

# Marina Carini

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8812085/publications.pdf>

Version: 2024-02-01

133  
papers

6,892  
citations

53660

45  
h-index

66788

78  
g-index

136  
all docs

136  
docs citations

136  
times ranked

8543  
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein carbonylation, cellular dysfunction, and disease progression. <i>Journal of Cellular and Molecular Medicine</i> , 2006, 10, 389-406.	1.6	691
2	N-Acetylcysteine as an antioxidant and disulphide breaking agent: the reasons why. <i>Free Radical Research</i> , 2018, 52, 751-762.	1.5	479
3	Protein Carbonylation. <i>Antioxidants and Redox Signaling</i> , 2010, 12, 323-325.	2.5	311
4	Intervention strategies to inhibit protein carbonylation by lipoxidation-derived reactive carbonyls. <i>Medicinal Research Reviews</i> , 2007, 27, 817-868.	5.0	256
5	Carnosine and related dipeptides as quenchers of reactive carbonyl species: From structural studies to therapeutic perspectives. <i>BioFactors</i> , 2005, 24, 77-87.	2.6	178
6	Mass spectrometry for detection of 4-hydroxy-trans-2-nonenal (HNE) adducts with peptides and proteins. <i>Mass Spectrometry Reviews</i> , 2004, 23, 281-305.	2.8	168
7	The carbonyl scavenger carnosine ameliorates dyslipidaemia and renal function in Zucker obese rats. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 1339-1354.	1.6	159
8	Carnosine is a quencher of 4-hydroxy-nonenal: through what mechanism of reaction?. <i>Biochemical and Biophysical Research Communications</i> , 2002, 298, 699-706.	1.0	151
9	Anti-Elastase and Anti-Hyaluronidase Activities of Saponins and Sapogenins from <i>Hedera helix</i> , <i>Aesculus hippocastanum</i> , and <i>Ruscus aculeatus</i> : Factors Contributing to their Efficacy in the Treatment of Venous Insufficiency. <i>Archiv Der Pharmazie</i> , 1995, 328, 720-724.	2.1	138
10	Procyanidins from grape seeds protect endothelial cells from peroxynitrite damage and enhance endothelium-dependent relaxation in human artery: new evidences for cardio-protection. <i>Life Sciences</i> , 2003, 73, 2883-2898.	2.0	130
11	S-Nitrosation versus S-Glutathionylation of Protein Sulfhydryl Groups by S-Nitrosoglutathione. <i>Antioxidants and Redox Signaling</i> , 2005, 7, 930-939.	2.5	127
12	Echinacoside and Caffeoyl Conjugates Protect Collagen from Free Radical-Induced Degradation: A Potential Use of Echinacea Extracts in the Prevention of Skin Photodamage. <i>Planta Medica</i> , 1995, 61, 510-514.	0.7	108
13	Mass spectrometric characterization of covalent modification of human serum albumin by 4-hydroxy-trans-2-nonenal. <i>Journal of Mass Spectrometry</i> , 2006, 41, 1149-1161.	0.7	106
14	Acetaminophen, via its reactive metabolite N-acetyl-p-benzo-quinoneimine and transient receptor potential ankyrin-1 stimulation, causes neurogenic inflammation in the airways and other tissues in rodents. <i>FASEB Journal</i> , 2010, 24, 4904-4916.	0.2	102
15	Albumin Is the Main Nucleophilic Target of Human Plasma: A Protective Role Against Pro-atherogenic Electrophilic Reactive Carbonyl Species?. <i>Chemical Research in Toxicology</i> , 2008, 21, 824-835.	1.7	100
16	Effect of a standardized grape seed extract on low-density lipoprotein susceptibility to oxidation in heavy smokers. <i>Metabolism: Clinical and Experimental</i> , 2003, 52, 1250-1257.	1.5	95
17	What We Know About Oxidative Stress in Patients with Chronic Kidney Disease on Dialysis – Clinical Effects, Potential Treatment, and Prevention. <i>Seminars in Dialysis</i> , 2011, 24, 56-64.	0.7	94
18	Actin Cys374 as a nucleophilic target of $\alpha,\beta$ -unsaturated aldehydes. <i>Free Radical Biology and Medicine</i> , 2007, 42, 583-598.	1.3	82

#	ARTICLE	IF	CITATIONS
19	LC coupled to ion-trap MS for the rapid screening and detection of polyphenol antioxidants from <i>Helichrysum stoechas</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2001, 24, 517-526.	1.4	81
20	Acrolein-sequestering ability of endogenous dipeptides: characterization of carnosine and homocarnosine/acrolein adducts by electrospray ionization tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2003, 38, 996-1006.	0.7	81
21	A carnosine analog mitigates metabolic disorders of obesity by reducing carbonyl stress. <i>Journal of Clinical Investigation</i> , 2018, 128, 5280-5293.	3.9	80
22	Lipoxidation-Derived Reactive Carbonyl Species as Potential Drug Targets in Preventing Protein Carbonylation and Related Cellular Dysfunction. <i>ChemMedChem</i> , 2006, 1, 1045-1058.	1.6	78
23	Protein carbonylation: 2,4-dinitrophenylhydrazine reacts with both aldehydes/ketones and sulfenic acids. <i>Free Radical Biology and Medicine</i> , 2009, 46, 1411-1419.	1.3	76
24	Profiling histidine dipeptides in plasma and urine after ingesting beef, chicken or chicken broth in humans. <i>Amino Acids</i> , 2010, 38, 847-858.	1.2	75
25	Covalent modification of actin by 4-hydroxy-trans-2-nonenal (HNE): LC-ESI-MS/MS evidence for Cys374 Michael adduction. <i>Journal of Mass Spectrometry</i> , 2005, 40, 946-954.	0.7	74
26	Identification of Actin as a 15-Deoxy- $\Delta^{12,14}$ -prostaglandin J <sub>2</sub> Target in Neuroblastoma Cells: A Mass Spectrometric, Computational, and Functional Approaches To Investigate the Effect on Cytoskeletal Derangement. <i>Biochemistry</i> , 2007, 46, 2707-2718.	1.2	73
27	HNE Michael Adducts to Histidine and Histidine-Containing Peptides as Biomarkers of Lipid-Derived Carbonyl Stress in Urines: LC-ESI-MS/MS Profiling in Zucker Obese Rats. <i>Analytical Chemistry</i> , 2007, 79, 9174-9184.	3.2	71
28	Protein haptentation by amoxicillin: High resolution mass spectrometry analysis and identification of target proteins in serum. <i>Journal of Proteomics</i> , 2012, 77, 504-520.	1.2	71
29	LC-ESI-MS/MS determination of 4-hydroxy-trans-2-nonenal Michael adducts with cysteine and histidine-containing peptides as early markers of oxidative stress in excitable tissues. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 827, 109-118.	1.2	69
30	Fluorescent probes as markers of oxidative stress in keratinocyte cell lines following UVB exposure. <i>Il Farmaco</i> , 2000, 55, 526-534.	0.9	68
31	Water-Soluble $\alpha,\beta$ -Unsaturated Aldehydes of Cigarette Smoke Induce Carbonylation of Human Serum Albumin. <i>Antioxidants and Redox Signaling</i> , 2010, 12, 349-364.	2.5	68
32	Detoxification of cytotoxic $\alpha,\beta$ -unsaturated aldehydes by carnosine: characterization of conjugated adducts by electrospray ionization tandem mass spectrometry and detection by liquid chromatography/mass spectrometry in rat skeletal muscle. <i>Journal of Mass Spectrometry</i> , 2002, 37, 1219-1228.	0.7	67
33	Protein modification by acrolein: Relevance to pathological conditions and inhibition by aldehyde sequestering agents. <i>Molecular Nutrition and Food Research</i> , 2011, 55, 1301-1319.	1.5	67
34	Profiling histidine-containing dipeptides in rat tissues by liquid chromatography/electrospray ionization tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2004, 39, 1417-1428.	0.7	66
35	Searching for allergens in maize kernels via proteomic tools. <i>Journal of Proteomics</i> , 2009, 72, 501-510.	1.2	64
36	A tandem MS precursor ion scan approach to identify variable covalent modification of albumin Cys34: a new tool for studying vascular carbonylation. <i>Journal of Mass Spectrometry</i> , 2008, 43, 1470-1481.	0.7	62

#	ARTICLE	IF	CITATIONS
37	Î <sup>2</sup> -Prostaglandin J <sub>2</sub> as a Product and Ligand of Human Serum Albumin: Formation of an Unusual Covalent Adduct at His146. <i>Journal of the American Chemical Society</i> , 2010, 132, 824-832.	6.6	62
38	Enzymatic and non-enzymatic detoxification of 4-hydroxynonenal: Methodological aspects and biological consequences. <i>Free Radical Biology and Medicine</i> , 2017, 111, 328-344.	1.3	60
39	Reactivity, Selectivity, and Reaction Mechanisms of Aminoguanidine, Hydralazine, Pyridoxamine, and Carnosine as Sequestering Agents of Reactive Carbonyl Species: A Comparative Study. <i>ChemMedChem</i> , 2016, 11, 1778-1789.	1.6	57
40	Design, Synthesis, and Evaluation of Carnosine Derivatives as Selective and Efficient Sequestering Agents of Cytotoxic Reactive Carbonyl Species. <i>ChemMedChem</i> , 2009, 4, 967-975.	1.6	55
41	A carnosine intervention study in overweight human volunteers: bioavailability and reactive carbonyl species sequestering effect. <i>Scientific Reports</i> , 2016, 6, 27224.	1.6	53
42	Coffee silver skin as a source of polyphenols: High resolution mass spectrometric profiling of components and antioxidant activity. <i>Journal of Functional Foods</i> , 2016, 20, 472-485.	1.6	53
43	Nitrosylhemoglobin, an unequivocal index of nitric oxide release from nitroaspirin: in vitro and in vivo studies in the rat by ESR spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2001, 26, 509-518.	1.4	52
44	Composition and stability of phytochemicals in five varieties of black soybeans ( <i>Glycine max</i> ). <i>Food Chemistry</i> , 2010, 123, 1176-1184.	4.2	51
45	Understanding the antioxidant and carbonyl sequestering activity of carnosine: direct and indirect mechanisms. <i>Free Radical Research</i> , 2021, 55, 321-330.	1.5	50
46	Mass spectrometric approaches for the identification and quantification of reactive carbonyl species protein adducts. <i>Journal of Proteomics</i> , 2013, 92, 28-50.	1.2	47
47	Detoxification of 4-hydroxynonenal (HNE) in keratinocytes: characterization of conjugated metabolites by liquid chromatography/electrospray ionization tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2003, 38, 1160-1168.	0.7	46
48	Mass spectrometric characterization and HPLC determination of the main urinary metabolites of nimesulide in man. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1998, 18, 201-211.	1.4	44
49	Design, Synthesis, ADME Properties, and Pharmacological Activities of Î <sup>2</sup> -Alanyl-D-histidine (<sup>D</sup>-Carnosine) Prodrugs with Improved Bioavailability. <i>ChemMedChem</i> , 2011, 6, 1269-1282.	1.6	39
50	Nitric oxide release and distribution following oral and intraperitoneal administration of nitroaspirin (NCX 4016) in the rat. <i>Life Sciences</i> , 2004, 74, 3291-3305.	2.0	37
51	Characterization of cisplatin-glutathione adducts by liquid chromatography-mass spectrometry evidence for their formation in vitro but not in vivo after concomitant administration of cisplatin and glutathione to rats and cancer patients. <i>Biomedical Applications</i> , 1995, 669, 247-263.	1.7	36
52	In vitro metabolism of a nitroderivative of acetylsalicylic acid (NCX4016) by rat liver: LC and LC-MS studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 29, 1061-1071.	1.4	36
53	Novel molecular approaches for improving enzymatic and nonenzymatic detoxification of 4-hydroxynonenal: toward the discovery of a novel class of bioactive compounds. <i>Free Radical Biology and Medicine</i> , 2014, 69, 145-156.	1.3	36
54	Thermospray liquid chromatography-mass spectrometry of flavonol glycosides from medicinal plants. <i>Journal of Chromatography A</i> , 1994, 661, 121-126.	1.8	35

#	ARTICLE	IF	CITATIONS
55	Preservation of Endothelium Nitric Oxide Release by Pulsatile Flow Cardiopulmonary Bypass When Compared With Continuous Flow. <i>Artificial Organs</i> , 2009, 33, 926-934.	1.0	35
56	Lipid peroxidation derived reactive carbonyl species in free and conjugated forms as an index of lipid peroxidation: limits and perspectives. <i>Redox Biology</i> , 2021, 42, 101899.	3.9	35
57	Antioxidant and Photoprotective Activity of a Lipophilic Extract Containing Neolignans from <i>Krameria triandra</i> Roots. <i>Planta Medica</i> , 2002, 68, 193-197.	0.7	34
58	Characterisation, extraction efficiency, stability and antioxidant activity of phytonutrients in <i>Angelica keiskei</i> . <i>Food Chemistry</i> , 2009, 115, 227-232.	4.2	33
59	Advanced lipoxidation end products (ALEs) as RAGE binders: Mass spectrometric and computational studies to explain the reasons why. <i>Redox Biology</i> , 2019, 23, 101083.	3.9	33
60	Edaravone Inhibits Protein Carbonylation by a Direct Carbonyl-Scavenging Mechanism: Focus on Reactivity, Selectivity, and Reaction Mechanisms. <i>Antioxidants and Redox Signaling</i> , 2010, 12, 381-392.	2.5	32
61	Analytical Profile and Antioxidant and Anti-Inflammatory Activities of the Enriched Polyphenol Fractions Isolated from Bergamot Fruit and Leave. <i>Antioxidants</i> , 2021, 10, 141.	2.2	32
62	( $\hat{\alpha}$ )-Epigallocatechin-(3)-gallate prevents oxidative damage in both the aqueous and lipid compartments of human plasma. <i>Biochemical and Biophysical Research Communications</i> , 2003, 302, 409-414.	1.0	31
63	An integrated high resolution mass spectrometric and informatics approach for the rapid identification of phenolics in plant extract. <i>Journal of Chromatography A</i> , 2011, 1218, 2856-2864.	1.8	31
64	Transforming dietary peptides in promising lead compounds: the case of bioavailable carnosine analogs. <i>Amino Acids</i> , 2012, 43, 111-126.	1.2	29
65	Mass Spectrometric Strategies for the Identification and Characterization of Human Serum Albumin Covalently Adducted by Amoxicillin: <i>Ex Vivo</i> Studies. <i>Chemical Research in Toxicology</i> , 2014, 27, 1566-1574.	1.7	29
66	Regulatory landscape of AGE-RAGE-oxidative stress axis and its modulation by PPAR $\hat{3}$ activation in high fructose diet-induced metabolic syndrome. <i>Nutrition and Metabolism</i> , 2017, 14, 5.	1.3	29
67	N-Acetyl-Cysteine Regenerates Albumin Cys34 by a Thiol-Disulfide Breaking Mechanism: An Explanation of Its Extracellular Antioxidant Activity. <i>Antioxidants</i> , 2020, 9, 367.	2.2	28
68	Hemoglobin glutathionylation can occur through cysteine sulfenic acid intermediate: Electrospray ionization LTQ-Orbitrap hybrid mass spectrometry studies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 3456-3461.	1.2	27
69	In vitro biotransformation of pyrazinamide by rat liver: Identification of a new metabolite. <i>Pharmacological Research Communications</i> , 1981, 13, 351-362.	0.2	26
70	$\hat{1}\pm, \hat{1}^2$ -Unsaturated aldehydes adducts to actin and albumin as potential biomarkers of carbonylation damage. <i>Redox Report</i> , 2007, 12, 20-25.	1.4	26
71	Quenching activity of carnosine derivatives towards reactive carbonyl species: Focus on $\hat{1}\pm\hat{\alpha}$ (methylglyoxal) and $\hat{1}^2\hat{\alpha}$ (malondialdehyde) dicarbonyls. <i>Biochemical and Biophysical Research Communications</i> , 2017, 492, 487-492.	1.0	26
72	Chemiluminescence and LC-MS/MS analyses for the study of nitric oxide release and distribution following oral administration of nitroaspirin (NCX 4016) in healthy volunteers. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 35, 277-287.	1.4	25

#	ARTICLE	IF	CITATIONS
73	Procyanidins from <i>Vitis vinifera</i> Seeds Inhibit the Respiratory Burst of Activated Human Neutrophils and Lysosomal Enzyme Release. <i>Planta Medica</i> , 2001, 67, 714-717.	0.7	24
74	Development and validation of a sensitive LC-MS/MS assay for the quantification of anserine in human plasma and urine and its application to pharmacokinetic study. <i>Amino Acids</i> , 2019, 51, 103-114.	1.2	24
75	Participation of lipid peroxidation in the loss of hepatic drug-metabolizing activities in experimental fascioliasis in the rat. <i>Pharmacological Research</i> , 1989, 21, 549-560.	3.1	23
76	Decrease of the in vitro drug-metabolizing activity of the hepatic mixed function oxidase system in rats infected experimentally with <i>fasciola hepatica</i> : Pharmacological implications. <i>Pharmacological Research Communications</i> , 1981, 13, 731-742.	0.2	22
77	Scavenging of Free Radicals by Tenoxicam: A Participating Mechanism in the Antirheumatic/Anti-inflammatory Efficacy of the Drug. <i>Archiv Der Pharmazie</i> , 1996, 329, 457-463.	2.1	22
78	Decrease in hepatic microsomal UDP-glucuronosyltransferase activity in rats and cattle with fascioliasis: Impaired in vitro glucuronidation of oxyclozanide. <i>Toxicology Letters</i> , 1985, 26, 65-71.	0.4	21
79	Computational approaches in the rational design of improved carbonyl quenchers: focus on histidine containing dipeptides. <i>Future Medicinal Chemistry</i> , 2016, 8, 1721-1737.	1.1	21
80	High-performance liquid chromatographic determination of flavonoid glucosides from <i>Helichrysum italicum</i> . <i>Journal of Chromatography A</i> , 1991, 537, 449-452.	1.8	20
81	Metabolic profile of NO-flurbiprofen (HCT1026) in rat brain and plasma: a LC-MS study. <i>Life Sciences</i> , 2002, 71, 1487-1500.	2.0	20
82	Effects of UVB Radiation on 4-Hydroxy-2-trans-nonenal Metabolism and Toxicity in Human Keratinocytes. <i>Chemical Research in Toxicology</i> , 2007, 20, 416-423.	1.7	20
83	Acetaminophen, via its reactive metabolite N-acetyl-p-benzoquinoneimine and transient receptor potential ankyrin-1 stimulation, causes neurogenic inflammation in the airways and other tissues in rodents. <i>FASEB Journal</i> , 2010, 24, 4904-4916.	0.2	19
84	Novel insights about albumin in cardiovascular diseases: Focus on heart failure. <i>Mass Spectrometry Reviews</i> , 2023, 42, 1113-1128.	2.8	19
85	Complexation of Ginkgo biloba Extract with Phosphatidylcholine Improves Cardioprotective Activity and Increases the Plasma Antioxidant Capacity in the Rat. <i>Planta Medica</i> , 2001, 67, 326-330.	0.7	18
86	A sensitive and specific precursor ion scanning approach in liquid chromatography/electrospray ionization tandem mass spectrometry to detect methylprednisolone acetate and its metabolites in rat urine. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1583-1594.	0.7	18
87	Ripe and Raw Pu-Erh Tea: LC-MS Profiling, Antioxidant Capacity and Enzyme Inhibition Activities of Aqueous and Hydro-Alcoholic Extracts. <i>Molecules</i> , 2019, 24, 473.	1.7	18
88	Urinary profile of methylprednisolone acetate metabolites in patients following intra-articular and intramuscular administration. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 255-267.	1.9	17
89	Screening of fibrillogenesis inhibitors of Î²2-microglobulin: Integrated strategies by mass spectrometry capillary electrophoresis and in silico simulations. <i>Analytica Chimica Acta</i> , 2011, 685, 153-161.	2.6	17
90	A novel truncated form of eNOS associates with altered vascular function. <i>Cardiovascular Research</i> , 2014, 101, 492-502.	1.8	17

#	ARTICLE	IF	CITATIONS
91	A novel high resolution MS approach for the screening of 4-hydroxy-trans-2-nonenal sequestering agents. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 91, 108-118.	1.4	17
92	Mass Spectrometric Strategies and Their Applications for Molecular Mass Determination of Recombinant Therapeutic Proteins. <i>Current Pharmaceutical Biotechnology</i> , 2011, 12, 1548-1557.	0.9	17
93	Impaired in vitro metabolism of the flukicidal agent nitroxylin by hepatic microsomal cytochrome P-450 in bovine fascioliasis. <i>Toxicology Letters</i> , 1984, 20, 231-236.	0.4	16
94	Electron Paramagnetic Resonance (EPR) Spectroscopy: A Versatile and Powerful Tool in Pharmaceutical and Biomedical Analysis. <i>Current Pharmaceutical Analysis</i> , 2006, 2, 141-159.	0.3	16
95	A rapid and sensitive LC-ESI-MS/MS method for detection and quantitation of methylprednisolone and methylprednisolone acetate in rat plasma after intra-articular administration. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 51, 691-697.	1.4	15
96	Methylprednisolone-loaded PLGA microspheres: A new formulation for sustained release via intra-articular administration. A comparison study with methylprednisolone acetate in rats. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 4580-4586.	1.6	15
97	Exploring the space of histidine containing dipeptides in search of novel efficient RCS sequestering agents. <i>European Journal of Medicinal Chemistry</i> , 2013, 66, 153-160.	2.6	15
98	Study of Carnosine™s effect on nude mice skin to prevent UV-A damage. <i>Free Radical Biology and Medicine</i> , 2021, 173, 97-103.	1.3	14
99	LC-MS/MS and FT-IR analyses of stones from a patient with Crohn™s disease: a case report. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 35, 1263-1272.	1.4	13
100	Nitrosylhemoglobin formation after infusion of NO solutions: ESR studies in pigs. <i>Biochemical and Biophysical Research Communications</i> , 2004, 318, 405-414.	1.0	13
101	Albumin Cys34 adducted by acrolein as a marker of oxidative stress in ischemia-reperfusion injury during hepatectomy. <i>Free Radical Research</i> , 2016, 50, 831-839.	1.5	13
102	Advanced quantitative proteomics to evaluate molecular effects of low-molecular-weight hyaluronic acid in human dermal fibroblasts. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 185, 113199.	1.4	13
103	The inhibitory effect of pyrazinamide on microsomal monooxygenase activities is related to the binding to reduced cytochrome P-450. <i>Pharmacological Research Communications</i> , 1980, 12, 523-537.	0.2	12
104	Preservation of endothelium nitric oxide release during beating heart surgery with respect to continuous flow cardiopulmonary bypass. <i>Perfusion (United Kingdom)</i> , 2010, 25, 57-64.	0.5	12
105	Development of a direct LC-ESI-MS method for the measurement of human serum carnosinase activity. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 189, 113440.	1.4	12
106	Direct HPLC separation of carnosine enantiomers with two chiral stationary phases based on penicillamine and teicoplanin derivatives. <i>Journal of Separation Science</i> , 2018, 41, 1240-1246.	1.3	11
107	High-performance liquid chromatographic analysis of Î²-escin. <i>Journal of Chromatography A</i> , 1989, 478, 259-263.	1.8	10
108	Determination of lead and cadmium in titanium dioxide by differential pulse anodic stripping voltammetry. <i>Talanta</i> , 2002, 58, 481-488.	2.9	10

#	ARTICLE	IF	CITATIONS
109	A Combined High-Resolution Mass Spectrometric and <i>in silico</i> Approach for the Characterisation of Small Ligands of $\beta$ -Microglobulin. <i>ChemMedChem</i> , 2010, 5, 1015-1025.	1.6	10
110	Stressed degradation studies of domiphen bromide by LC-ESI-MS/MS identify a novel promising antimicrobial agent. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 159, 224-228.	1.4	10
111	Fibrosis, Enzymatic and Non-Enzymatic Cross-Links in Hypertensive Heart Disease. <i>Cardiovascular &amp; Hematological Disorders Drug Targets</i> , 2011, 11, 61-73.	0.2	10
112	A method to produce fully characterized ubiquitin covalently modified by 4-hydroxy-nonenal, glyoxal, methylglyoxal, and malondialdehyde. <i>Free Radical Research</i> , 2016, 50, 328-336.	1.5	9
113	The Disposal of Reactive Carbonyl Species through Carnosine Conjugation: What We Know Now. <i>Current Medicinal Chemistry</i> , 2020, 27, 1726-1743.	1.2	9
114	Carboxylic metabolites of tadenol as <i>in vivo</i> inducers of hepatic peroxisomal $\beta$ -oxidation activity. <i>Pharmacological Research Communications</i> , 1988, 20, 265-276.	0.2	8
115	Oxidative Stress Modulation by Carnosine in Scaffold Free Human Dermis Spheroids Model: A Proteomic Study. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1468.	1.8	8
116	Advanced glycation end products of beta2-microglobulin in uremic patients as determined by high resolution mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 91, 193-201.	1.4	7
117	Isotopic labelling for the characterisation of HNE-sequestering agents in plant-based extracts and its application for the identification of anthocyanidins in black rice with giant embryo. <i>Free Radical Research</i> , 2018, 52, 896-906.	1.5	7
118	Serum albumin as a probe for testing the selectivity of irreversible cysteine protease inhibitors: The case of vinyl sulfones. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 124, 294-302.	1.4	6
119	MS methods to study macromolecule-ligand interaction: Applications in drug discovery. <i>Methods</i> , 2018, 144, 152-174.	1.9	6
120	Effect of the hypolipidemic drug bezafibrate on the hepatic mixed function oxidase system of the rat: Heterogeneity monooxygenase responses. <i>Pharmacological Research Communications</i> , 1981, 13, 861-871.	0.2	5
121	Rapid analysis of $\beta$ -hederin in a crude plant extract by collisional mass spectrometry (CAD MIKES). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1985, 3, 201-206.	1.4	5
122	Development and validation of a HPLC method for the direct separation of carnosine enantiomers and analogues in dietary supplements. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1126-1127, 121747.	1.2	5
123	Electron Spin Resonance and Chemiluminescence Analyses to Elucidate the Vasodilating Mechanism of Sodium Nitroprusside. <i>Molecular Pharmacology</i> , 2006, 70, 1672-1680.	1.0	4
124	In-Depth AGE and ALE Profiling of Human Albumin in Heart Failure: Ex Vivo Studies. <i>Antioxidants</i> , 2021, 10, 358.	2.2	4
125	Field desorption mass spectrometry, fast atom bombardment mass spectrometry and fast atom bombardment tandem mass spectrometry of echinacoside, the main caffeoyl-glycoside from <i>Echinacea angustifolia</i> roots (Asteraceae). <i>Organic Mass Spectrometry</i> , 1991, 26, 951-955.	1.3	3
126	CASE REPORT: Iatrogenic Ileal Obstruction in a Patient with Crohn's Disease. <i>Digestive Diseases and Sciences</i> , 2004, 49, 1287-1290.	1.1	2



#	ARTICLE	IF	CITATIONS
127	Data on thermal and hydrolytic stability of both domiphen bromide and para-bromodomiphen bromide. Data in Brief, 2018, 20, 1363-1366.	0.5	2
128	Integratomics of Human Dermal Fibroblasts Treated with Low Molecular Weight Hyaluronic Acid. Molecules, 2021, 26, 5096.	1.7	2
129	Synthesis and characterization of <sup>13</sup> C labeled carnosine derivatives for isotope dilution mass spectrometry measurements in biological matrices. Talanta, 2021, 235, 122742.	2.9	2
130	Analysis of tildenafil in human plasma by capillary gas chromatography with electron capture detection. Journal of Pharmaceutical and Biomedical Analysis, 1987, 5, 151-156.	1.4	1
131	Sequestering Agents of Intermediate Reactive Aldehydes as Inhibitors of Advanced Lipoxidation End-Products (ALEs). , 2006, , 877-929.		1
132	Oxidative Stress and Chronic Renal Disease " Clinical Aspects. , 2014, , 2625-2644.		1
133	2020 Italian Special Anniversary Collection: Celebrating NMMC 2019 and 40 Years of the DCF&SCI. ChemMedChem, 2021, 16, 303-308.	1.6	1