

# Mario Fontana

## List of Publications by Year in descending order

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79  
papers

1,381  
citations

331670

21  
h-index

395702

33  
g-index

83  
all docs

83  
docs citations

83  
times ranked

1831  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemistry of Outlandish Natural Products Belonging to Sulfur Metabolism: Unrevealed Green Syntheses and Separation Strategies from the Cavallini's Old School. <i>Separations</i> , 2022, 9, 45.	2.4	1
2	Effect of Natural Deep Eutectic Solvents on trans-Resveratrol Photo-Chemical Induced Isomerization and 2,4,6-Trihydroxyphenanthrene Electro-Cyclic Formation. <i>Molecules</i> , 2022, 27, 2348.	3.8	5
3	Pheomelanin Effect on UVB Radiation-Induced Oxidation/Nitration of L-Tyrosine. <i>International Journal of Molecular Sciences</i> , 2022, 23, 267.	4.1	7
4	Fluorometric Optimized Determination of Total Glutathione in Erythrocytes. <i>Separations</i> , 2021, 8, 83.	2.4	4
5	Pharmacokinetic properties of a novel formulation of S-adenosyl-L-methionine phytate. <i>Amino Acids</i> , 2021, 53, 1559-1568.	2.7	4
6	Paraneoplastic Neuromyelitis Optica Spectrum Disorder Associated With Lung Adenocarcinoma: A Case Report. <i>Frontiers in Medicine</i> , 2021, 8, 743798.	2.6	4
7	A meta-analysis of the effectiveness of mud-bath therapy on knee osteoarthritis. <i>Clinica Terapeutica</i> , 2021, 172, 372-387.	0.3	2
8	Reduced Biliverdin Reductase-A Expression in Visceral Adipose Tissue is Associated with Adipocyte Dysfunction and NAFLD in Human Obesity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9091.	4.1	13
9	Green Route for the Isolation and Purification of Hydroxytyrosol, Tyrosol, Oleacein and Oleocanthal from Extra Virgin Olive Oil. <i>Molecules</i> , 2020, 25, 3654.	3.8	13
10	Chemistry and Biochemistry of Sulfur Natural Compounds: Key Intermediates of Metabolism and Redox Biology. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-27.	4.0	52
11	Gender-Related Determinants of Adherence to the Mediterranean Diet in Adults with Ischemic Heart Disease. <i>Nutrients</i> , 2020, 12, 759.	4.1	15
12	One- and Two-Electron Oxidations of I <sup>2</sup> -Amyloid25-35 by Carbonate Radical Anion (CO <sub>3</sub> <sup>•-</sup> ) and Peroxymonocarbonate (HCO <sub>4</sub> <sup>•-</sup> ): Role of Sulfur in Radical Reactions and Peptide Aggregation. <i>Molecules</i> , 2020, 25, 961.	3.8	12
13	Platelet Rich Fibrin (PRF) and Its Related Products: Biomolecular Characterization of the Liquid Fibrinogen. <i>Journal of Clinical Medicine</i> , 2020, 9, 1099.	2.4	21
14	Amino Acids and Hypertension in Adults. <i>Nutrients</i> , 2019, 11, 1459.	4.1	35
15	Thiouracine: From Chemical and Biological Properties to Role in H <sub>2</sub> S Signaling. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1155, 755-771.	1.6	8
16	2,4,6-Trihydroxyphenanthrene, a trans-resveratrol photoreaction byproduct: First evidences of genotoxic risk. <i>Phytochemistry Letters</i> , 2019, 30, 362-366.	1.2	3
17	Reduced biliverdin reductase-A levels are associated with early alterations of insulin signaling in obesity. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1490-1501.	3.8	29
18	The Sex-Specific Detrimental Effect of Diabetes and Gender-Related Factors on Pre-admission Medication Adherence Among Patients Hospitalized for Ischemic Heart Disease: Insights From EVA Study. <i>Frontiers in Endocrinology</i> , 2019, 10, 107.	3.5	6

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19	Efficacy of Spa Therapy, Mud-Pack Therapy, Balneotherapy, and Mud-Bath Therapy in the Management of Knee Osteoarthritis. A Systematic Review. <i>BioMed Research International</i> , 2018, 2018, 1-9.	1.9	48
20	A Proteomic Approach to Study the Effect of Thiotaurine on Human Neutrophil Activation. <i>Advances in Experimental Medicine and Biology</i> , 2017, 975 Pt 1, 563-571.	1.6	5
21	Carbonate Anion Radical Generated by the Peroxidase Activity of Copper-Zinc Superoxide Dismutase: Scavenging of Radical and Protection of Enzyme by Hypotaurine and Cysteine Sulfinic Acid. <i>Advances in Experimental Medicine and Biology</i> , 2017, 975 Pt 1, 551-561.	1.6	4
22	HPLC Determination of Bioactive Sulfur Compounds, Amino Acids and Biogenic Amines in Biological Specimens. <i>Advances in Experimental Medicine and Biology</i> , 2017, 975 Pt 1, 535-549.	1.6	9
23	The Interaction of Hypotaurine and Other Sulfinates with Reactive Oxygen and Nitrogen Species: A Survey of Reaction Mechanisms. <i>Advances in Experimental Medicine and Biology</i> , 2017, 975 Pt 1, 573-583.	1.6	9
24	Bioenergetic Impairment in Animal and Cellular Models of Alzheimer's Disease: PARP-1 Inhibition Rescues Metabolic Dysfunctions. <i>Journal of Alzheimer's Disease</i> , 2016, 54, 307-324.	2.6	62
25	Effects of angiotensin-like protein 3 deficiency on postprandial lipid and lipoprotein metabolism. <i>Journal of Lipid Research</i> , 2016, 57, 1097-1107.	4.2	48
26	TSH levels are associated with vitamin D status and seasonality in an adult population of euthyroid adults. <i>Clinical and Experimental Medicine</i> , 2015, 15, 389-396.	3.6	41
27	Thiotaurine Modulates Human Neutrophil Activation. <i>Advances in Experimental Medicine and Biology</i> , 2015, 803, 145-155.	1.6	3
28	Oxidation of Hypotaurine and Cysteine Sulfinic Acid by Peroxidase-generated Reactive Species. <i>Advances in Experimental Medicine and Biology</i> , 2015, 803, 41-51.	1.6	4
29	Thiotaurine Protects Mouse Cerebellar Granule Neurons from Potassium Deprivation-Induced Apoptosis by Inhibiting the Activation of Caspase-3. <i>Advances in Experimental Medicine and Biology</i> , 2015, 803, 513-523.	1.6	3
30	Prevention and treatment of nephrolithiasis: a review on the role of spa therapy. <i>Clinica Terapeutica</i> , 2015, 166, e344-56.	0.3	0
31	Reactivity of hypotaurine and cysteine sulfinic acid toward carbonate radical anion and nitrogen dioxide as explored by the peroxidase activity of Cu,Zn superoxide dismutase and by pulse radiolysis. <i>Free Radical Research</i> , 2014, 48, 1300-1310.	3.3	12
32	5 $\alpha$ -Cysteinyldopamine neurotoxicity: Influence on the expression of $\alpha$ -synuclein and ERp57 in cellular and animal models of Parkinson's disease. <i>Journal of Neuroscience Research</i> , 2014, 92, 347-358.	2.9	31
33	Effects of hypotaurine on carbonate radical anion and nitrogen dioxide radical generated by peroxidase activity of Cu,Zn-superoxide dismutase. <i>Free Radical Biology and Medicine</i> , 2013, 65, S23-S24.	2.9	2
34	Hypovitaminosis D is Independently Associated with Metabolic Syndrome in Obese Patients. <i>PLoS ONE</i> , 2013, 8, e68689.	2.5	49
35	Thiotaurine Prevents Apoptosis of Human Neutrophils: A Putative Role in Inflammation. <i>Advances in Experimental Medicine and Biology</i> , 2013, 775, 227-236.	1.6	9
36	Clinical researches on the efficacy of spa therapy in fibromyalgia. A systematic review. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2013, 49, 219-29.	0.4	20

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37	Formation of 3-nitrotyrosine by riboflavin photosensitized oxidation of tyrosine in the presence of nitrite. <i>Amino Acids</i> , 2012, 42, 1857-1865.	2.7	11
38	Oxidative and nitrative modifications of enkephalins by human neutrophils: effect of nitroenkephalin on leukocyte functional responses. <i>Amino Acids</i> , 2012, 43, 875-884.	2.7	7
39	A study on the efficacy of treatment with mud packs and baths with Sillene mineral water (Chianciano) Tj ETQq1 1 0.784314 rgBT /Ov 1333-1340.	3.0	40
40	Biological Effects of MC2050, a Quinazoline-Based PARP Inhibitor, in Human Neuroblastoma and EBV-Positive Burkitt's Lymphoma Cells. <i>ChemMedChem</i> , 2011, 6, 606-611.	3.2	12
41	Antioxidant Properties of Aminoethylcysteine Ketimine Decarboxylated Dimer: A Review. <i>International Journal of Molecular Sciences</i> , 2011, 12, 3072-3084.	4.1	12
42	Chlamydia Pneumoniae Induces T Cell Apoptosis through Glutathione Redox Imbalance and Secretion of TNF- $\alpha$ . <i>International Journal of Immunopathology and Pharmacology</i> , 2009, 22, 659-668.	2.1	21
43	The protective effect of hypotaurine and cysteine sulphinic acid on peroxynitrite-mediated oxidative reactions. <i>Free Radical Research</i> , 2008, 42, 320-330.	3.3	19
44	Oxidative and nitrative modifications of enkephalins by reactive nitrogen species. <i>Free Radical Research</i> , 2006, 40, 697-706.	3.3	7
45	The Reactivity of Hypotaurine and Cysteine Sulfinic Acid with Peroxynitrite. , 2006, 583, 15-24.		9
46	Oxidation of hypotaurine and cysteine sulphinic acid by peroxynitrite. <i>Biochemical Journal</i> , 2005, 389, 233-240.	3.7	22
47	Biochemical properties of new synthetic carnosine analogues containing the residue of 2,3-diaminopropionic acid: the effect of N-acetylation. <i>Amino Acids</i> , 2005, 28, 77-83.	2.7	20
48	Antioxidant Properties of Sulfinates: Protective Effect of Hypotaurine on Peroxynitrite-Dependent Damage. <i>Neurochemical Research</i> , 2004, 29, 111-116.	3.3	27
49	Structural elucidation of the oxidation product of aminoethylcysteine ketimine decarboxylated dimer by peroxynitrite. <i>Tetrahedron</i> , 2004, 60, 4151-4157.	1.9	6
50	Hypotaurine and Superoxide Dismutase. <i>Advances in Experimental Medicine and Biology</i> , 2002, 483, 163-168.	1.6	12
51	Prevention of peroxynitrite-dependent damage by carnosine and related sulphonamido pseudodipeptides. <i>Cellular and Molecular Life Sciences</i> , 2002, 59, 546-551.	5.4	67
52	Formation of Nitrotyrosine by Methylene Blue Photosensitized Oxidation of Tyrosine in the Presence of Nitrite. <i>Biochemical and Biophysical Research Communications</i> , 2001, 289, 305-309.	2.1	15
53	Interaction of enkephalins with oxyradicals11Abbreviations: ABAP, 2,2-azobis(2-amidinopropane); dopa, dihydroxyphenyl-alanine; H2O2, hydrogen peroxide; leu-enk, leu-enkephalin; met-enk, met-enkephalin; LOOH, linoleic acid 13-hydroperoxide; NBT, nitro blue tetrazolium; PMS, phenazine methosulfate; ROS, reactive oxygen species; SOD, superoxide dismutase; TBARS, thiobarbituric acid reactive substances. <i>Biochemical Pharmacology</i> , 2001, 61, 1253-1257.	4.4	102
54	Fluorescence Properties of Melanins from Opioid Peptides. <i>Archives of Biochemistry and Biophysics</i> , 1999, 371, 63-69.	3.0	25

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55	Antioxidant activity of aminoethylcysteine ketimine decarboxylated dimer on copper-induced LDL oxidation. IUBMB Life, 1998, 46, 829-837.	3.4	4
56	Antioxidant properties of the decarboxylated dimer of aminoethylcysteine ketimine: Assessment of its ability to scavenge peroxynitrite. Free Radical Research, 1998, 29, 435-440.	3.3	22
57	A specific assay for discriminating between peroxidase and lipoxygenase activities. IUBMB Life, 1997, 42, 163-168.	3.4	3
58	Detection of cystathionine ketimine and lanthionine ketimine in human brain. Neurochemical Research, 1997, 22, 821-824.	3.3	20
59	Simultaneous determination of urinary cystathionine, lanthionine, and their cyclic compounds using liquid chromatography-mass spectrometry with atmospheric pressure chemical ionization. Biomedical Applications, 1997, 698, 301-307.	1.7	20
60	Solubilization of [35S]lanthionine ketimine binding sites from bovine brain. Neurochemistry International, 1996, 28, 169-173.	3.8	7
61	Effect of Cystathionine Ketimine on the Stimulus Coupled Responses of Neutrophils and Their Modulation by Various Protein Kinase Inhibitors. Biochemical and Biophysical Research Communications, 1996, 218, 371-376.	2.1	34
62	Effect of Cystathionine and Cystathionine Metabolites on the Phosphorylation of Tyrosine Residues in Human Neutrophils. Biochemical and Biophysical Research Communications, 1996, 224, 849-854.	2.1	27
63	An insight in the mechanism of the aminoethylcysteine ketimine autoxidation. Amino Acids, 1996, 10, 379-390.	2.7	0
64	In Vitro Reactions of Hypotaurine. Advances in Experimental Medicine and Biology, 1996, 403, 3-8.	1.6	1
65	The oxidation of aminoethylcysteine ketimine dimer by oxygen reactive species. Amino Acids, 1994, 7, 83-88.	2.7	17
66	Aminoethylcysteine Ketimine Decarboxylated Dimer Inhibits Mitochondrial Respiration by Impairing Electron Transport at Complex I Level. Biochemical and Biophysical Research Communications, 1994, 199, 755-760.	2.1	14
67	Aminoethylcysteine Ketimine-Decarboxylated Dimer Protects Submitochondrial Particles from Lipid Peroxidation at a Concentration Not Inhibitory of Electron Transport. Biochemical and Biophysical Research Communications, 1994, 205, 264-268.	2.1	17
68	Possible Relationships between Taurine Derivatives and Products of the Metabolism of Ketimines. Advances in Experimental Medicine and Biology, 1994, 359, 1-7.	1.6	1
69	Reversible cyclization of S-(2-oxo-2-carboxyethyl)-L-homocysteine to cystathionine ketimine. Amino Acids, 1993, 4, 133-140.	2.7	5
70	High performance liquid chromatography of the ketimine forms of aminoethylcysteine, lanthionine and cystathionine after precolumn derivatization with 2,4-dinitrophenylhydrazine. Rendiconti Lincei, 1993, 4, 59-63.	2.2	2
71	Characterization of [35S] Lanthionine Ketimine Specific Binding to Bovine Brain Membranes. Biochemical and Biophysical Research Communications, 1993, 195, 673-678.	2.1	12
72	Sulfur-containing cyclic ketimines and imino acids. A novel family of endogenous products in the search for a role. FEBS Journal, 1991, 202, 217-223.	0.2	56

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73	Sulfur-containing cyclic ketimines and imino acids. , 1991, , 257-263.		0
74	Binding of 35S-lanthionine ketimine to bovine brain membranes. Pharmacological Research, 1990, 22, 428.	7.1	0
75	Displacement of [3H]GABA binding to bovine brain receptors by sulfur-containing analogues. Neurochemistry International, 1990, 17, 547-551.	3.8	6
76	[35S]Lanthionine ketimine binding to bovine brain membranes. Biochemical and Biophysical Research Communications, 1990, 171, 480-486.	2.1	21
77	High-performance liquid chromatography of cystathionine, lanthionine and aminoethylcysteine using o-phthaldialdehyde precolumn derivatization. Biomedical Applications, 1989, 490, 404-410.	1.7	24
78	S-aminoethyl-l-cysteine transaminase from bovine brain: purification to homogeneity and assay of activity in different regions of the brain. Neurochemistry International, 1989, 15, 285-291.	3.8	8
79	Transamination of L-cystathionine and related compounds by a bovine liver enzyme. Possible identification with glutamine transaminase. Biochimica Et Biophysica Acta - General Subjects, 1986, 881, 314-320.	2.4	31