

# Mario Fontana

## List of Publications by Year in descending order

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79  
papers

1,381  
citations

331259

21  
h-index

395343

33  
g-index

83  
all docs

83  
docs citations

83  
times ranked

1831  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of enkephalins with oxyradicals. Abbreviations: ABAP, 2,2-azobis(2-amidinopropane); dopa, dihydroxyphenyl-alanine; H <sub>2</sub> O <sub>2</sub> , 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.	2.0	102
2	Prevention of peroxynitrite-dependent damage by carnosine and related sulphonamido pseudodipeptides. <i>Cellular and Molecular Life Sciences</i> , 2002, 59, 546-551.	2.4	67
3	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.	1.2	62
4	Sulfur-containing cyclic ketimines and imino acids. A novel family of endogenous products in the search for a role. <i>FEBS Journal</i> , 1991, 202, 217-223.	0.2	56
5	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.	1.9	52
6	Hypovitaminosis D is Independently Associated with Metabolic Syndrome in Obese Patients. <i>PLoS ONE</i> , 2013, 8, e68689.	1.1	49
7	Effects of angiotensin-like protein 3 deficiency on postprandial lipid and lipoprotein metabolism. <i>Journal of Lipid Research</i> , 2016, 57, 1097-1107.	2.0	48
8	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.	0.9	48
9	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.	1.9	41
10	A study on the efficacy of treatment with mud packs and baths with Sillene mineral water (Chianciano) Tj ETQq0 0 0 rgBT /Overlock 10 T 1333-1340.	1.5	40
11	Amino Acids and Hypertension in Adults. <i>Nutrients</i> , 2019, 11, 1459.	1.7	35
12	Effect of Cystathionine Ketimine on the Stimulus Coupled Responses of Neutrophils and Their Modulation by Various Protein Kinase Inhibitors. <i>Biochemical and Biophysical Research Communications</i> , 1996, 218, 371-376.	1.0	34
13	Transamination of L-cystathionine and related compounds by a bovine liver enzyme. Possible identification with glutamine transaminase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1986, 881, 314-320.	1.1	31
14	5- $\alpha$ -cysteinyl-dopamine 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.	1.3	31
15	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.	1.8	29
16	Effect of Cystathionine and Cystathionine Metabolites on the Phosphorylation of Tyrosine Residues in Human Neutrophils. <i>Biochemical and Biophysical Research Communications</i> , 1996, 224, 849-854.	1.0	27
17	Antioxidant Properties of Sulfinates: Protective Effect of Hypotaurine on Peroxynitrite-Dependent Damage. <i>Neurochemical Research</i> , 2004, 29, 111-116.	1.6	27
18	Fluorescence Properties of Melanins from Opioid Peptides. <i>Archives of Biochemistry and Biophysics</i> , 1999, 371, 63-69.	1.4	25

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19	High-performance liquid chromatography of cystathionine, lanthionine and aminoethylcysteine using o-phthaldialdehyde precolumn derivatization. <i>Biomedical Applications</i> , 1989, 490, 404-410.	1.7	24
20	Antioxidant properties of the decarboxylated dimer of aminoethylcysteine ketimine: Assessment of its ability to scavenge peroxynitrite. <i>Free Radical Research</i> , 1998, 29, 435-440.	1.5	22
21	Oxidation of hypotaurine and cysteine sulphinic acid by peroxynitrite. <i>Biochemical Journal</i> , 2005, 389, 233-240.	1.7	22
22	[ <sup>35</sup> S]Lanthionine ketimine binding to bovine brain membranes. <i>Biochemical and Biophysical Research Communications</i> , 1990, 171, 480-486.	1.0	21
23	<i>Chlamydia Pneumoniae</i> 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.	1.0	21
24	Platelet Rich Fibrin (PRF) and Its Related Products: Biomolecular Characterization of the Liquid Fibrinogen. <i>Journal of Clinical Medicine</i> , 2020, 9, 1099.	1.0	21
25	Detection of cystathionine ketimine and lanthionine ketimine in human brain. <i>Neurochemical Research</i> , 1997, 22, 821-824.	1.6	20
26	Simultaneous determination of urinary cystathionine, lanthionine, and their cyclic compounds using liquid chromatography-mass spectrometry with atmospheric pressure chemical ionization. <i>Biomedical Applications</i> , 1997, 698, 301-307.	1.7	20
27	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.	1.2	20
28	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.	0.2	20
29	The protective effect of hypotaurine and cysteine sulphinic acid on peroxynitrite-mediated oxidative reactions. <i>Free Radical Research</i> , 2008, 42, 320-330.	1.5	19
30	The oxidation of aminoethylcysteine ketimine dimer by oxygen reactive species. <i>Amino Acids</i> , 1994, 7, 83-88.	1.2	17
31	Aminoethylcysteine Ketimine-Decarboxylated Dimer Protects Submitochondrial Particles from Lipid Peroxidation at a Concentration Not Inhibitory of Electron Transport. <i>Biochemical and Biophysical Research Communications</i> , 1994, 205, 264-268.	1.0	17
32	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.	1.0	15
33	Gender-Related Determinants of Adherence to the Mediterranean Diet in Adults with Ischemic Heart Disease. <i>Nutrients</i> , 2020, 12, 759.	1.7	15
34	Aminoethylcysteine Ketimine Decarboxylated Dimer Inhibits Mitochondrial Respiration by Impairing Electron Transport at Complex I Level. <i>Biochemical and Biophysical Research Communications</i> , 1994, 199, 755-760.	1.0	14
35	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.	1.8	13
36	Green Route for the Isolation and Purification of Hydroxytyrosol, Tyrosol, Oleacein and Oleocanthal from Extra Virgin Olive Oil. <i>Molecules</i> , 2020, 25, 3654.	1.7	13

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37	Characterization of [35S] Lanthionine Ketimine Specific Binding to Bovine Brain Membranes. <i>Biochemical and Biophysical Research Communications</i> , 1993, 195, 673-678.	1.0	12
38	Hypotaurine and Superoxide Dismutase. <i>Advances in Experimental Medicine and Biology</i> , 2002, 483, 163-168.	0.8	12
39	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.	1.6	12
40	Antioxidant Properties of Aminoethylcysteine Ketimine Decarboxylated Dimer: A Review. <i>International Journal of Molecular Sciences</i> , 2011, 12, 3072-3084.	1.8	12
41	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.	1.5	12
42	One- and Two-Electron Oxidations of $\beta$ -Amyloid <sub>25-35</sub> by Carbonate Radical Anion ( $\text{CO}_3^{\cdot-}$ ) and Peroxymonocarbonate ( $\text{HCO}_4^{\cdot-}$ ): Role of Sulfur in Radical Reactions and Peptide Aggregation. <i>Molecules</i> , 2020, 25, 961.	1.7	12
43	Formation of 3-nitrotyrosine by riboflavin photosensitized oxidation of tyrosine in the presence of nitrite. <i>Amino Acids</i> , 2012, 42, 1857-1865.	1.2	11
44	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.	0.8	9
45	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.	0.8	9
46	The Reactivity of Hypotaurine and Cysteine Sulfinic Acid with Peroxynitrite. , 2006, 583, 15-24.		9
47	Thiotaurine Prevents Apoptosis of Human Neutrophils: A Putative Role in Inflammation. <i>Advances in Experimental Medicine and Biology</i> , 2013, 775, 227-236.	0.8	9
48	S-aminoethyl-l-cysteine transaminase from bovine brain: purification to homogeneity and assay of activity in different regions of the brain. <i>Neurochemistry International</i> , 1989, 15, 285-291.	1.9	8
49	Thiotaurine: 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.	0.8	8
50	Solubilization of [35S]lanthionine ketimine binding sites from bovine brain. <i>Neurochemistry International</i> , 1996, 28, 169-173.	1.9	7
51	Oxidative and nitrative modifications of enkephalins by reactive nitrogen species. <i>Free Radical Research</i> , 2006, 40, 697-706.	1.5	7
52	Oxidative and nitrative modifications of enkephalins by human neutrophils: effect of nitroenkephalin on leukocyte functional responses. <i>Amino Acids</i> , 2012, 43, 875-884.	1.2	7
53	Phemelanin Effect on UVB Radiation-Induced Oxidation/Nitration of l-Tyrosine. <i>International Journal of Molecular Sciences</i> , 2022, 23, 267.	1.8	7
54	Displacement of [3H]GABA binding to bovine brain receptors by sulfur-containing analogues. <i>Neurochemistry International</i> , 1990, 17, 547-551.	1.9	6

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55	Structural elucidation of the oxidation product of aminoethylcysteine ketimine decarboxylated dimer by peroxyxynitrite. <i>Tetrahedron</i> , 2004, 60, 4151-4157.	1.0	6
56	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.	1.5	6
57	Reversible cyclization of S-(2-oxo-2-carboxyethyl)-L-homocysteine to cystathionine ketimine. <i>Amino Acids</i> , 1993, 4, 133-140.	1.2	5
58	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.	0.8	5
59	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.	1.7	5
60	Antioxidant activity of aminoethylcysteine ketimine decarboxylated dimer on copper-induced LDL oxidation. <i>IUBMB Life</i> , 1998, 46, 829-837.	1.5	4
61	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.	0.8	4
62	Fluorometric Optimized Determination of Total Glutathione in Erythrocytes. <i>Separations</i> , 2021, 8, 83.	1.1	4
63	Pharmacokinetic properties of a novel formulation of S-adenosyl-L-methionine phytate. <i>Amino Acids</i> , 2021, 53, 1559-1568.	1.2	4
64	Oxidation of Hypotaurine and Cysteine Sulfinic Acid by Peroxidase-generated Reactive Species. <i>Advances in Experimental Medicine and Biology</i> , 2015, 803, 41-51.	0.8	4
65	Paraneoplastic Neuromyelitis Optica Spectrum Disorder Associated With Lung Adenocarcinoma: A Case Report. <i>Frontiers in Medicine</i> , 2021, 8, 743798.	1.2	4
66	A specific assay for discriminating between peroxidase and lipoxygenase activities. <i>IUBMB Life</i> , 1997, 42, 163-168.	1.5	3
67	2,4,6-Trihydroxyphenanthrene, a trans-resveratrol photoreaction byproduct: First evidences of genotoxic risk. <i>Phytochemistry Letters</i> , 2019, 30, 362-366.	0.6	3
68	Thiotaurine Modulates Human Neutrophil Activation. <i>Advances in Experimental Medicine and Biology</i> , 2015, 803, 145-155.	0.8	3
69	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.	0.8	3
70	High performance liquid chromatography of the ketimine forms of aminoethylcysteine, lanthionine and cystathionine after precolumn derivatization with 2,4-dinitrophenylhydrazine. <i>Rendiconti Lincei</i> , 1993, 4, 59-63.	1.0	2
71	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.	1.3	2
72	A meta-analysis of the effectiveness of mud-bath therapy on knee osteoarthritis. <i>Clinica Terapeutica</i> , 2021, 172, 372-387.	0.2	2

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73	In Vitro Reactions of Hypotaurine. <i>Advances in Experimental Medicine and Biology</i> , 1996, 403, 3-8.	0.8	1
74	Possible Relationships between Taurine Derivatives and Products of the Metabolism of Ketimines. <i>Advances in Experimental Medicine and Biology</i> , 1994, 359, 1-7.	0.8	1
75	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.	1.1	1
76	Binding of 35S-lanthionine ketimine to bovine brain membranes. <i>Pharmacological Research</i> , 1990, 22, 428.	3.1	0
77	An insight in the mechanism of the aminoethylcysteine ketimine autoxidation. <i>Amino Acids</i> , 1996, 10, 379-390.	1.2	0
78	Sulfur-containing cyclic ketimines and imino acids. , 1991, , 257-263.		0
79	Prevention and treatment of nephrolithiasis: a review on the role of spa therapy. <i>Clinica Terapeutica</i> , 2015, 166, e344-56.	0.2	0