Federico Maria Rubino

List of Publications by Year
in descending order

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72	1,751	331670 21	289244 40
papers	citations	h-index	g-index

75	75	75	2648
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Persistent organochlorinated pesticides and mechanisms of their toxicity. Toxicology, 2013, 307, 74-88.	4.2	351
2	Toxicity of Glutathione-Binding Metals: A Review of Targets and Mechanisms. Toxics, 2015, 3, 20-62.	3.7	113
3	Toward an â€œomicâ€•physiopathology of reactive chemicals: Thirty years of mass spectrometric study of the protein adducts with endogenous and xenobiotic compounds. Mass Spectrometry Reviews, 2009, 28, 725-784.	5.4	105
4	Evaluation of genotoxic effects induced by exposure to antineoplastic drugs in lymphocytes and exfoliated buccal cells of oncology nurses and pharmacy employees. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2005, 587, 45-51.	1.7	101
5	Volatile organic compounds produced during the aerobic biological processing of municipal solid waste in a pilot plant. Chemosphere, 2005, 59, 423-430.	8.2	82
6	Separation methods for methotrexate, its structural analogues and metabolites. Biomedical Applications, 2001, 764, 217-254.	1.7	71
7	Aluminum determination in biological fluids and dialysis concentrates via chelation with 8-hydroxyquinoline and solvent extraction/fluorimetry. Analytical Biochemistry, 2006, 353, 63-68.	2.4	55
8	Biological monitoring of exposure to tebuconazole in winegrowers. Journal of Exposure Science and Environmental Epidemiology, 2014, 24, 643-649.	3.9	43
9	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. Journal of Pharmaceutical and Biomedical Analysis, 2010, 52, 787-790.	2.8	42
10	Molecular characterization of homo- and heterodimeric mercury(II)-bis-thiolates of some biologically relevant thiols by electrospray ionization and triple quadrupole tandem mass spectrometry. Journal of the American Society for Mass Spectrometry, 2004, 15, 288-300.	2.8	41
11	Farmersâ€™ exposure to herbicides in North Italy: Assessment under real-life conditions in small-size rice and corn farms. Toxicology Letters, 2012, 210, 189-197.	0.8	37
12	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. Journal of Mass Spectrometry, 2006, 41, 1578-1593.	1.6	33
13	Height profile of some air quality markers in the urban atmosphere surrounding a 100m tower building. Atmospheric Environment, 1998, 32, 3569-3580.	4.1	31
14	Health risks in international container and bulk cargo transport due to volatile toxic compounds. Journal of Occupational Medicine and Toxicology, 2015, 10, 19.	2.2	30
15	Changes of the human liver GM3 ganglioside molecular species during aging. FEBS Journal, 1992, 203, 107-113.	0.2	29
16	Oxidative Stress Markers to Investigate the Effects of Hyperoxia in Anesthesia. International Journal of Molecular Sciences, 2019, 20, 5492.	4.1	27
17	High-performance liquid chromatography of methotrexate for environmental monitoring of surface contamination in hospital departments and assessment of occupational exposure. Biomedical Applications, 1999, 726, 95-103.	1.7	26
18	Characterization of the disulfides of bio-thiols by electrospray ionization and triple-quadrupole tandem mass spectrometry. Journal of Mass Spectrometry, 2004, 39, 1408-1416.	1.6	25

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19	Bioactive phytochemicals of tree nuts. Determination of the melatonin and sphingolipid content in almonds and pistachios. Journal of Food Composition and Analysis, 2019, 82, 103227.	3.9	25
20	Fast atom bombardment mass spectrometry of carbobenzyloxy-protected amino acids and peptides. Organic Mass Spectrometry, 1989, 24, 225-229.	1.3	23
21	Integration of biological monitoring, environmental monitoring and computational modelling into the interpretation of pesticide exposure data: Introduction to a proposed approach. Toxicology Letters, 2012, 213, 49-56.	0.8	23
22	Assessment of penconazole exposure in winegrowers using urinary biomarkers. Environmental Research, 2019, 168, 54-61.	7.5	23
23	Exposure duration and absorbed dose assessment in pesticide-exposed agricultural workers: Implications for risk assessment and modeling. International Journal of Hygiene and Environmental Health, 2019, 222, 494-502.	4.3	22
24	Exposure to priority organochlorine contaminants in the Italian general population. Part 1. Eight priority organochlorinated pesticides in blood serum. Human and Experimental Toxicology, 2013, 32, 1323-1339.	2.2	21
25	Environmental and biological monitoring for the identification of main exposure determinants in vineyard mancozeb applicators. Journal of Exposure Science and Environmental Epidemiology, 2018, 28, 289-296.	3.9	20
26	Measurement of surface contamination from nucleoside analogue antineoplastic drugs by high-performance liquid chromatography in occupational hygiene studies of oncologic hospital departments. Biomedical Applications, 1999, 724, 325-334.	1.7	19
27	LC-MS/MS-Based Profiling of Tryptophan-Related Metabolites in Healthy Plant Foods. Molecules, 2020, 25, 311.	3.8	19
28	Characterization of a complex mixture of ceramides by fast atom bombardment and precursor and fragment analysis tandem mass spectrometry. Biological Mass Spectrometry, 1994, 23, 82-90.	0.5	17
29	Assay of urinaryÎ±-fluoro-Î²-alanine by gas chromatographyâ€“mass spectrometry for the biological monitoring of occupational exposure to 5-fluorouracil in oncology nurses and pharmacy technicians. Biomedical Chromatography, 2006, 20, 257-266.	1.7	17
30	Polyurethane foam chips combined with liquid chromatography in the determination of unmetabolized polycyclic aromatic hydrocarbons excreted in human urine. Biomedical Chromatography, 2006, 20, 971-978.	1.7	17
31	Food choice of Eurasian red squirrels and concentrations of anti-predatory secondary compounds. Mammalian Biology, 2012, 77, 332-338.	1.5	16
32	Differential Redox State and Iron Regulation in Chronic Obstructive Pulmonary Disease, Acute Respiratory Distress Syndrome and Coronavirus Disease 2019. Antioxidants, 2021, 10, 1460.	5.1	15
33	Structural study of Mn(III)-tetraarylporphyrin complexes by fast atom bombardment mass spectrometry. Organic Mass Spectrometry, 1991, 26, 161-166.	1.3	14
34	Establishing health-based biological exposure limits for pesticides: A proof of principle study using mancozeb. Regulatory Toxicology and Pharmacology, 2020, 115, 104689.	2.7	13
35	Pre-column derivatization of amino acids with N,N-diethyl-2,4-dinitro-5-fluoroaniline and reversed-phase liquid chromatographic separation. Biomedical Applications, 1988, 433, 53-62.	1.7	12
36	Enhanced brain release of erythropoietin, cytokines and NO during carotid clamping. Neurological Sciences, 2016, 37, 243-252.	1.9	12

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37	Thiolâ€disulfide redox equilibria of glutathione metaboloma compounds investigated by tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 3935-3948.	1.5	11
38	Dermal exposure and risk assessment of tebuconazole applicators in vineyards. Medicina Del Lavoro, 2015, 106, 294-315.	0.4	11
39	Measurement of Sâ€methylcysteine and Sâ€methylâ€mercapturic acid in human urine by alkylâ€chloroformate extractive derivatization and isotopeâ€dilution gas chromatographyâ€“mass spectrometry. Biomedical Chromatography, 2011, 25, 330-343.	1.7	10
40	Application of triple quadrupole tandem mass spectrometry to the analysis of pyridine-containing derivatives of long-chain acids and alcohols. Biomedical Applications, 1992, 579, 1-12.	1.7	9
41	HB Abruzzo [Î²143(H21)HISâ†'ARG] Identified by Mass Spectrometry and DNA Analysis. Hemoglobin, 1993, 17, 261-268.	0.8	9
42	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. Toxicology Letters, 2019, 316, 20-26.	0.8	9
43	High-Throughput Griess Assay of Nitrite and Nitrate in Plasma and Red Blood Cells for Human Physiology Studies under Extreme Conditions. Molecules, 2021, 26, 4569.	3.8	9
44	Silylaldonitrile derivatives for the determination of sugars by gas chromatographyâ€"mass spectrometry. Journal of Chromatography A, 1989, 473, 125-133.	3.7	8
45	The Redox Potential of the Î²-93-Cysteine Thiol Group in Human Hemoglobin Estimated from In Vitro Oxidant Challenge Experiments. Molecules, 2021, 26, 2528.	3.8	8
46	Characterization of sphingosine long-chain bases by fast atom bombardment and high-energy collision-induced decomposition tandem mass spectrometry. Organic Mass Spectrometry, 1992, 27, 1357-1364.	1.3	7
47	A study on the solution and gas-phase chemistry of Mn(III) and Fe(III) tetraarylporphyrin complexes by fast-atom bombardment mass spectrometry. Journal of the American Society for Mass Spectrometry, 1993, 4, 249-254.	2.8	7
48	Exposure to priority organochlorine contaminants in the Italian general population. Part 2. Human and Experimental Toxicology, 2014, 33, 170-184.	2.2	7
49	Determination of the serine palmitoyl transferase inhibitor myriocin by electrospray and Qâ€trap mass spectrometry. Biomedical Chromatography, 2017, 31, e4026.	1.7	7
50	Retrosynthetic fragmentation in the fast atom bombardment mass spectra of eserine and some related compounds. Organic Mass Spectrometry, 1991, 26, 961-966.	1.3	6
51	Unambiguous Characterization of p-Cresyl Sulfate, a Protein-Bound Uremic Toxin, as Biomarker of Heart and Kidney Disease. Molecules, 2019, 24, 3704.	3.8	6
52	A study on the solution and gas-phase chemistry of Mn(III) and Fe(III) tetraarylporphyrin complexes by fast-atom bombardment mass spectrometry. Journal of the American Society for Mass Spectrometry, 1993, 4, 255-258.	2.8	5
53	Preparation and validation of exposure and risk profiles for pesticide use in greenhouses. Toxicology Letters, 2008, 180, S26.	0.8	5
54	Discovery of Unexpected Sphingolipids in Almonds and Pistachios with an Innovative Use of Triple Quadrupole Tandem Mass Spectrometry. Foods, 2020, 9, 110.	4.3	5

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55	Measurement of Glutathionylated Haemoglobin by MAL-DI-ToF Mass Spectrometry as a Biomarker of Oxidative Stress in Heavy Smokers and in Occupational Obese Subjects. International Journal of Analytical Mass Spectrometry and Chromatography, 2013, 01, 22-30.	0.7	5
56	FD and FAB mass spectra of some oligopeptides of the tryptophyllin family. Biomedical & Environmental Mass Spectrometry, 1987, 14, 487-493.	1.6	4
57	Caesium fluoride as a mass calibrant in fast atom bombardment mass spectrometry. Organic Mass Spectrometry, 1991, 26, 718-720.	1.3	4
58	Mn(III) bis-porphyrins as catalysts in H2O2 alkene epoxidations in the presence of a lipophilic bidentate imidazole ligand. Rendiconti Lincei, 1993, 4, 207-212.	2.2	4
59	Electrospray ionization and triple quadrupole tandem mass spectrometry study of some biologically relevant homo- and heterodimeric cadmium thiolate conjugates. Journal of the American Society for Mass Spectrometry, 2006, 17, 1443-1455.	2.8	4
60	Glutathionyl-hemoglobin levels in carotid endarterectomy: a pilot study on 12 cases clinically uneventful. Journal of Cardiovascular Surgery, 2017, 58, 65-71.	0.6	4
61	Center-of-Mass iso-Energetic Collision-Induced Decomposition in Tandem Triple Quadrupole Mass Spectrometry. Molecules, 2020, 25, 2250.	3.8	4
62	Electron impact fragmentation of pyranocoumarin derivatives. Tandem mass spectrometric study of abundant singly and doubly charged fragment ions at high and low collision energy. Organic Mass Spectrometry, 1992, 27, 597-603.	1.3	3
63	A study of some imidazo[l,5-a]benzodiazepin-6-ones by electron impact mass spectrometry. characterization by tandem mass spectrometry of a distonic fragment ion. Organic Mass Spectrometry, 1991, 26, 636-644.	1.3	2
64	A structural study on elcatonin, a novel synthetic analogue of eel calcitonin, by fast atom bombardment and tandem mass spectrometry. Biological Mass Spectrometry, 1992, 21, 144-150.	0.5	2
65	Triple quadrupole tandem mass spectrometric study of the 3-picolinyl esters of fatty acids. Organic Mass Spectrometry, 1992, 27, 1240-1247.	1.3	2
66	Electron impact mass spectrometry of substituted 1,3,8-triazaspiro[4,5]decan-4-ones. Biomedical & Environmental Mass Spectrometry, 1989, 18, 1000-1004.	1.6	1
67	Molecular characterization of diclofenac and its hydroxylated metabolites by tandem mass spectrometry. Biological Mass Spectrometry, 1992, 21, 109-113.	0.5	1
68	Fast atom bombardment and tandem mass spectrometry at high and low collision energy for the sequence analysis of low to middle-mass peptides. Biological Mass Spectrometry, 1992, 21, 451-462.	0.5	1
69	A Computer Program for the Prediction of Fragmentation in the Fast Atom Bombardment Mass Spectra of Peptides. Spectroscopy Letters, 1992, 25, 811-820.	1.0	0
70	Characterization of putative neurotransmitterN-acetyl-aspartyl-glutamic acid and some related compounds by fast atom bombardment and tandem mass spectrometry. Biological Mass Spectrometry, 1992, 21, 85-91.	0.5	0
71	Exposure and risk profiles: From field studies to typical exposure and risk scenarios. , 2021, , 199-224.		0
72	Definition and establishment of biological exposure limits of pesticides for the interpretation of biological monitoring data. , 2021, , 225-243.		0