140-145.	1.7	93
12	Bergamot polyphenol fraction prevents nonalcoholic fatty liver disease via stimulation of lipophagy in cafeteria diet-induced rat model of metabolic syndrome. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 938-948.	4.2	87
13	Superoxide-mediated nitration of spinal manganese superoxide dismutase: a novel pathway in N-methyl-d-aspartate-mediated hyperalgesia. <i>Pain</i> , 2004, 111, 96-103.	4.2	80
14	Oxidized LDL attenuates protective autophagy and induces apoptotic cell death of endothelial cells: Role of oxidative stress and LOX-1 receptor expression. <i>International Journal of Cardiology</i> , 2015, 184, 152-158.	1.7	65
15	The Contribution of Gut Microbiotaâ€™Brain Axis in the Development of Brain Disorders. <i>Frontiers in Neuroscience</i> , 2021, 15, 616883.	2.8	65
16	Bergamot Polyphenols Improve Dyslipidemia and Pathophysiological Features in a Mouse Model of Non-Alcoholic Fatty Liver Disease. <i>Scientific Reports</i> , 2020, 10, 2565.	3.3	63
17	Anti-oxidant effect of bergamot polyphenolic fraction counteracts doxorubicin-induced cardiomyopathy: Role of autophagy and c-kitposCD45negCD31neg cardiac stem cell activation. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 119, 10-18.	1.9	61
18	Nutraceuticals and Cancer: Potential for Natural Polyphenols. <i>Nutrients</i> , 2021, 13, 3834.	4.1	60

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19	The "Frail" Brain Blood Barrier in Neurodegenerative Diseases: Role of Early Disruption of Endothelial Cell-to-Cell Connections. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2693.	4.1	56
20	Hypoglycemic and Hypolipemic Effects of a New Lecithin Formulation of Bergamot Polyphenolic Fraction: A Double Blind, Randomized, Placebo- Controlled Study. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2019, 19, 136-143.	1.2	56
21	Megestrol acetate improves cardiac function in a model of cancer cachexia-induced cardiomyopathy by autophagic modulation. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2016, 7, 555-566.	7.3	51
22	Amyloid β peptide-induced inhibition of endothelial nitric oxide production involves oxidative stress-mediated constitutive eNOS/HSP90 interaction and disruption of agonist-mediated Akt activation. <i>Journal of Neuroinflammation</i> , 2015, 12, 84.	7.2	50
23	Cholesterol homeostasis: Researching a dialogue between the brain and peripheral tissues. <i>Pharmacological Research</i> , 2021, 163, 105215.	7.1	50
24	The Protective Effect of Bergamot Oil Extract on Lecithin-like OxyLDL Receptor-1 Expression in Balloon Injury-related Neointima Formation. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2008, 13, 120-129.	2.0	48
25	NMDA-receptor activation and nitroxidative regulation of the glutamatergic pathway during nociceptive processing. <i>Pain</i> , 2010, 149, 100-106.	4.2	46
26	An expert opinion paper on statin adherence and implementation of new lipid-lowering medications by the ESC Working Group on Cardiovascular Pharmacotherapy: Barriers to be overcome. <i>European Heart Journal - Cardiovascular Pharmacotherapy</i> , 2020, 6, 115-121.	3.0	46
27	The Role of Endothelial Dysfunction in Peripheral Blood Nerve Barrier: Molecular Mechanisms and Pathophysiological Implications. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3022.	4.1	45
28	Role of c-Kit in Myocardial Regeneration and Aging. <i>Frontiers in Endocrinology</i> , 2019, 10, 371.	3.5	44
29	The Effect of Natural Antioxidants in the Development of Metabolic Syndrome: Focus on Bergamot Polyphenolic Fraction. <i>Nutrients</i> , 2020, 12, 1504.	4.1	44
30	The Effect of Bergamot-Derived Polyphenolic Fraction on LDL Small Dense Particles and Non Alcoholic Fatty Liver Disease in Patients with Metabolic Syndrome. <i>Advances in Biological Chemistry</i> , 2014, 04, 129-137.	0.6	41
31	The synergistic effect of Citrus bergamia and Cynara cardunculus extracts on vascular inflammation and oxidative stress in non-alcoholic fatty liver disease. <i>Journal of Traditional and Complementary Medicine</i> , 2020, 10, 268-274.	2.7	38
32	The Protective Effect of Superoxide Dismutase Mimetic M40401 on Balloon Injury-Related Neointima Formation: Role of the Lectin-Like Oxidized Low-Density Lipoprotein Receptor-1. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 311, 44-50.	2.5	37
33	The effect of bergamot polyphenolic fraction on lipid transfer protein system and vascular oxidative stress in a rat model of hyperlipemia. <i>Lipids in Health and Disease</i> , 2019, 18, 115.	3.0	36
34	Antioxidant modulation of sirtuin 3 during acute inflammatory pain: The ROS control. <i>Pharmacological Research</i> , 2020, 157, 104851.	7.1	35
35	The Potential for Natural Antioxidant Supplementation in the Early Stages of Neurodegenerative Disorders. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2618.	4.1	35
36	Analytical Profile and Antioxidant and Anti-Inflammatory Activities of the Enriched Polyphenol Fractions Isolated from Bergamot Fruit and Leave. <i>Antioxidants</i> , 2021, 10, 141.	5.1	32

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37	Inhibition of Spinal Oxidative Stress by Bergamot Polyphenolic Fraction Attenuates the Development of Morphine Induced Tolerance and Hyperalgesia in Mice. PLoS ONE, 2016, 11, e0156039.	2.5	32
38	Bergamot Polyphenols Boost Therapeutic Effects of the Diet on Non-Alcoholic Steatohepatitis (NASH) Induced by "Junk Food": Evidence for Anti-Inflammatory Activity. Nutrients, 2018, 10, 1604.	4.1	31
39	Atherogenic Index Reduction and Weight Loss in Metabolic Syndrome Patients Treated with A Novel Pectin-Enriched Formulation of Bergamot Polyphenols. Nutrients, 2019, 11, 1271.	4.1	31
40	Posttranslational Nitration of Tyrosine Residues Modulates Glutamate Transmission and Contributes to N-Methyl-D-aspartate-Mediated Thermal Hyperalgesia. Mediators of Inflammation, 2013, 2013, 1-12.	3.0	30
41	Analysis of proautophagic activities of Citrus flavonoids in liver cells reveals the superiority of a natural polyphenol mixture over pure flavones. Journal of Nutritional Biochemistry, 2018, 58, 119-130.	4.2	29
42	Pharmacological effect of a new idebenone formulation in a model of carrageenan-induced inflammatory pain. Pharmacological Research, 2016, 111, 767-773.	7.1	28
43	Antioxidant activity of oleuropein and semisynthetic acetyl-derivatives determined by measuring malondialdehyde in rat brain. Journal of Pharmacy and Pharmacology, 2017, 69, 1502-1512.	2.4	28
44	Calorie Restriction for Cancer Prevention and Therapy: Mechanisms, Expectations, and Efficacy. Journal of Cancer Prevention, 2021, 26, 224-236.	2.0	28
45	The Contribution of Endothelial Dysfunction in Systemic Injury Subsequent to SARS-Cov-2 Infection. International Journal of Molecular Sciences, 2020, 21, 9309.	4.1	27
46	The protective effect of tianeptine on Gp120-induced apoptosis in astroglial cells: role of GS and NOS, and NF- κ B suppression. British Journal of Pharmacology, 2011, 164, 1590-1599.	5.4	26
47	Myelin Disturbances Produced by Sub-Toxic Concentration of Heavy Metals: The Role of Oligodendrocyte Dysfunction. International Journal of Molecular Sciences, 2019, 20, 4554.	4.1	26
48	Natural Antioxidant Control of Neuropathic Pain—Exploring the Role of Mitochondrial SIRT3 Pathway. Antioxidants, 2020, 9, 1103.	5.1	26
49	Identification of MOR-Positive B Cell as Possible Innovative Biomarker (Mu Lympho-Marker) for Chronic Pain Diagnosis in Patients with Fibromyalgia and Osteoarthritis Diseases. International Journal of Molecular Sciences, 2020, 21, 1499.	4.1	25
50	Oxidative Stress Triggers Defective Autophagy in Endothelial Cells: Role in Atherothrombosis Development. Antioxidants, 2021, 10, 387.	5.1	25
51	Pathophysiological Basis for Nutraceutical Supplementation in Heart Failure: A Comprehensive Review. Nutrients, 2021, 13, 257.	4.1	24
52	Ethanol-induced cardiomyocyte toxicity implicates autophagy and NF κ B transcription factor. Pharmacological Research, 2018, 133, 141-150.	7.1	23
53	PUFA Supplementation and Heart Failure: Effects on Fibrosis and Cardiac Remodeling. Nutrients, 2021, 13, 2965.	4.1	23
54	Re-assessing the mechanism of action of ω -3 PUFAs. International Journal of Cardiology, 2013, 170, S8-S11.	1.7	22

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55	Effects of Bergamot Polyphenols on Mitochondrial Dysfunction and Sarcoplasmic Reticulum Stress in Diabetic Cardiomyopathy. <i>Nutrients</i> , 2021, 13, 2476.	4.1	22
56	The Protective Effect of <i>Cynara Cardunculus</i> Extract in Diet-Induced NAFLD: Involvement of OCTN1 and OCTN2 Transporter Subfamily. <i>Nutrients</i> , 2020, 12, 1435.	4.1	21
57	The effect of peroxynitrite decomposition catalyst MnTBAP on aldehyde dehydrogenase-2 nitration by organic nitrates: Role in nitrate tolerance. <i>Pharmacological Research</i> , 2014, 89, 29-35.	7.1	19
58	Endothelial Dysfunction and Extra-Articular Neurological Manifestations in Rheumatoid Arthritis. <i>Biomolecules</i> , 2021, 11, 81.	4.0	19
59	Ferula L. Plant Extracts and Dose-Dependent Activity of Natural Sesquiterpene Ferutinin: From Antioxidant Potential to Cytotoxic Effects. <i>Molecules</i> , 2020, 25, 5768.	3.8	16
60	The muscle to bone axis (and viceversa): An encrypted language affecting tissues and organs and yet to be codified?. <i>Pharmacological Research</i> , 2021, 165, 105427.	7.1	16
61	From Metabolic Syndrome to Neurological Diseases: Role of Autophagy. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 651021.	3.7	16
62	The Contribution of Gut Microbiota and Endothelial Dysfunction in the Development of Arterial Hypertension in Animal Models and in Humans. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3698.	4.1	15
63	Protective Effect of Antioxidants in Nitric Oxide/COX-2 Interaction during Inflammatory Pain: The Role of Nitration. <i>Antioxidants</i> , 2020, 9, 1284.	5.1	14
64	The Potential Properties of Natural Compounds in Cardiac Stem Cell Activation: Their Role in Myocardial Regeneration. <i>Nutrients</i> , 2021, 13, 275.	4.1	14
65	Apigenin and Luteolin Regulate Autophagy by Targeting NRH-Quinone Oxidoreductase 2 in Liver Cells. <i>Antioxidants</i> , 2021, 10, 776.	5.1	13
66	The Effects of Bergamot Polyphenolic Fraction, <i>Cynara cardunculus</i> , and <i>Olea europea</i> L. Extract on Doxorubicin-Induced Cardiotoxicity. <i>Nutrients</i> , 2021, 13, 2158.	4.1	13
67	Antiproliferative Effects of Cynaropicrin on Anaplastic Thyroid Cancer Cells. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2019, 19, 59-66.	1.2	13
68	Potential of Nutraceutical Supplementation in the Modulation of White and Brown Fat Tissues in Obesity-Associated Disorders: Role of Inflammatory Signalling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3351.	4.1	12
69	Icariin Protects H9c2 Rat Cardiomyoblasts from Doxorubicin-Induced Cardiotoxicity: Role of Caveolin-1 Upregulation and Enhanced Autophagic Response. <i>Nutrients</i> , 2021, 13, 4070.	4.1	12
70	Environmental and Nutritional "Stressors" and Oligodendrocyte Dysfunction: Role of Mitochondrial and Endoplasmic Reticulum Impairment. <i>Biomedicines</i> , 2020, 8, 553.	3.2	10
71	The Role of Nutraceuticals in Osteoarthritis Prevention and Treatment: Focus on n-3 PUFAs. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-12.	4.0	10
72	Low dose of acetylsalicylic acid and oxidative stress-mediated endothelial dysfunction in diabetes: a short-term evaluation. <i>Acta Diabetologica</i> , 2015, 52, 249-256.	2.5	9

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73	Bergamot Polyphenol Fraction Exerts Effects on Bone Biology by Activating ERK 1/2 and Wnt/ β 2-Catenin Pathway and Regulating Bone Biomarkers in Bone Cell Cultures. <i>Nutrients</i> , 2018, 10, 1305.	4.1	9
74	Comparative Effect of Bergamot Polyphenolic Fraction and Red Yeast Rice Extract in Rats Fed a Hyperlipidemic Diet: Role of Antioxidant Properties and PCSK9 Expression. <i>Nutrients</i> , 2022, 14, 477.	4.1	9
75	Mitochondria Bioenergetic Functions and Cell Metabolism Are Modulated by the Bergamot Polyphenolic Fraction. <i>Cells</i> , 2022, 11, 1401.	4.1	9
76	Role of TSPO/VDAC1 Upregulation and Matrix Metalloproteinase-2 Localization in the Dysfunctional Myocardium of Hyperglycaemic Rats. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7432.	4.1	8
77	The effect of bergamot polyphenolic fraction in patients with non alcoholic liver steato-hepatitis and metabolic syndrome. <i>PharmaNutrition</i> , 2016, 4, S27-S31.	1.7	7
78	Effects of C-Peptide Replacement Therapy on Bone Microarchitecture Parameters in Streptozotocin-Diabetic Rats. <i>Calcified Tissue International</i> , 2020, 107, 266-280.	3.1	7
79	A new breakfast brioche containing bergamot fiber prevents insulin and glucose increase in healthy volunteers: a pilot study. <i>Minerva Endocrinology</i> , 2021, 46, 214-225.	1.1	7
80	The Effect of <i>Ferula communis</i> Extract in <i>Escherichia coli</i> Lipopolysaccharide-Induced Neuroinflammation in Cultured Neurons and Oligodendrocytes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7910.	4.1	7
81	The Protective Effect of Bergamot Polyphenolic Fraction (BPF) on Chemotherapy-Induced Neuropathic Pain. <i>Pharmaceuticals</i> , 2021, 14, 975.	3.8	7
82	Paradoxical effect of fat diet in matrix metalloproteinases induced mitochondrial dysfunction in diabetic cardiomyopathy. <i>Journal of Cardiovascular Medicine</i> , 2021, 22, 268-278.	1.5	6
83	Involvement of the Intestinal Microbiota in the Appearance of Multiple Sclerosis: <i>Aloe vera</i> and <i>Citrus bergamia</i> as Potential Candidates for Intestinal Health. <i>Nutrients</i> , 2022, 14, 2711.	4.1	6
84	The potential role of TLR4/caveolin-1/NOS pathway in oxyLDL-modulation of autophagic/apoptotic responses in endothelial cells. <i>International Journal of Cardiology</i> , 2016, 203, 457-458.	1.7	5
85	Aspirin wears smart. <i>European Heart Journal - Cardiovascular Pharmacotherapy</i> , 2017, 3, 185-188.	3.0	5
86	<i>Citrus bergamia</i> : Kinetics of Antimicrobial Activity on Clinical Isolates. <i>Antibiotics</i> , 2022, 11, 361.	3.7	5
87	Preventive Measures against Pandemics from the Beginning of Civilization to Nowadaysâ€”How Everything Has Remained the Same over the Millennia. <i>Journal of Clinical Medicine</i> , 2022, 11, 1960.	2.4	5
88	Enjoy your journey: the bergamot polyphenols from the tree to the cell metabolism. <i>Journal of Translational Medicine</i> , 2021, 19, 457.	4.4	4
89	The Employment of Genera <i>Vaccinium</i> , <i>Citrus</i> , <i>Olea</i> , and <i>Cynara</i> Polyphenols for the Reduction of Selected Anti-Cancer Drug Side Effects. <i>Nutrients</i> , 2022, 14, 1574.	4.1	4
90	The essential role of a "healthy" relationship between caveolin-1 and endothelial nitric oxide synthase in counteracting vascular inflammation and atherothrombosis. <i>Kardiologia Polska</i> , 2020, 78, 96-97.	0.6	2

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91	Novel application of mesenchymal stem cells from mammary artery. International Journal of Cardiology, 2015, 182, 466-468.	1.7	1
92	Efficacy and Safety of Novel Aspirin Formulations: A Randomized, Double-Blind, Placebo-Controlled Study. Pharmaceutics, 2022, 14, 187.	4.5	1