Gianfranco Pintus

List of Publications by Citations

112 papers	3,778 citations	32 h-index	57 g-index
121 ext. papers	4,858 ext. citations	5.4 avg, IF	5.49 L-index

#	Paper	IF	Citations
112	Proinflammatory profile within the grossly normal aged human aortic wall. *Hypertension*, **2007**, 50, 219-27	7.5	204
111	Matrix metalloproteinase 2 activation of transforming growth factor-beta1 (TGF-beta1) and TGF-beta1-type II receptor signaling within the aged arterial wall. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2006**, 26, 1503-9	9.4	199
110	Angiotensin II activates matrix metalloproteinase type II and mimics age-associated carotid arterial remodeling in young rats. *American Journal of Pathology*, **2005**, 167, 1429-42	5.8	153
109	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, 335-46	15.7	151
108	Potential Adverse Effects of Resveratrol: A Literature Review. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	144
107	Carbonic anhydrase IX from cancer-associated fibroblasts drives epithelial-mesenchymal transition in prostate carcinoma cells. *Cell Cycle*, **2013**, 12, 1791-801	4.7	119
106	Targeted biocompatible nanoparticles for the delivery of (-)-epigallocatechin 3-gallate to prostate cancer cells. *Journal of Medicinal Chemistry*, **2011**, 54, 1321-32	8.3	117
105	Targeting kinin B(1) receptor for therapeutic neovascularization. *Circulation*, **2002**, 105, 360-6	16.7	105
104	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	6	103
103	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	103
102	Epstein-Barr Virus Epidemiology, Serology, and Genetic Variability of LMP-1 Oncogene Among Healthy Population: An Update. *Frontiers in Oncology*, **2018**, 8, 211	5.3	100
101	Senescent stroma promotes prostate cancer progression: the role of miR-210. *Molecular Oncology*, **2014**, 8, 1729-46	7.9	83
100	Milk fat globule protein epidermal growth factor-8: a pivotal relay element within the angiotensin II and monocyte chemoattractant protein-1 signaling cascade mediating vascular smooth muscle cells invasion. *Circulation Research*, **2009**, 104, 1337-46	15.7	80
99	Herbal Medicine for Cardiovascular Diseases: Efficacy, Mechanisms, and Safety. *Frontiers in Pharmacology*, **2020**, 11, 422	5.6	80
98	Increased aortic calpain-1 activity mediates age-associated angiotensin II signaling of vascular smooth muscle cells. *PLoS ONE*, **2008**, 3, e2231	3.7	79
97	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, 664-74	9.4	77
96	Flavonoids in hypertension: a brief review of the underlying mechanisms. *Current Opinion in Pharmacology*, **2019**, 45, 57-65	5.1	70

95	Metabolic shift toward oxidative phosphorylation in docetaxel resistant prostate cancer cells. *Oncotarget*, **2016**, 7, 61890-61904	3.3	68
94	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	4.6	64
93	Development of polymeric microbubbles targeted to prostate-specific membrane antigen as prototype of novel ultrasound contrast agents. *Molecular Pharmaceutics*, **2011**, 8, 748-57	5.6	62
92	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, 1615-26	10.1	59
91	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, 209-18	4.1	58
90	Inhibition of the MEK/ERK signaling pathway by the novel antimetastatic agent NAMI-A down regulates c-myc gene expression and endothelial cell proliferation. *FEBS Journal*, **2002**, 269, 5861-70		57
89	Akt downregulation by flavin oxidase-induced ROS generation mediates dose-dependent endothelial cell damage elicited by natural antioxidants. *Toxicological Sciences*, **2010**, 114, 101-12	4.4	51
88	D-Dimer Concentrations and COVID-19 Severity: A Systematic Review and Meta-Analysis. *Frontiers in Public Health*, **2020**, 8, 432	6	49
87	Resveratrol alters human endothelial cells redox state and causes mitochondrial-dependent cell death. *Food and Chemical Toxicology*, **2015**, 78, 10-6	4.7	46
86	A Potential Link Between Oxidative Stress and Endothelial-to-Mesenchymal Transition in Systemic Sclerosis. *Frontiers in Immunology*, **2018**, 9, 1985	8.4	42
85	Emerging cellular and molecular determinants of idiopathic pulmonary fibrosis. *Cellular and Molecular Life Sciences*, **2021**, 78, 2031-2057	10.3	40
84	Apricot melanoidins prevent oxidative endothelial cell death by counteracting mitochondrial oxidation and membrane depolarization. *PLoS ONE*, **2012**, 7, e48817	3.7	36
83	PKC/Raf/MEK/ERK signaling pathway modulates native-LDL-induced E2F-1 gene expression and endothelial cell proliferation. *Cardiovascular Research*, **2003**, 59, 934-44	9.9	36
82	Activation of the Pro-Oxidant PKCβ-p66Shc Signaling Pathway Contributes to Pericyte Dysfunction in Skeletal Muscles of Patients With Diabetes With Critical Limb Ischemia. *Diabetes*, **2016**, 65, 3691-3704	0.9	35
81	Plasma protein thiols: an early marker of oxidative stress in asthma and chronic obstructive pulmonary disease. *European Journal of Clinical Investigation*, **2016**, 46, 181-8	4.6	34
80	MicroRNAs in Cardiac Hypertrophy. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	32
79	Nuclear opioid receptors activate opioid peptide gene transcription in isolated myocardial nuclei. *Journal of Biological Chemistry*, **1998**, 273, 13383-6	5.4	32
78	Flavin Oxidase-Induced ROS Generation Modulates PKC Biphasic Effect of Resveratrol on Endothelial Cell Survival. *Biomolecules*, **2019**, 9,	5.9	31

77	Plasmonic MXene-based nanocomposites exhibiting photothermal therapeutic effects with lower acute toxicity than pure MXene. *International Journal of Nanomedicine*, **2019**, 14, 4529-4539	7.3	30
76	S-homocysteinylated LDL apolipoprotein B adversely affects human endothelial cells in vitro. *Atherosclerosis*, **2009**, 206, 40-6	3.1	29
75	Traumatic Brain Injury: Oxidative Stress and Novel Anti-Oxidants Such as Mitoquinone and Edaravone. *Antioxidants*, **2020**, 9,	7.1	29
74	Improved method for plasma ADMA, SDMA, and arginine quantification by field-amplified sample injection capillary electrophoresis UV detection. *Analytical and Bioanalytical Chemistry*, **2011**, 399, 1815-21	4.4	28
73	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, 2639081	6.7	27
72	MicroRNAs as Potential Pharmaco-targets in Ischemia-Reperfusion Injury Compounded by Diabetes. *Cells*, **2019**, 8,	7.9	26
71	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	4.2	26
70	Elf-pulsed magnetic fields modulate opioid peptide gene expression in myocardial cells. *Cardiovascular Research*, **2000**, 45, 1054-64	9.9	26
69	Herbal Medicine for Slowing Aging and Aging-associated Conditions: Efficacy, Mechanisms and Safety. *Current Vascular Pharmacology*, **2020**, 18, 369-393	3.3	26
68	Resveratrol Inhibits Oxidative Stress and Prevents Mitochondrial Damage Induced by Zinc Oxide Nanoparticles in Zebrafish (). *International Journal of Molecular Sciences*, **2020**, 21,	6.3	25
67	Clinical and biochemical correlates of serum L-ergothioneine concentrations in community-dwelling middle-aged and older adults. *PLoS ONE*, **2014**, 9, e84918	3.7	25
66	Phorbol ester regulation of opioid peptide gene expression in myocardial cells. Role of nuclear protein kinase. *Journal of Biological Chemistry*, **1995**, 270, 30115-20	5.4	25
65	Coumaric acid induces mitochondrial damage and oxidative-mediated cell death of human endothelial cells. *Cardiovascular Toxicology*, **2013**, 13, 301-6	3.4	24
64	Human Serum Albumin Increases the Stability of Green Tea Catechins in Aqueous Physiological Conditions. *PLoS ONE*, **2015**, 10, e0134690	3.7	23
63	Different redox response elicited by naturally occurring antioxidants in human endothelial cells. *The Open Biochemistry Journal*, **2013**, 7, 44-53	0.9	23
62	Symbiotic Association with Mycoplasma hominis Can Influence Growth Rate, ATP Production, Cytolysis and Inflammatory Response of Trichomonas vaginalis. *Frontiers in Microbiology*, **2016**, 7, 953	5.7	23
61	Toxicity evaluation of selected ionic liquid compounds on embryonic development of Zebrafish. *Ecotoxicology and Environmental Safety*, **2018**, 161, 17-24	7	23
60	Oxidative stress-induced Akt downregulation mediates green tea toxicity towards prostate cancer cells. *Toxicology in Vitro*, **2017**, 42, 255-262	3.6	21

59	Impaired Liver Size and Compromised Neurobehavioral Activity are Elicited by Chitosan Nanoparticles in the Zebrafish Embryo Model. *Nanomaterials*, **2019**, 9,	5.4	21
58	Evaluation of non-covalent interactions between serum albumin and green tea catechins by affinity capillary electrophoresis. *Journal of Chromatography A*, **2014**, 1367, 167-71	4.5	21
57	Opioid peptide gene expression in the primary hereditary cardiomyopathy of the Syrian hamster. I. Regulation of prodynorphin gene expression by nuclear protein kinase C. *Journal of Biological Chemistry*, **1997**, 272, 6685-92	5.4	21
56	Opioid peptide gene expression in the primary hereditary cardiomyopathy of the Syrian hamster. III. Autocrine stimulation of prodynorphin gene expression by dynorphin B. *Journal of Biological Chemistry*, **1997**, 272, 6699-705	5.4	21
55	Therapeutic Potential of Resveratrol in COVID-19-Associated Hemostatic Disorders. *Molecules*, **2021**, 26,	4.8	21
54	The march of pluripotent stem cells in cardiovascular regenerative medicine. *Stem Cell Research and Therapy*, **2018**, 9, 201	8.3	19
53	Inositol 1,4,5-Trisphosphate Receptors in Hypertension. *Frontiers in Physiology*, **2018**, 9, 1018	4.6	18
52	SARS-CoV-2 and endothelial cell interaction in COVID-19: molecular perspectives. *Vascular Biology (Bristol, England)*, **2021**, 3, R15-R23	2.9	18
51	Ecotoxicological Assessment of Thermally- and Hydrogen-Reduced Graphene Oxide/TiO Photocatalytic Nanocomposites Using the Zebrafish Embryo Model. *Nanomaterials*, **2019**, 9,	5.4	17
50	Plasma L-ergothioneine measurement by high-performance liquid chromatography and capillary electrophoresis after a pre-column derivatization with 5-iodoacetamidofluorescein (5-IAF) and fluorescence detection. *PLoS ONE*, **2013**, 8, e70374	3.7	17
49	Protective Effect of Cyclically Pressurized Solid?Liquid Extraction Polyphenols from Grape Pomace on Oxidative Endothelial Cell Death. *Molecules*, **2018**, 23,	4.8	16
48	Blood Cell Count Derived Inflammation Indexes in Patients with Idiopathic Pulmonary Fibrosis. *Lung* , **2020**, 198, 821-827	2.9	14
47	Quantification of L-ergothioneine in whole blood by hydrophilic interaction ultra-performance liquid chromatography and UV-detection. *Journal of Separation Science*, **2013**, 36, 1002-6	3.4	13
46	Visfatin: A Possible Role in Cardiovasculo-Metabolic Disorders. *Cells*, **2020**, 9,	7.9	13
45	Repurposing Ivermectin for COVID-19: Molecular Aspects and Therapeutic Possibilities. *Frontiers in Immunology*, **2021**, 12, 663586	8.4	13
44	Antioxidant activity of supercritical carbon dioxide extracts of Salvia desoleana on two human endothelial cell models. *Food Research International*, **2012**, 46, 354-359	7	12
43	Opioid peptide gene expression in the primary hereditary cardiomyopathy of the Syrian hamster. II. Role of intracellular calcium loading. *Journal of Biological Chemistry*, **1997**, 272, 6693-8	5.4	12
42	Nano-Derived Therapeutic Formulations with Curcumin in Inflammation-Related Diseases. *Oxidative Medicine and Cellular Longevity*, **2021**, 2021, 3149223	6.7	12

41	"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	5.5	11
40	Resveratrol-Elicited PKC Inhibition Counteracts NOX-Mediated Endothelial to Mesenchymal Transition in Human Retinal Endothelial Cells Exposed to High Glucose. *Antioxidants*, **2021**, 10,	7.1	11
39	Ultra-performance liquid chromatographic determination of L-ergothioneine in commercially available classes of cow milk. *Journal of Food Science*, **2014**, 79, C1683-7	3.4	10
38	Simultaneous determination of citrulline and arginine in human blood plasma by capillary electrophoresis with ultraviolet absorption detection. *Journal of Separation Science*, **2014**, 37, 2418-23	3.4	10
37	The Mitochondria: A Target of Polyphenols in the Treatment of Diabetic Cardiomyopathy. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	10
36	Pharmacological and Antioxidant Activities of L. (Sumac). *Antioxidants*, **2021**, 10,	7.1	10
35	Identification of the Main Intermediate Precursor of l-Ergothioneine Biosynthesis in Human Biological Specimens. *Molecules*, **2016**, 21,	4.8	9
34	EndMT Regulation by Small RNAs in Diabetes-Associated Fibrotic Conditions: Potential Link With Oxidative Stress. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 683594	5.7	8
33	Simultaneous determination of the main amino thiol and thione in human whole blood by CE and LC. *Bioanalysis*, **2016**, 8, 945-51	2.1	8
32	N- and S-homocysteinylation reduce the binding of human serum albumin to catechins. *European Journal of Nutrition*, **2017**, 56, 785-791	5.2	7
31	Marjoram Relaxes Rat Thoracic Aorta Via a PI3-K/eNOS/cGMP Pathway. *Biomolecules*, **2019**, 9,	5.9	7
30	Organ-specific toxicity evaluation of stearamidopropyl dimethylamine (SAPDMA) surfactant using zebrafish embryos. *Science of the Total Environment*, **2020**, 741, 140450	10.2	7
29	Early joint degeneration and antagonism between growth factors and reactive oxygen species. Is non-surgical management possible?. *Joints*, **2015**, 3, 123-8	1.1	7
28	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, 7505-12	4.4	7
27	Reduced vasorin enhances angiotensin II signaling within the aging arterial wall. *Oncotarget*, **2018**, 9, 27117-27132	3.3	7
26	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, 238-41	2.5	6
25	Heparin inhibits phorbol ester-induced ornithine decarboxylase gene expression in endothelial cells. *FEBS Letters*, **1998**, 423, 98-104	3.8	6
24	The Oxidative State of LDL is the Major Determinant of Anti/Prooxidant Effect of Coffee on Cu Catalysed Peroxidation. *The Open Biochemistry Journal*, **2011**, 5, 1-8	0.9	6

23	Prune melanoidins protect against oxidative stress and endothelial cell death. *Frontiers in Bioscience - Elite*, **2011**, 3, 1034-41	1.6	6
22	The Role of Epac in Cancer Progression. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	6
21	Antioxidant Properties of Olive Mill Wastewater Polyphenolic Extracts on Human Endothelial and Vascular Smooth Muscle Cells. *Foods*, **2021**, 10,	4.9	6
20	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,	7.1	5
19	Heparin down-regulates the phorbol ester-induced protein kinase C gene expression in human endothelial cells: enzyme-mediated autoregulation of protein kinase C-alpha and -delta genes. *FEBS Letters*, **1999**, 449, 135-40	3.8	5
18	Oxidative Stress-Induced Endothelial Dysfunction in Cardiovascular Diseases.. *Frontiers in Bioscience*, **2022**, 27, 105		5
17	Cellular immune activation in Sardinian middle-aged, older adults and centenarians. *Experimental Gerontology*, **2017**, 99, 133-137	4.5	4
16	Immunogenetics of Celiac Disease: A Focus on Arab Countries. *Current Molecular Medicine*, **2020**, 20, 275-285	2.5	4
15	Primary Melanoma of the Lung: A Systematic Review. *Medicina (Lithuania)*, **2020**, 56,	3.1	4
14	Concentrations of l-ergothioneine in follicular fluids of farm animals. *Comparative Clinical Pathology* , **2015**, 24, 1261-1265	0.9	3
13	Evaluation of Global Genomic DNA Methylation in Human Whole Blood by Capillary Electrophoresis UV Detection. *Journal of Analytical Methods in Chemistry*, **2017**, 2017, 4065892	2	3
12	AEO-7 surfactant is □uper toxic□and induces severe cardiac, liver and locomotion damage in zebrafish embryos. *Environmental Sciences Europe*, **2020**, 32,	5	3
11	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	4.3	3
10	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	3.3	3
9	Nox2 Activity Is Required in Obesity-Mediated Alteration of Bone Remodeling. *Oxidative Medicine and Cellular Longevity*, **2018**, 2018, 6054361	6.7	3
8	Blood Cell Count Indexes of Systemic Inflammation in Carotid Artery Disease: Current Evidence and Future Perspectives. *Current Pharmaceutical Design*, **2021**, 27, 2170-2179	3.3	2
7	Iloprost Attenuates Oxidative Stress-Dependent Activation of Collagen Synthesis Induced by Sera from Scleroderma Patients in Human Pulmonary Microvascular Endothelial Cells. *Molecules*, **2021**, 26,	4.8	2
6	Nano-targeting vascular remodeling in cancer: Recent developments and future directions.. *Seminars in Cancer Biology*, **2022**,	12.7	2

5	Strategies to enhance graphic and results interpretation of a regression-based approach for method comparison studies. *Future Science OA*, **2017**, 3, FSO0194	2.7	1
4	Natural products and synthetic analogues against HIV: A perspective to develop new potential anti-HIV drugs.. *European Journal of Medicinal Chemistry*, **2022**, 233, 114217	6.8	1
3	Chronic Inflammation and Cancer: The Role of Endothelial Dysfunction and Vascular Inflammation. *Current Pharmaceutical Design*, **2021**, 27, 2156-2169	3.3	0
2	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	3.7	0
1	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	2.6	0