

# Federico Maria Rubino

## List of Publications by Year in descending order

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72  
papers

1,751  
citations

331670

21  
h-index

289244

40  
g-index

75  
all docs

75  
docs citations

75  
times ranked

2648  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exposure and risk profiles: From field studies to typical exposure and risk scenarios. , 2021, , 199-224.		0
2	Definition and establishment of biological exposure limits of pesticides for the interpretation of biological monitoring data. , 2021, , 225-243.		0
3	The Redox Potential of the $\hat{I}^2$ -93-Cysteine Thiol Group in Human Hemoglobin Estimated from In Vitro Oxidant Challenge Experiments. <i>Molecules</i> , 2021, 26, 2528.	3.8	8
4	High-Throughput Griess Assay of Nitrite and Nitrate in Plasma and Red Blood Cells for Human Physiology Studies under Extreme Conditions. <i>Molecules</i> , 2021, 26, 4569.	3.8	9
5	Differential Redox State and Iron Regulation in Chronic Obstructive Pulmonary Disease, Acute Respiratory Distress Syndrome and Coronavirus Disease 2019. <i>Antioxidants</i> , 2021, 10, 1460.	5.1	15
6	Center-of-Mass iso-Energetic Collision-Induced Decomposition in Tandem Triple Quadrupole Mass Spectrometry. <i>Molecules</i> , 2020, 25, 2250.	3.8	4
7	Establishing health-based biological exposure limits for pesticides: A proof of principle study using mancozeb. <i>Regulatory Toxicology and Pharmacology</i> , 2020, 115, 104689.	2.7	13
8	Discovery of Unexpected Sphingolipids in Almonds and Pistachios with an Innovative Use of Triple Quadrupole Tandem Mass Spectrometry. <i>Foods</i> , 2020, 9, 110.	4.3	5
9	LC-MS/MS-Based Profiling of Tryptophan-Related Metabolites in Healthy Plant Foods. <i>Molecules</i> , 2020, 25, 311.	3.8	19
10	Unambiguous Characterization of p-Cresyl Sulfate, a Protein-Bound Uremic Toxin, as Biomarker of Heart and Kidney Disease. <i>Molecules</i> , 2019, 24, 3704.	3.8	6
11	Oxidative Stress Markers to Investigate the Effects of Hyperoxia in Anesthesia. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5492.	4.1	27
12	Antineoplastic drug occupational exposure: a new integrated approach to evaluate exposure and early genotoxic and cytotoxic effects by no-invasive Buccal Micronucleus Cytome Assay biomarker. <i>Toxicology Letters</i> , 2019, 316, 20-26.	0.8	9
13	Exposure duration and absorbed dose assessment in pesticide-exposed agricultural workers: Implications for risk assessment and modeling. <i>International Journal of Hygiene and Environmental Health</i> , 2019, 222, 494-502.	4.3	22
14	Bioactive phytochemicals of tree nuts. Determination of the melatonin and sphingolipid content in almonds and pistachios. <i>Journal of Food Composition and Analysis</i> , 2019, 82, 103227.	3.9	25
15	Assessment of penconazole exposure in winegrowers using urinary biomarkers. <i>Environmental Research</i> , 2019, 168, 54-61.	7.5	23
16	Environmental and biological monitoring for the identification of main exposure determinants in vineyard mancozeb applicators. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2018, 28, 289-296.	3.9	20
17	Determination of the serine palmitoyl transferase inhibitor myriocin by electrospray and Q&Etrap mass spectrometry. <i>Biomedical Chromatography</i> , 2017, 31, e4026.	1.7	7
18	Glutathionyl-hemoglobin levels in carotid endarterectomy: a pilot study on 12 cases clinically uneventful. <i>Journal of Cardiovascular Surgery</i> , 2017, 58, 65-71.	0.6	4

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19	Enhanced brain release of erythropoietin, cytokines and NO during carotid clamping. <i>Neurological Sciences</i> , 2016, 37, 243-252.	1.9	12
20	Health risks in international container and bulk cargo transport due to volatile toxic compounds. <i>Journal of Occupational Medicine and Toxicology</i> , 2015, 10, 19.	2.2	30
21	Toxicity of Glutathione-Binding Metals: A Review of Targets and Mechanisms. <i>Toxics</i> , 2015, 3, 20-62.	3.7	113
22	Dermal exposure and risk assessment of tebuconazole applicators in vineyards. <i>Medicina Del Lavoro</i> , 2015, 106, 294-315.	0.4	11
23	Exposure to priority organochlorine contaminants in the Italian general population. Part 2. <i>Human and Experimental Toxicology</i> , 2014, 33, 170-184.	2.2	7
24	Biological monitoring of exposure to tebuconazole in winegrowers. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2014, 24, 643-649.	3.9	43
25	Exposure to priority organochlorine contaminants in the Italian general population. Part 1. Eight priority organochlorinated pesticides in blood serum. <i>Human and Experimental Toxicology</i> , 2013, 32, 1323-1339.	2.2	21
26	Persistent organochlorinated pesticides and mechanisms of their toxicity. <i>Toxicology</i> , 2013, 307, 74-88.	4.2	351
27	Measurement of Glutathionylated Haemoglobin by MAL-DI-ToF Mass Spectrometry as a Biomarker of Oxidative Stress in Heavy Smokers and in Occupational Obese Subjects. <i>International Journal of Analytical Mass Spectrometry and Chromatography</i> , 2013, 01, 22-30.	0.7	5
28	Integration of biological monitoring, environmental monitoring and computational modelling into the interpretation of pesticide exposure data: Introduction to a proposed approach. <i>Toxicology Letters</i> , 2012, 213, 49-56.	0.8	23
29	Farmers' exposure to herbicides in North Italy: Assessment under real-life conditions in small-size rice and corn farms. <i>Toxicology Letters</i> , 2012, 210, 189-197.	0.8	37
30	Food choice of Eurasian red squirrels and concentrations of anti-predatory secondary compounds. <i>Mammalian Biology</i> , 2012, 77, 332-338.	1.5	16
31	Measurement of S-methylcysteine and S-methylmercapturic acid in human urine by alkylchloroformate extractive derivatization and isotope dilution gas chromatography-mass spectrometry. <i>Biomedical Chromatography</i> , 2011, 25, 330-343.	1.7	10
32	Use of total reflection X-ray fluorescence (TXRF) for the evaluation of heavy metal poisoning due to the improper use of a traditional ayurvedic drug. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 52, 787-790.	2.8	42
33	Toward an omic-physiopathology of reactive chemicals: Thirty years of mass spectrometric study of the protein adducts with endogenous and xenobiotic compounds. <i>Mass Spectrometry Reviews</i> , 2009, 28, 725-784.	5.4	105
34	Thiol-disulfide redox equilibria of glutathione metaboloma compounds investigated by tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 3935-3948.	1.5	11
35	Preparation and validation of exposure and risk profiles for pesticide use in greenhouses. <i>Toxicology Letters</i> , 2008, 180, S26.	0.8	5
36	Aluminum determination in biological fluids and dialysis concentrates via chelation with 8-hydroxyquinoline and solvent extraction/fluorimetry. <i>Analytical Biochemistry</i> , 2006, 353, 63-68.	2.4	55

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37	Electrospray ionization and triple quadrupole tandem mass spectrometry study of some biologically relevant homo- and heterodimeric cadmium thiolate conjugates. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 1443-1455.	2.8	4
38	Assay of urinary $\beta$ -fluoro- $\beta$ -alanine by gas chromatography-mass spectrometry for the biological monitoring of occupational exposure to 5-fluorouracil in oncology nurses and pharmacy technicians. <i>Biomedical Chromatography</i> , 2006, 20, 257-266.	1.7	17
39	Polyurethane foam chips combined with liquid chromatography in the determination of unmetabolized polycyclic aromatic hydrocarbons excreted in human urine. <i>Biomedical Chromatography</i> , 2006, 20, 971-978.	1.7	17
40	A study of the glutathione metaboloma peptides by energy-resolved mass spectrometry as a tool to investigate into the interference of toxic heavy metals with their metabolic processes. <i>Journal of Mass Spectrometry</i> , 2006, 41, 1578-1593.	1.6	33
41	Evaluation of genotoxic effects induced by exposure to antineoplastic drugs in lymphocytes and exfoliated buccal cells of oncology nurses and pharmacy employees. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2005, 587, 45-51.	1.7	101
42	Volatile organic compounds produced during the aerobic biological processing of municipal solid waste in a pilot plant. <i>Chemosphere</i> , 2005, 59, 423-430.	8.2	82
43	Characterization of the disulfides of bio-thiols by electrospray ionization and triple-quadrupole tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2004, 39, 1408-1416.	1.6	25
44	Molecular characterization of homo- and heterodimeric mercury(II)-bis-thiolates of some biologically relevant thiols by electrospray ionization and triple quadrupole tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2004, 15, 288-300.	2.8	41
45	Separation methods for methotrexate, its structural analogues and metabolites. <i>Biomedical Applications</i> , 2001, 764, 217-254.	1.7	71
46	High-performance liquid chromatography of methotrexate for environmental monitoring of surface contamination in hospital departments and assessment of occupational exposure. <i>Biomedical Applications</i> , 1999, 726, 95-103.	1.7	26
47	Measurement of surface contamination from nucleoside analogue antineoplastic drugs by high-performance liquid chromatography in occupational hygiene studies of oncologic hospital departments. <i>Biomedical Applications</i> , 1999, 724, 325-334.	1.7	19
48	Height profile of some air quality markers in the urban atmosphere surrounding a 100m tower building. <i>Atmospheric Environment</i> , 1998, 32, 3569-3580.	4.1	31
49	Characterization of a complex mixture of ceramides by fast atom bombardment and precursor and fragment analysis tandem mass spectrometry. <i>Biological Mass Spectrometry</i> , 1994, 23, 82-90.	0.5	17
50	A study on the solution and gas-phase chemistry of Mn(III) and Fe(III) tetraarylporphyrin complexes by fast-atom bombardment mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1993, 4, 249-254.	2.8	7
51	A study on the solution and gas-phase chemistry of Mn(III) and Fe(III) tetraarylporphyrin complexes by fast-atom bombardment mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1993, 4, 255-258.	2.8	5
52	Mn(III) bis-porphyrins as catalysts in H <sub>2</sub> O <sub>2</sub> alkene epoxidations in the presence of a lipophilic bidentate imidazole ligand. <i>Rendiconti Lincei</i> , 1993, 4, 207-212.	2.2	4
53	HB Abruzzo [ <sup>143</sup> H21]HIS <sup>+</sup> ARG] Identified by Mass Spectrometry and DNA Analysis. <i>Hemoglobin</i> , 1993, 17, 261-268.	0.8	9
54	A Computer Program for the Prediction of Fragmentation in the Fast Atom Bombardment Mass Spectra of Peptides. <i>Spectroscopy Letters</i> , 1992, 25, 811-820.	1.0	0

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55	Application of triple quadrupole tandem mass spectrometry to the analysis of pyridine-containing derivatives of long-chain acids and alcohols. <i>Biomedical Applications</i> , 1992, 579, 1-12.	1.7	9
56	Changes of the human liver GM3 ganglioside molecular species during aging. <i>FEBS Journal</i> , 1992, 203, 107-113.	0.2	29
57	Characterization of putative neurotransmitter N-acetyl-aspartyl-glutamic acid and some related compounds by fast atom bombardment and tandem mass spectrometry. <i>Biological Mass Spectrometry</i> , 1992, 21, 85-91.	0.5	0
58	Molecular characterization of diclofenac and its hydroxylated metabolites by tandem mass spectrometry. <i>Biological Mass Spectrometry</i> , 1992, 21, 109-113.	0.5	1
59	A structural study on elcatonin, a novel synthetic analogue of eel calcitonin, by fast atom bombardment and tandem mass spectrometry. <i>Biological Mass Spectrometry</i> , 1992, 21, 144-150.	0.5	2
60	Fast atom bombardment and tandem mass spectrometry at high and low collision energy for the sequence analysis of low to middle-mass peptides. <i>Biological Mass Spectrometry</i> , 1992, 21, 451-462.	0.5	1
61	Electron impact fragmentation of pyranocoumarin derivatives. Tandem mass spectrometric study of abundant singly and doubly charged fragment ions at high and low collision energy. <i>Organic Mass Spectrometry</i> , 1992, 27, 597-603.	1.3	3
62	Triple quadrupole tandem mass spectrometric study of the 3-picolinyl esters of fatty acids. <i>Organic Mass Spectrometry</i> , 1992, 27, 1240-1247.	1.3	2
63	Characterization of sphingosine long-chain bases by fast atom bombardment and high-energy collision-induced decomposition tandem mass spectrometry. <i>Organic Mass Spectrometry</i> , 1992, 27, 1357-1364.	1.3	7
64	Structural study of Mn(III)-tetraarylporphyrin complexes by fast atom bombardment mass spectrometry. <i>Organic Mass Spectrometry</i> , 1991, 26, 161-166.	1.3	14
65	A study of some imidazo[1,5-a]benzodiazepin-6-ones by electron impact mass spectrometry. characterization by tandem mass spectrometry of a distonic fragment ion. <i>Organic Mass Spectrometry</i> , 1991, 26, 636-644.	1.3	2
66	Caesium fluoride as a mass calibrant in fast atom bombardment mass spectrometry. <i>Organic Mass Spectrometry</i> , 1991, 26, 718-720.	1.3	4
67	Retrosynthetic fragmentation in the fast atom bombardment mass spectra of eserine and some related compounds. <i>Organic Mass Spectrometry</i> , 1991, 26, 961-966.	1.3	6
68	Fast atom bombardment mass spectrometry of carbobenzyloxy-protected amino acids and peptides. <i>Organic Mass Spectrometry</i> , 1989, 24, 225-229.	1.3	23
69	Electron impact mass spectrometry of substituted 1,3,8-triazaspiro[4,5]decan-4-ones. <i>Biomedical &amp; Environmental Mass Spectrometry</i> , 1989, 18, 1000-1004.	1.6	1
70	Silylaldonitrile derivatives for the determination of sugars by gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 1989, 473, 125-133.	3.7	8
71	Pre-column derivatization of amino acids with N,N-diethyl-2,4-dinitro-5-fluoroaniline and reversed-phase liquid chromatographic separation. <i>Biomedical Applications</i> , 1988, 433, 53-62.	1.7	12
72	FD and FAB mass spectra of some oligopeptides of the tryptophyllin family. <i>Biomedical &amp; Environmental Mass Spectrometry</i> , 1987, 14, 487-493.	1.6	4