

Roberta Masella

List of Publications by Year in descending order

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117
papers

5,788
citations

101543

36
h-index

76900

74
g-index

147
all docs

147
docs citations

147
times ranked

9733
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel mechanisms of natural antioxidant compounds in biological systems: involvement of glutathione and glutathione-related enzymes. <i>Journal of Nutritional Biochemistry</i> , 2005, 16, 577-586.	4.2	840
2	Bioavailability of the Polyphenols: Status and Controversies. <i>International Journal of Molecular Sciences</i> , 2010, 11, 1321-1342.	4.1	689
3	Polyphenols, dietary sources and bioavailability. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2007, 43, 348-61.	0.4	360
4	Cyanidin-3-O-Glucoside and Protocatechuic Acid Exert Insulin-Like Effects by Upregulating PPAR β Activity in Human Omental Adipocytes. <i>Diabetes</i> , 2011, 60, 2234-2244.	0.6	223
5	Polyphenols, intracellular signalling and inflammation. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2007, 43, 394-405.	0.4	204
6	Protocatechuic Acid and Human Disease Prevention: Biological Activities and Molecular Mechanisms. <i>Current Medicinal Chemistry</i> , 2012, 19, 2901-2917.	2.4	167
7	Extra Virgin Olive Oil Biophenols Inhibit Cell-Mediated Oxidation of LDL by Increasing the mRNA Transcription of Glutathione-Related Enzymes. <i>Journal of Nutrition</i> , 2004, 134, 785-791.	2.9	154
8	Protective effect of oleuropein, an olive oil biophenol, on low density lipoprotein oxidizability in rabbits. <i>Lipids</i> , 2000, 35, 45-54.	1.7	150
9	Protocatechuic acid induces antioxidant/detoxifying enzyme expression through JNK-mediated Nrf2 activation in murine macrophages. <i>Journal of Nutritional Biochemistry</i> , 2011, 22, 409-417.	4.2	139
10	Tyrosol, the Major Olive Oil Biophenol, Protects Against Oxidized-LDL-Induced Injury in Caco-2 Cells. <i>Journal of Nutrition</i> , 1999, 129, 1269-1277.	2.9	136
11	Tyrosol, the major extra virgin olive oil compound, restored intracellular antioxidant defences in spite of its weak antioxidative effectiveness. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2007, 17, 535-545.	2.6	127
12	Nutrition and human health from a sex-specific gender perspective. <i>Molecular Aspects of Medicine</i> , 2011, 32, 1-70.	6.4	118
13	Modulatory Effects of Polyphenols on Apoptosis Induction: Relevance for Cancer Prevention. <i>International Journal of Molecular Sciences</i> , 2008, 9, 213-228.	4.1	107
14	Mitochondria hyperpolarization is an early event in oxidized low-density lipoprotein-induced apoptosis in Caco-2 intestinal cells. <i>FEBS Letters</i> , 2002, 523, 200-206.	2.8	99
15	Anti-inflammatory Activity of Extra Virgin Olive Oil Polyphenols: Which Role in the Prevention and Treatment of Immune-Mediated Inflammatory Diseases?. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2017, 18, 36-50.	1.2	96
16	Consumption of extra-virgin olive oil rich in phenolic compounds improves metabolic control in patients with type 2 diabetes mellitus: a possible involvement of reduced levels of circulating visfatin. <i>Journal of Endocrinological Investigation</i> , 2016, 39, 1295-1301.	3.3	75
17	Fanconi anaemia proteins: Major roles in cell protection against oxidative damage. <i>BioEssays</i> , 2003, 25, 589-595.	2.5	66
18	Antioxidant activity of 3,4-DHPEA-EA and protocatechuic acid: a comparative assessment with other olive oil biophenols. <i>Redox Report</i> , 1999, 4, 113-121.	4.5	65

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19	Gender-related differences in lifestyle may affect health status. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2016, 52, 158-66.	0.4	63
20	Effects of dietary virgin olive oil phenols on low density lipoprotein oxidation in hyperlipidemic patients. <i>Lipids</i> , 2001, 36, 1195-1202.	1.7	62
21	Protocatechuic acid activates key components of insulin signaling pathway mimicking insulin activity. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 1472-1481.	3.3	62
22	Ageing and red blood cell membrane: a study of centenarians. <i>Experimental Gerontology</i> , 1999, 34, 47-57.	2.8	61
23	Wheat gliadin induces apoptosis of intestinal cells via an autocrine mechanism involving Fas-Fas ligand pathway. <i>FEBS Letters</i> , 2003, 540, 117-124.	2.8	61
24	Distinct Blood and Visceral Adipose Tissue Regulatory T Cell and Innate Lymphocyte Profiles Characterize Obesity and Colorectal Cancer. <i>Frontiers in Immunology</i> , 2017, 8, 643.	4.8	60
25	Predominant role of obesity/insulin resistance in oxidative stress development. <i>European Journal of Clinical Investigation</i> , 2012, 42, 70-78.	3.4	57
26	Visceral fat adipocytes from obese and colorectal cancer subjects exhibit distinct secretory and %6 polyunsaturated fatty acid profiles and deliver immunosuppressive signals to innate immunity cells. <i>Oncotarget</i> , 2016, 7, 63093-63105.	1.8	57
27	Oxidised LDL modulate adipogenesis in 3T3-L1 preadipocytes by affecting the balance between cell proliferation and differentiation. <i>FEBS Letters</i> , 2006, 580, 2421-2429.	2.8	56
28	Effect of protocatechuic acid on insulin responsiveness and inflammation in visceral adipose tissue from obese individuals: possible role for PTP1B. <i>International Journal of Obesity</i> , 2018, 42, 2012-2021.	3.4	54
29	Effect of Biophenols on Olive Oil Stability Evaluated by Thermogravimetric Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 1998, 46, 4465-4469.	5.2	51
30	Effects of monounsaturated vs. saturated fat on postprandial lipemia and adipose tissue lipases in type 2 diabetes. <i>Clinical Nutrition</i> , 2008, 27, 133-141.	5.0	49
31	Could gestational diabetes mellitus be managed through dietary bioactive compounds? Current knowledge and future perspectives. <i>British Journal of Nutrition</i> , 2016, 115, 1129-1144.	2.3	48
32	Role of polyphenols in cell death control. <i>Nutritional Neuroscience</i> , 2012, 15, 134-149.	3.1	47
33	In vivoprooxidant state in Werner syndrome (WS): Results from three WS patients and two WS heterozygotes. <i>Free Radical Research</i> , 2005, 39, 529-533.	3.3	44
34	Oxidised LDL up-regulate CD36 expression by the Nrf2 pathway in 3T3-L1 preadipocytes. <i>FEBS Letters</i> , 2008, 582, 2291-2298.	2.8	43
35	%3 Polyunsaturated Fatty Acids as Immunomodulators in Colorectal Cancer: New Potential Role in Adjuvant Therapies. <i>Frontiers in Immunology</i> , 2016, 7, 486.	4.8	42
36	Apoptosis induced by oxidized lipids is associated with up-regulation of p66Shc in intestinal Caco-2 cells: protective effects of phenolic compounds. <i>Journal of Nutritional Biochemistry</i> , 2008, 19, 118-128.	4.2	38

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37	Regulation of Dendritic Cell Function by Dietary Polyphenols. <i>Critical Reviews in Food Science and Nutrition</i> , 2016, 56, 737-747.	10.3	38
38	Structural Changes of the Erythrocyte as a Marker of Non-Insulin-Dependent Diabetes: Protective Effects of N-Acetylcysteine. <i>Biochemical and Biophysical Research Communications</i> , 2002, 290, 1393-1398.	2.1	37
39	Oxidized LDL impair adipocyte response to insulin by activating serine/threonine kinases. <i>Journal of Lipid Research</i> , 2009, 50, 832-845.	4.2	36
40	Phenolic Compounds and Antioxidant Activity of Italian Extra Virgin Olive Oil Monti Iblei. <i>Journal of Medicinal Food</i> , 2007, 10, 650-656.	1.5	34
41	Hepatocyte growth factor protects rat RINm5F cell line against free fatty acid-induced apoptosis by counteracting oxidative stress. <i>Journal of Molecular Endocrinology</i> , 2007, 38, 147-158.	2.5	33
42	Effect of taurine administration on liver lipids in guinea pig. <i>Experientia</i> , 1986, 42, 407-408.	1.2	32
43	Biomarkers of Subclinical Atherosclerosis in Patients with Autoimmune Disorders. <i>Mediators of Inflammation</i> , 2012, 2012, 1-8.	3.0	32
44	Ω ³ -PUFAs Exert Anti-Inflammatory Activity in Visceral Adipocytes from Colorectal Cancer Patients. <i>PLoS ONE</i> , 2013, 8, e77432.	2.5	32
45	Redox imbalance and immune functions: opposite effects of oxidized low-density lipoproteins and N-acetylcysteine. <i>Immunology</i> , 2001, 104, 431-438.	4.4	31
46	Molecular composition of biliary phosphatidylcholines, as related to cholesterol saturation, transport and nucleation in human gallbladder bile. <i>Journal of Hepatology</i> , 1992, 15, 59-66.	3.7	30
47	Postprandial chylomicrons and adipose tissue lipoprotein lipase are altered in type 2 diabetes independently of obesity and whole-body insulin resistance. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2008, 18, 531-538.	2.6	29
48	Protocatechuic Acid Prevents oxLDL-Induced Apoptosis by Activating JNK/Nrf2 Survival Signals in Macrophages. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-11.	4.0	28
49	Protocatechuic acid inhibits human dendritic cell functional activation: Role of PPAR ^γ up-modulation. <i>Immunobiology</i> , 2014, 219, 416-424.	1.9	25
50	Apoptosis in cancer and atherosclerosis: polyphenol activities. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2007, 43, 406-16.	0.4	25
51	On the mechanism of action of Ionidamine: A study on human erythrocyte membrane. <i>Experimental and Molecular Pathology</i> , 1988, 49, 361-372.	2.1	24
52	Determination of phospholipids in biological samples by an improved densitometric method on thin-layer chromatograms. <i>Clinica Chimica Acta</i> , 1988, 176, 63-70.	1.1	24
53	Cross-talk between fetal membranes and visceral adipose tissue involves HMGB1/RAGE and VIP/VPA2 pathways in human gestational diabetes mellitus. <i>Acta Diabetologica</i> , 2019, 56, 681-689.	2.5	23
54	Cytoskeleton alterations of erythrocytes from patients with Fanconi's anemia. <i>FEBS Letters</i> , 2000, 468, 125-128.	2.8	22

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55	Gender-related differences in dietary habits. <i>Clinical Management Issues</i> , 2017, 11, .	0.3	22
56	Oxidized Low-Density Lipoproteins Affect Natural Killer Cell Activity by Impairing Cytoskeleton Function and Altering the Cytokine Network. <i>Experimental Cell Research</i> , 1997, 236, 436-445.	2.6	21
57	Type 2 diabetes mellitus is characterized by reduced postprandial adiponectin response: a possible link with diabetic postprandial dyslipidemia. <i>Metabolism: Clinical and Experimental</i> , 2010, 59, 567-574.	3.4	21
58	Separation and determination of molecular species of phosphatidylcholine in biological samples by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1990, 507, 339-349.	3.7	20
59	Management of reproduction and pregnancy complications in maternal obesity: Which role for dietary polyphenols?. <i>BioFactors</i> , 2014, 40, 79-102.	5.4	19
60	Oxidized Low Density Lipoproteins Impair Peripheral Blood Mononuclear Cell Proliferation and Cytokine Production. <i>Biochemical and Biophysical Research Communications</i> , 1997, 232, 359-363.	2.1	18
61	Improvement of estradiol 17 β -D-glucuronide cholestasis by intravenous administration of dimethylethanolamine in the rat. <i>Hepatology</i> , 1991, 13, 1158-1172.	7.3	17
62	OxLDL induced p53-dependent apoptosis by activating p38MAPK and PKC δ signaling pathways in J774A.1 macrophage cells. <i>Journal of Molecular Cell Biology</i> , 2011, 3, 316-318.	3.3	17
63	Characterization of vesicles, containing an acylated oligopeptide, released by human colon adenocarcinoma cells. <i>FEBS Letters</i> , 1989, 246, 25-29.	2.8	16
64	Obesity-Associated Inflammation: Does Curcumin Exert a Beneficial Role?. <i>Nutrients</i> , 2021, 13, 1021.	4.1	16
65	Recent Evidence on the Role of Dietary PUFAs in Cancer Development and Prevention. <i>Current Medicinal Chemistry</i> , 2018, 25, 1818-1836.	2.4	15
66	Health issues and informal caregiving in Europe and Italy. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2019, 55, 41-50.	0.4	14
67	Anti-ATP Synthase Autoantibodies from Patients with Alzheimer's Disease Reduce Extracellular HDL Level. <i>Journal of Alzheimer's Disease</i> , 2011, 26, 441-445.	2.6	12
68	Curcuma Longa, the "Golden Spice" to Counteract Neuroinflammation and Cognitive Decline? What Have We Learned and What Needs to Be Done. <i>Nutrients</i> , 2021, 13, 1519.	4.1	11
69	Impaired hepatic handling and processing of lysophosphatidylcholine in rats with liver cirrhosis. <i>Gastroenterology</i> , 1991, 101, 228-237.	1.3	10
70	Changes in erythrocyte membrane lipid composition affect the transient decrease in membrane order which accompanies insulin receptor down-regulation. <i>Experientia</i> , 1992, 48, 36-39.	1.2	10
71	Influence of Age on Hepatic Uptake of HDL1-Cholesterol in Male Wistar Rats with Bile Duct Cannulation1. <i>Journal of Biochemistry</i> , 1994, 115, 833-836.	1.7	10
72	Susceptibility to Oxidation of Plasma Low-Density Lipoprotein in X-Linked Adrenoleukodystrophy: Effects of Simvastatin Treatment. <i>Molecular Genetics and Metabolism</i> , 2000, 71, 651-655.	1.1	10

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73	Transport, utilization and biliary secretion of lysophosphatidylcholine in the rat liver. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1987, 905, 91-99.	2.6	9
74	Acute and long-term effects of low-density lipoprotein (LDL)-apheresis on oxidative damage to LDL and reducing capacity of erythrocytes in patients with severe familial hypercholesterolaemia. <i>Clinical Science</i> , 2001, 100, 191.	4.3	9
75	Promoting Health and Food Literacy through Nutrition Education at Schools: The Italian Experience with MaestraNatura Program. <i>Nutrients</i> , 2021, 13, 1547.	4.1	9
76	Improved determination of individual molecular species of phosphatidylcholine in biological samples by high-performance liquid chromatography with internal standards. <i>Journal of Chromatography A</i> , 1992, 593, 139-146.	3.7	8
77	Effect of intravenous polyunsaturated phosphatidylcholine infusion on insulin receptor processing and lipid composition of erythrocytes in patients with liver cirrhosis. <i>European Journal of Clinical Investigation</i> , 1992, 22, 777-782.	3.4	8
78	Human Erythrocyte Insulin Receptor Processing Is Affected by the Oxidizing Agent Menadione. <i>Experimental Cell Research</i> , 1993, 206, 195-203.	2.6	8
79	Subcellular Alterations Induced by UV-Oxidized Low-Density Lipoproteins in Epithelial Cells Can Be Counteracted by \pm -Tocopherol. <i>Photochemistry and Photobiology</i> , 2000, 71, 97.	2.5	8
80	Lampaya Medicinalis Phil. decreases lipid-induced triglyceride accumulation and proinflammatory markers in human hepatocytes and fat body of <i>Drosophila melanogaster</i> . <i>International Journal of Obesity</i> , 2021, 45, 1464-1475.	3.4	8
81	Dietary Fatty Acids at the Crossroad between Obesity and Colorectal Cancer: Fine Regulators of Adipose Tissue Homeostasis and Immune Response. <i>Cells</i> , 2021, 10, 1738.	4.1	8
82	Studies of Structural Modifications Induced by $\hat{1}^3$ -irradiation in Distearoylphosphatidylcholine Liposomes. <i>International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine</i> , 1987, 52, 145-156.	1.0	7
83	Age-related changes in blood and liver lipids of male wistar rats. <i>Archives of Gerontology and Geriatrics</i> , 1993, 16, 249-262.	3.0	7
84	Spectrin Changes Occur in Erythrocytes from Patients with Fanconi's Anemia and Their Parents. <i>Biochemical and Biophysical Research Communications</i> , 2000, 273, 899-901.	2.1	7
85	Dietary habits affect fatty acid composition of visceral adipose tissue in subjects with colorectal cancer or obesity. <i>European Journal of Nutrition</i> , 2020, 59, 1463-1472.	3.9	7
86	Extra virgin olive oil polyphenols: biological properties and antioxidant activity. , 2020, , 225-233.		7
87	Effects of Taurine on Microsomal Enzyme Activities Involved in Liver Lipid Metabolism of Wistar Rats. <i>Advances in Experimental Medicine and Biology</i> , 1994, 359, 99-110.	1.6	7
88	Influence of age on the lipoprotein profile of male Wistar rats. <i>Archives of Gerontology and Geriatrics</i> , 1992, 15, 93-100.	3.0	6
89	CCAAT/enhancer-binding protein- $\hat{1}^2$ participates in oxidized LDL-enhanced proliferation in 3T3-L1 cells. <i>Biochimie</i> , 2011, 93, 1510-1519.	2.6	6
90	Selective hepatic enrichment of polyunsaturated phosphatidylcholines after intravenous administration of dimethylethanolamine in the rat. <i>Lipids and Lipid Metabolism</i> , 1989, 1006, 116-120.	2.6	4

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91	Insulin receptor processing and lipid composition of erythrocyte membrane in patients with hyperlipidemia. <i>Journal of Biomedical Science</i> , 1995, 2, 242-248.	7.0	4
92	Age-related variations in plasma and liver lipids of Yoshida rats: a comparison with Wistar rats. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1995, 111, 319-327.	1.6	4
93	Hydroethanolic Extract of <i>Lampaya Medicinalis</i> Phil. (Verbenaceae) Decreases Proinflammatory Marker Expression in Palmitic Acid-exposed Macrophages. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2020, 20, 1309-1320.	1.2	4
94	Significance of Sex Differences in ncRNAs Expression and Function in Pregnancy and Related Complications. <i>Biomedicines</i> , 2021, 9, 1509.	3.2	4
95	Mildly oxidized low-density lipoprotein inhibits the in vitro induction of the specific antibody response to <i>Candida albicans</i> . <i>Free Radical Biology and Medicine</i> , 2005, 39, 960-969.	2.9	3
96	Role of Protocatechuic Acid in Obesity-Related Pathologies. , 2014, , 177-189.		3
97	Protocatechuic acid influences immune-metabolic changes in the adipose tissue of pregnant women with gestational diabetes mellitus. <i>Food and Function</i> , 2021, 12, 7490-7500.	4.6	3
98	Curcumin: A Promising Tool to Develop Preventive and Therapeutic Strategies against Non-Communicable Diseases, Still Requiring Verification by Sound Clinical Trials. <i>Nutrients</i> , 2022, 14, 1401.	4.1	3
99	Gender-related sociocultural differences and COVID-19: what influence on the effects of the pandemic?. <i>Epidemiologia E Prevenzione</i> , 2020, 44, 398-399.	1.1	2
100	Improving Nutrition Knowledge and Skills by the Innovative Education Program MaestraNatura in Middle School Students of Italy. <i>Nutrients</i> , 2022, 14, 2037.	4.1	2
101	Composition of Free Fatty Acids and Adipose Tissue Triglycerides in Portacaval Shunted Rats. <i>European Surgical Research</i> , 1987, 19, 151-158.	1.3	1
102	Regulation of Protein Function by Glutathionylation. , 0, , 189-209.		1
103	Role of Protocatechuic Acid in Obesity-Related Pathologies: An Update. , 2018, , 181-192.		1
104	In Vitro Evaluation of Hypotaurine Activity on Oxidized LDL. <i>Advances in Experimental Medicine and Biology</i> , 1998, 442, 9-15.	1.6	1
105	Dietary fatty acids and adipose tissue inflammation at the crossroad between obesity and colorectal cancer. <i>Journal of Cancer Metastasis and Treatment</i> , 0, 2019, .	0.8	1
106	Tyrosol, an olive oil biophenol, protects intestinal cultured cells Caco-2 against oxidized-low density lipoprotein-induced injury. <i>Atherosclerosis</i> , 1999, 144, 172.	0.8	0
107	Atherosclerotic disease and protective role of olive oil biophenols: Experimental approach on animal model. <i>Atherosclerosis</i> , 1999, 144, 174.	0.8	0
108	W12-P-083 Mildly oxidized low density lipoproteins inhibit the in vitro induction of the specific antibody response to <i>Candida albicans</i> . <i>Atherosclerosis Supplements</i> , 2005, 6, 82.	1.2	0

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109	T01-P-001 Postprandial VLDL abnormalities are related to insulin resistance while chylomicron abnormalities are diabetes specific. <i>Atherosclerosis Supplements</i> , 2005, 6, 133.	1.2	0
110	Tu-W22:4 Type 2 diabetes is characterized by low postrandial adiponectin plasma levels and adipose tissue gene expression. <i>Atherosclerosis Supplements</i> , 2006, 7, 165.	1.2	0
111	Subcellular Alterations Induced by UV-Oxidized Low-Density Lipoproteins in Epithelial Cells Can Be Counteracted by α -Tocopherol. <i>Photochemistry and Photobiology</i> , 2007, 71, 97-102.	2.5	0
112	The anti-inflammatory effects of polyphenols on human adipocytes and innate immune cells isolated from visceral fat. <i>Proceedings of the Nutrition Society</i> , 2010, 69, .	1.0	0
113	Extra Virgin Olive Oil Biophenols and mRNA Transcription of Glutathione-related Enzymes. , 2010, , 1095-1102.		0
114	MON-600 Hydroethanolic Extract of <i>Lampaya Medicinalis</i> Phil. (Verbenaceae) Decreases Intracellular Triglycerides and Proinflammatory Marker Expression in Fatty Acid-Exposed HepG2 Hepatocytes. <i>Journal of the Endocrine Society</i> , 2020, 4, .	0.2	0
115	“Molecular aspects of dietary polyphenols in pregnancy”, 2021, , 233-264.		0
116	Human Genetic Defects in Apoptosis Pathways and Processes. , 2010, , 29-46.		0
117	Protocatechuic acids protects against high glucose- induced insulin resistance in human visceral adipose tissue. <i>Problemy Endokrinologii</i> , 2016, 62, 45-46.	0.8	0