Gianfranco Pintus

List of Publications by Year in descending order

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119 papers 5,905 citations

66343 42 h-index 71 g-index

121 all docs

121 docs citations

times ranked

121

8705 citing authors

#	Article	IF	CITATIONS
1	Potential Adverse Effects of Resveratrol: A Literature Review. International Journal of Molecular Sciences, 2020, 21, 2084.	4.1	330
2	Proinflammatory Profile Within the Grossly Normal Aged Human Aortic Wall. Hypertension, 2007, 50, 219-227.	2.7	232
3	Matrix Metalloproteinase 2 Activation of Transforming Growth Factor-β1 (TGF-β1) and TGF-β1–Type II Receptor Signaling Within the Aged Arterial Wall. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 1503-1509.	2.4	227
4	Epstein–Barr Virus Epidemiology, Serology, and Genetic Variability of LMP-1 Oncogene Among Healthy Population: An Update. Frontiers in Oncology, 2018, 8, 211.	2.8	199
5	Herbal Medicine for Cardiovascular Diseases: Efficacy, Mechanisms, and Safety. Frontiers in Pharmacology, 2020, 11, 422.	3.5	185
6	MicroRNA-15a and MicroRNA-16 Impair Human Circulating Proangiogenic Cell Functions and Are Increased in the Proangiogenic Cells and Serum of Patients With Critical Limb Ischemia. Circulation Research, 2013, 112, 335-346.	4.5	180
7	Emerging cellular and molecular determinants of idiopathic pulmonary fibrosis. Cellular and Molecular Life Sciences, 2021, 78, 2031-2057.	5.4	175
8	Angiotensin II Activates Matrix Metalloproteinase Type II and Mimics Age-Associated Carotid Arterial Remodeling in Young Rats. American Journal of Pathology, 2005, 167, 1429-1442.	3.8	170
9	Nose-to-brain delivery of BACE1 siRNA loaded in solid lipid nanoparticles for Alzheimer's therapy. Colloids and Surfaces B: Biointerfaces, 2017, 152, 296-301.	5.0	163
10	Flavonoids in hypertension: a brief review of the underlying mechanisms. Current Opinion in Pharmacology, 2019, 45, 57-65.	3.5	142
11	Targeted Biocompatible Nanoparticles for the Delivery of (â^')-Epigallocatechin 3-Gallate to Prostate Cancer Cells. Journal of Medicinal Chemistry, 2011, 54, 1321-1332.	6.4	139
12	Carbonic anhydrase IX from cancer-associated fibroblasts drives epithelial-mesenchymal transition in prostate carcinoma cells. Cell Cycle, 2013, 12, 1791-1801.	2.6	136
13	Novel docetaxel-loaded nanoparticles based on poly(lactide-co-caprolactone) and poly(lactide-co-glycolide-co-caprolactone) for prostate cancer treatment: formulation, characterization, and cytotoxicity studies. Nanoscale Research Letters, 2011, 6, 260.	5.7	119
14	Targeting Kinin B1Receptor for Therapeutic Neovascularization. Circulation, 2002, 105, 360-366.	1.6	113
15	Metabolic shift toward oxidative phosphorylation in docetaxel resistant prostate cancer cells. Oncotarget, 2016, 7, 61890-61904.	1.8	103
16	Senescent stroma promotes prostate cancer progression: The role of miRâ€210. Molecular Oncology, 2014, 8, 1729-1746.	4.6	102
17	Gestational Diabetes Mellitus Impairs Fetal Endothelial Cell Functions Through a Mechanism Involving MicroRNA-101 and Histone Methyltransferase Enhancer of Zester Homolog-2. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 664-674.	2.4	100
18	Milk Fat Globule Protein Epidermal Growth Factor-8. Circulation Research, 2009, 104, 1337-1346.	4.5	99

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19	Crosstalk Between Oxidative Stress and Endoplasmic Reticulum (ER) Stress in Endothelial Dysfunction and Aberrant Angiogenesis Associated With Diabetes: A Focus on the Protective Roles of Heme Oxygenase (HO)-1. Frontiers in Physiology, 2019, 10, 70.	2.8	93
20	Increased Aortic Calpain-1 Activity Mediates Age-Associated Angiotensin II Signaling of Vascular Smooth Muscle Cells. PLoS ONE, 2008, 3, e2231.	2.5	90
21	D-Dimer Concentrations and COVID-19 Severity: A Systematic Review and Meta-Analysis. Frontiers in Public Health, 2020, 8, 432.	2.7	85
22	miR-155 Drives Metabolic Reprogramming of ER+ Breast Cancer Cells Following Long-Term Estrogen Deprivation and Predicts Clinical Response to Aromatase Inhibitors. Cancer Research, 2016, 76, 1615-1626.	0.9	82
23	Oxidative Stress-Induced Endothelial Dysfunction in Cardiovascular Diseases. Frontiers in Bioscience, 2022, 27, 0105.	2.1	74
24	A Potential Link Between Oxidative Stress and Endothelial-to-Mesenchymal Transition in Systemic Sclerosis. Frontiers in Immunology, 2018, 9, 1985.	4.8	73
25	Development of Polymeric Microbubbles Targeted to Prostate-Specific Membrane Antigen as Prototype of Novel Ultrasound Contrast Agents. Molecular Pharmaceutics, 2011, 8, 748-757.	4.6	69
26	MicroRNAs in Cardiac Hypertrophy. International Journal of Molecular Sciences, 2019, 20, 4714.	4.1	69
27	Resveratrol alters human endothelial cells redox state and causes mitochondrial-dependent cell death. Food and Chemical Toxicology, 2015, 78, 10-16.	3.6	68
28	Inhibition of the MEK/ERK signaling pathway by the novel antimetastatic agent NAMIâ€A down regulates câ€ <i>myc</i> gene expression and endothelial cell proliferation. FEBS Journal, 2002, 269, 5861-5870.	0.2	67
29	Traumatic Brain Injury: Oxidative Stress and Novel Anti-Oxidants Such as Mitoquinone and Edaravone. Antioxidants, 2020, 9, 943.	5.1	67
30	Akt Downregulation by Flavin Oxidase–Induced ROS Generation Mediates Dose-Dependent Endothelial Cell Damage Elicited by Natural Antioxidants. Toxicological Sciences, 2010, 114, 101-112.	3.1	66
31	The anti-metastatic agent imidazolium trans-imidazoledimethylsulfoxide-tetrachlororuthenate induces endothelial cell apoptosis by inhibiting the mitogen-activated protein kinase/extracellular signal-regulated kinase signaling pathway. Archives of Biochemistry and Biophysics, 2002, 403, 209-218.	3.0	63
32	Pharmacological and Antioxidant Activities of Rhus coriaria L. (Sumac). Antioxidants, 2021, 10, 73.	5.1	62
33	<p>Plasmonic MXene-based nanocomposites exhibiting photothermal therapeutic effects with lower acute toxicity than pure MXene</p> . International Journal of Nanomedicine, 2019, Volume 14, 4529-4539.	6.7	61
34	Herbal Medicine for Slowing Aging and Aging-associated Conditions: Efficacy, Mechanisms and Safety. Current Vascular Pharmacology, 2020, 18, 369-393.	1.7	56
35	Blood Cell Count Derived Inflammation Indexes in Patients with Idiopathic Pulmonary Fibrosis. Lung, 2020, 198, 821-827.	3.3	55
36	Flavin Oxidase-Induced ROS Generation Modulates PKC Biphasic Effect of Resveratrol on Endothelial Cell Survival. Biomolecules, 2019, 9, 209.	4.0	51

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37	Resveratrol Inhibits Oxidative Stress and Prevents Mitochondrial Damage Induced by Zinc Oxide Nanoparticles in Zebrafish (Danio rerio). International Journal of Molecular Sciences, 2020, 21, 3838.	4.1	49
38	Therapeutic Potential of Resveratrol in COVID-19-Associated Hemostatic Disorders. Molecules, 2021, 26, 856.	3.8	49
39	Activation of the Pro-Oxidant PKCβll-p66Shc Signaling Pathway Contributes to Pericyte Dysfunction in Skeletal Muscles of Patients With Diabetes With Critical Limb Ischemia. Diabetes, 2016, 65, 3691-3704.	0.6	48
40	Visfatin: A Possible Role in Cardiovasculo-Metabolic Disorders. Cells, 2020, 9, 2444.	4.1	48
41	Nuclear Opioid Receptors Activate Opioid Peptide Gene Transcription in Isolated Myocardial Nuclei. Journal of Biological Chemistry, 1998, 273, 13383-13386.	3.4	46
42	PKC/Raf/MEK/ERK signaling pathway modulates native-LDL-induced E2F-1 gene expression and endothelial cell proliferation. Cardiovascular Research, 2003, 59, 934-944.	3.8	45
43	Apricot Melanoidins Prevent Oxidative Endothelial Cell Death by Counteracting Mitochondrial Oxidation and Membrane Depolarization. PLoS ONE, 2012, 7, e48817.	2.5	45
44	Plasma protein thiols: an early marker of oxidative stress in asthma and chronic obstructive pulmonary disease. European Journal of Clinical Investigation, 2016, 46, 181-188.	3.4	44
45	MicroRNAs as Potential Pharmaco-targets in Ischemia-Reperfusion Injury Compounded by Diabetes. Cells, 2019, 8, 152.	4.1	41
46	Antioxidant Activity Mediates Pirfenidone Antifibrotic Effects in Human Pulmonary Vascular Smooth Muscle Cells Exposed to Sera of Idiopathic Pulmonary Fibrosis Patients. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-8.	4.0	37
47	Nano-Derived Therapeutic Formulations with Curcumin in Inflammation-Related Diseases. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-15.	4.0	37
48	Elf-pulsed magnetic fields modulate opioid peptide gene expression in myocardial cells. Cardiovascular Research, 2000, 45, 1054-1064.	3.8	35
49	Clinical and Biochemical Correlates of Serum L-Ergothioneine Concentrations in Community-Dwelling Middle-Aged and Older Adults. PLoS ONE, 2014, 9, e84918.	2.5	35
50	Oxidative stress-dependent activation of collagen synthesis is induced in human pulmonary smooth muscle cells by sera from patients with scleroderma-associated pulmonary hypertension. Orphanet Journal of Rare Diseases, 2014, 9, 123.	2.7	35
51	Resveratrol-Elicited PKC Inhibition Counteracts NOX-Mediated Endothelial to Mesenchymal Transition in Human Retinal Endothelial Cells Exposed to High Glucose. Antioxidants, 2021, 10, 224.	5.1	35
52	S-homocysteinylated LDL apolipoprotein B adversely affects human endothelial cells in vitro. Atherosclerosis, 2009, 206, 40-46.	0.8	33
53	Impaired Liver Size and Compromised Neurobehavioral Activity are Elicited by Chitosan Nanoparticles in the Zebrafish Embryo Model. Nanomaterials, 2019, 9, 122.	4.1	33
54	Phorbol Ester Regulation of Opioid Peptide Gene Expression in Myocardial Cells. Journal of Biological Chemistry, 1995, 270, 30115-30120.	3.4	32

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55	Symbiotic Association with Mycoplasma hominis Can Influence Growth Rate, ATP Production, Cytolysis and Inflammatory Response of Trichomonas vaginalis. Frontiers in Microbiology, 2016, 7, 953.	3.5	32
56	Toxicity evaluation of selected ionic liquid compounds on embryonic development of Zebrafish. Ecotoxicology and Environmental Safety, 2018, 161, 17-24.	6.0	32
57	The march of pluripotent stem cells in cardiovascular regenerative medicine. Stem Cell Research and Therapy, 2018, 9, 201.	5. 5	32
58	Opioid Peptide Gene Expression in the Primary Hereditary Cardiomyopathy of the Syrian Hamster. Journal of Biological Chemistry, 1997, 272, 6699-6705.	3.4	31
59	Improved method for plasma ADMA, SDMA, and arginine quantification by field-amplified sample injection capillary electrophoresis UV detection. Analytical and Bioanalytical Chemistry, 2011, 399, 1815-1821.	3.7	31
60	SARS-CoV-2 and endothelial cell interaction in COVID-19: molecular perspectives. Vascular Biology (Bristol, England), 2021, 3, R15-R23.	3.2	31
61	EndMT Regulation by Small RNAs in Diabetes-Associated Fibrotic Conditions: Potential Link With Oxidative Stress. Frontiers in Cell and Developmental Biology, 2021, 9, 683594.	3.7	31
62	Opioid Peptide Gene Expression in the Primary Hereditary Cardiomyopathy of the Syrian Hamster. Journal of Biological Chemistry, 1997, 272, 6685-6692.	3.4	30
63	Coumaric Acid Induces Mitochondrial Damage and Oxidative-Mediated Cell Death of Human Endothelial Cells. Cardiovascular Toxicology, 2013, 13, 301-306.	2.7	30
64	Different Redox Response Elicited by Naturally Occurring Antioxidants in Human Endothelial Cells. The Open Biochemistry Journal, 2013, 7, 44-53.	0.5	30
65	The Mitochondria: A Target of Polyphenols in the Treatment of Diabetic Cardiomyopathy. International Journal of Molecular Sciences, 2020, 21, 4962.	4.1	27
66	The Role of Epac in Cancer Progression. International Journal of Molecular Sciences, 2020, 21, 6489.	4.1	27
67	Natural products and synthetic analogues against HIV: A perspective to develop new potential anti-HIV drugs. European Journal of Medicinal Chemistry, 2022, 233, 114217.	5.5	27
68	Inositol 1,4,5-Trisphosphate Receptors in Hypertension. Frontiers in Physiology, 2018, 9, 1018.	2.8	26
69	Repurposing Ivermectin for COVID-19: Molecular Aspects and Therapeutic Possibilities. Frontiers in Immunology, 2021, 12, 663586.	4.8	26
70	Human Serum Albumin Increases the Stability of Green Tea Catechins in Aqueous Physiological Conditions. PLoS ONE, 2015, 10, e0134690.	2.5	25
71	Protective Effect of Cyclically Pressurized Solid–Liquid Extraction Polyphenols from Cagnulari Grape Pomace on Oxidative Endothelial Cell Death. Molecules, 2018, 23, 2105.	3.8	24
72	Evaluation of non-covalent interactions between serum albumin and green tea catechins by affinity capillary electrophoresis. Journal of Chromatography A, 2014, 1367, 167-171.	3.7	23

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73	Oxidative stress-induced Akt downregulation mediates green tea toxicity towards prostate cancer cells. Toxicology in Vitro, 2017, 42, 255-262.	2.4	23
74	Ecotoxicological Assessment of Thermally- and Hydrogen-Reduced Graphene Oxide/TiO2 Photocatalytic Nanocomposites Using the Zebrafish Embryo Model. Nanomaterials, 2019, 9, 488.	4.1	23
75	"Safe―Chitosan/Zinc Oxide Nanocomposite Has Minimal Organ-Specific Toxicity in Early Stages of Zebrafish Development. ACS Biomaterials Science and Engineering, 2020, 6, 38-47.	5.2	23
76	Plasma L-Ergothioneine Measurement by High-Performance Liquid Chromatography and Capillary Electrophoresis after a Pre-Column Derivatization with 5-lodoacetamidofluorescein (5-IAF) and Fluorescence Detection. PLoS ONE, 2013, 8, e70374.	2.5	22
77	Effects of Pirfenidone and Nintedanib on Markers of Systemic Oxidative Stress and Inflammation in Patients with Idiopathic Pulmonary Fibrosis: A Preliminary Report. Antioxidants, 2020, 9, 1064.	5.1	21
78	Asymmetric Dimethylarginine: a Key Player in the Pathophysiology of Endothelial Dysfunction, Vascular Inflammation and Atherosclerosis in Rheumatoid Arthritis?. Current Pharmaceutical Design, 2021, 27, 2131-2140.	1.9	20
79	Opioid Peptide Gene Expression in the Primary Hereditary Cardiomyopathy of the Syrian Hamster. Journal of Biological Chemistry, 1997, 272, 6693-6698.	3.4	17
80	Nano-targeting vascular remodeling in cancer: Recent developments and future directions. Seminars in Cancer Biology, 2022, 86, 784-804.	9.6	17
81	Marjoram Relaxes Rat Thoracic Aorta Via a PI3-K/eNOS/cGMP Pathway. Biomolecules, 2019, 9, 227.	4.0	16
82	Quantification of Lâ€ergothioneine in whole blood by hydrophilic interaction ultraâ€performance liquid chromatography and <scp>UV</scp> â€detection. Journal of Separation Science, 2013, 36, 1002-1006.	2.5	15
83	Reduced vasorin enhances angiotensin II signaling within the aging arterial wall. Oncotarget, 2018, 9, 27117-27132.	1.8	15
84	Antioxidant Properties of Olive Mill Wastewater Polyphenolic Extracts on Human Endothelial and Vascular Smooth Muscle Cells. Foods, 2021, 10, 800.	4.3	15
85	Organ-specific toxicity evaluation of stearamidopropyl dimethylamine (SAPDMA) surfactant using zebrafish embryos. Science of the Total Environment, 2020, 741, 140450.	8.0	14
86	Disease-Associated Regulation of Non-Coding RNAs by Resveratrol: Molecular Insights and Therapeutic Applications. Frontiers in Cell and Developmental Biology, 0, 10, .	3.7	14
87	Antioxidant activity of supercritical carbon dioxide extracts of Salvia desoleana on two human endothelial cell models. Food Research International, 2012, 46, 354-359.	6.2	13
88	Chronic Inflammation and Cancer: The Role of Endothelial Dysfunction and Vascular Inflammation. Current Pharmaceutical Design, 2021, 27, 2156-2169.	1.9	13
89	Ultraâ€Performance Liquid Chromatographic Determination of Lâ€Ergothioneine in Commercially Available Classes of Cow Milk. Journal of Food Science, 2014, 79, C1683-7.	3.1	12
90	Identification of the Main Intermediate Precursor of l-Ergothioneine Biosynthesis in Human Biological Specimens. Molecules, 2016, 21, 1298.	3.8	12

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91	Primary Melanoma of the Lung: A Systematic Review. Medicina (Lithuania), 2020, 56, 576.	2.0	12
92	Simultaneous determination of citrulline and arginine in human blood plasma by capillary electrophoresis with ultraviolet absorption detection. Journal of Separation Science, 2014, 37, 2418-2423.	2.5	11
93	N- and S-homocysteinylation reduce the binding of human serum albumin to catechins. European Journal of Nutrition, 2017, 56, 785-791.	3.9	11
94	JC-10 probe as a novel method for analyzing the mitochondrial membrane potential and cell stress in whole zebrafish embryos. Toxicology Research, 2022, 11, 77-87.	2.1	11
95	Simultaneous determination of the main amino thiol and thione in human whole blood by CE and LC. Bioanalysis, 2016, 8, 945-951.	1.5	10
96	Heparin inhibits phorbol ester-induced ornithine decarboxylase gene expression in endothelial cells. FEBS Letters, 1998, 423, 98-104.	2.8	9
97	Blood Cell Count Indexes of Systemic Inflammation in Carotid Artery Disease: Current Evidence and Future Perspectives. Current Pharmaceutical Design, 2021, 27, 2170-2179.	1.9	9
98	Circulating Malondialdehyde Concentrations in Obstructive Sleep Apnea (OSA): A Systematic Review and Meta-Analysis with Meta-Regression. Antioxidants, 2021, 10, 1053.	5.1	9
99	Heparin down-regulates the phorbol ester-induced protein kinase C gene expression in human endothelial cells: enzyme-mediated autoregulation of protein kinase C-α and -δ genes1. FEBS Letters, 1999, 449, 135-140.	2.8	8
100	Early joint degeneration and antagonism between growth factors and reactive oxygen species. Is non-surgical management possible?. Joints, 2015, 03, 123-128.	1.5	8
101	AEO-7 surfactant is "super toxic―and induces severe cardiac, liver and locomotion damage in zebrafish embryos. Environmental Sciences Europe, 2020, 32, .	5.5	8
102	The Oxidative State of LDL is the Major Determinant of Anti/Prooxidant Effect of Coffee on Cu2+Catalysed Peroxidation. The Open Biochemistry Journal, 2011, 5, 1-8.	0.5	8
103	Amniotic fluid l-ergothioneine concentrations in pregnant sheep after natural mating and transfer of vitrified/thawed in-vitro produced embryos. Research in Veterinary Science, 2015, 102, 238-241.	1.9	7
104	An isotope dilution capillary electrophoresis/tandem mass spectrometry (CE-MS/MS) method for the simultaneous measurement of choline, betaine, and dimethylglycine concentrations in human plasma. Analytical and Bioanalytical Chemistry, 2016, 408, 7505-7512.	3.7	7
105	Cellular immune activation in Sardinian middle-aged, older adults and centenarians. Experimental Gerontology, 2017, 99, 133-137.	2.8	7
106	Nox2 Activity Is Required in Obesity-Mediated Alteration of Bone Remodeling. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-10.	4.0	7
107	Repurposing Anticancer Drugs for the Treatment of Idiopathic Pulmonary Fibrosis and Antifibrotic Drugs for the Treatment of Cancer: State of the Art. Current Medicinal Chemistry, 2021, 28, 2234-2247.	2.4	7
108	Immunogenetics of Celiac Disease: A Focus on Arab Countries. Current Molecular Medicine, 2020, 20, 275-285.	1.3	7

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109	Circulating Superoxide Dismutase Concentrations in Obstructive Sleep Apnoea (OSA): A Systematic Review and Meta-Analysis. Antioxidants, 2021, 10, 1764.	5.1	7
110	NADPH-derived ROS generation drives fibrosis and endothelial-to-mesenchymal transition in systemic sclerosis: Potential cross talk with circulating miRNAs. Biomolecular Concepts, 2022, 13, 11-24.	2.2	7
111	Prune melanoidins protect against oxidative stress and endothelial cell death. Frontiers in Bioscience - Elite, 2011, E3, 1034-1041.	1.8	6
112	Iloprost Attenuates Oxidative Stress-Dependent Activation of Collagen Synthesis Induced by Sera from Scleroderma Patients in Human Pulmonary Microvascular Endothelial Cells. Molecules, 2021, 26, 4729.	3.8	5
113	Concentrations of l-ergothioneine in follicular fluids of farm animals. Comparative Clinical Pathology, 2015, 24, 1261-1265.	0.7	3
114	Evaluation of Global Genomic DNA Methylation in Human Whole Blood by Capillary Electrophoresis UV Detection. Journal of Analytical Methods in Chemistry, 2017, 2017, 1-6.	1.6	3
115	Editorial: Arterial Aging and Age-Associated Arterial Diseases. Frontiers in Genetics, 2018, 9, 444.	2.3	3
116	Redox Status and Proteostasis in Ageing and Disease. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-2.	4.0	1
117	Strategies to enhance graphic and results interpretation of a regression-based approach for method comparison studies. Future Science OA, 2017, 3, FSO0194.	1.9	1
118	Paraoxonase-1 Concentrations in Obstructive Sleep Apnoea: A Systematic Review and Meta-Analysis. Antioxidants, 2022, 11, 766.	5.1	1
119	Abstract 48: Age-associated Imbalance of Vasorin/TGF- \hat{l}^21 Signaling in VSMC Facilitates Collagen Production. Circulation Research, 2014, 115, .	4.5	O