

# Giancarlo Aldini

## List of Publications by Year in descending order

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224  
papers

11,335  
citations

22099

59  
h-index

35952

97  
g-index

241  
all docs

241  
docs citations

241  
times ranked

13300  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiology and Pathophysiology of Carnosine. <i>Physiological Reviews</i> , 2013, 93, 1803-1845.	13.1	763
2	Protein carbonylation, cellular dysfunction, and disease progression. <i>Journal of Cellular and Molecular Medicine</i> , 2006, 10, 389-406.	1.6	691
3	Advanced glycoxidation and lipoxidation end products (AGEs and ALEs): an overview of their mechanisms of formation. <i>Free Radical Research</i> , 2013, 47, 3-27.	1.5	602
4	N-Acetylcysteine as an antioxidant and disulphide breaking agent: the reasons why. <i>Free Radical Research</i> , 2018, 52, 751-762.	1.5	479
5	Protein Carbonylation. <i>Antioxidants and Redox Signaling</i> , 2010, 12, 323-325.	2.5	311
6	Intervention strategies to inhibit protein carbonylation by lipoxidation-derived reactive carbonyls. <i>Medicinal Research Reviews</i> , 2007, 27, 817-868.	5.0	256
7	Biomarkers of antioxidant capacity in the hydrophilic and lipophilic compartments of human plasma. <i>Archives of Biochemistry and Biophysics</i> , 2004, 430, 97-103.	1.4	192
8	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
9	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
10	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
11	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
12	Novel Therapeutic Strategy to Prevent Chemotherapy-Induced Persistent Sensory Neuropathy By TRPA1 Blockade. <i>Cancer Research</i> , 2013, 73, 3120-3131.	0.4	151
13	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
14	Molecular strategies to prevent, inhibit, and degrade advanced glycoxidation and advanced lipoxidation end products. <i>Free Radical Research</i> , 2013, 47, 93-137.	1.5	132
15	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
16	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
17	Modification of lymphocyte DNA damage by carotenoid supplementation in postmenopausal women. <i>American Journal of Clinical Nutrition</i> , 2006, 83, 163-169.	2.2	123
18	Effects of carnosine supplementation on glucose metabolism: Pilot clinical trial. <i>Obesity</i> , 2016, 24, 1027-1034.	1.5	116

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19	Procyanidines from <i>Vitis vinifera</i> Seeds Protect Rabbit Heart from Ischemia/Reperfusion Injury: Antioxidant Intervention and/or Iron and Copper Sequestering Ability. <i>Planta Medica</i> , 1996, 62, 495-502.	0.7	111
20	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
21	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
22	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
23	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
24	Carnosine Attenuates the Development of both Type 2 Diabetes and Diabetic Nephropathy in BTBR ob/ob Mice. <i>Scientific Reports</i> , 2017, 7, 44492.	1.6	100
25	A method to measure the oxidizability of both the aqueous and lipid compartments of plasma. <i>Free Radical Biology and Medicine</i> , 2001, 31, 1043-1050.	1.3	99
26	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
27	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
28	Diet enriched with procyanidins enhances antioxidant activity and reduces myocardial post-ischaemic damage in rats. <i>Life Sciences</i> , 1999, 64, 627-642.	2.0	88
29	Panax ginseng Administration in the Rat Prevents Myocardial Ischemia-Reperfusion Damage Induced by Hyperbaric Oxygen: Evidence for an Antioxidant Intervention. <i>Planta Medica</i> , 1999, 65, 614-619.	0.7	85
30	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
31	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
32	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
33	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
34	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
35	Efficacy and age-related effects of nitric oxide-releasing aspirin on experimental restenosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 1689-1694.	3.3	77
36	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

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37	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
38	Protein lipoxidation: Detection strategies and challenges. <i>Redox Biology</i> , 2015, 5, 253-266.	3.9	75
39	Characterization of phenolic antioxidants from Matã© (Ilex Paraguayensis) by liquid chromatography/mass spectrometry and liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1998, 12, 1813-1819.	0.7	74
40	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
41	Identification of Actin as a 15-Deoxy-Î”12,14-prostaglandin J2Target in Neuroblastoma Cells:Â Mass Spectrometric, Computational, and Functional Approaches To Investigate the Effect on Cytoskeletal Derangementâ€. <i>Biochemistry</i> , 2007, 46, 2707-2718.	1.2	73
42	Oxidative damage in human gingival fibroblasts exposed to cigarette smoke. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1584-1596.	1.3	73
43	Les MaÃ©tres de lâ€™Orge: The Proteome Content of Your Beer Mug. <i>Journal of Proteome Research</i> , 2010, 9, 5262-5269.	1.8	72
44	Dâ€™carnosine octylester attenuates atherosclerosis and renal disease in ApoE null mice fed a Western diet through reduction of carbonyl stress and inflammation. <i>British Journal of Pharmacology</i> , 2012, 166, 1344-1356.	2.7	72
45	HNE Michael Adducts to Histidine and Histidine-Containing Peptides as Biomarkers of Lipid-Derived Carbonyl Stress in Urines:â€% LCâ™MS/MS Profiling in Zucker Obese Rats. <i>Analytical Chemistry</i> , 2007, 79, 9174-9184.	3.2	71
46	Low plasma carnosinase activity promotes carnosinemia after carnosine ingestion in humans. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 302, F1537-F1544.	1.3	71
47	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
48	LCâ€™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
49	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
50	Water-Soluble Î±,Î²-Unsaturated Aldehydes of Cigarette Smoke Induce Carbonylation of Human Serum Albumin. <i>Antioxidants and Redox Signaling</i> , 2010, 12, 349-364.	2.5	68
51	Detoxification of cytotoxic Î±,Î²-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
52	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
53	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
54	Synergistic interactions of antioxidant nutrients in a biological model system. <i>Nutrition</i> , 2009, 25, 839-846.	1.1	65

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55	Searching for allergens in maize kernels via proteomic tools. <i>Journal of Proteomics</i> , 2009, 72, 501-510.	1.2	64
56	Physiological and therapeutic effects of carnosine on cardiometabolic risk and disease. <i>Amino Acids</i> , 2016, 48, 1131-1149.	1.2	63
57	UVB-induced hemolysis of rat erythrocytes. <i>Life Sciences</i> , 2000, 67, 1799-1814.	2.0	62
58	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
59	<sup>12</sup> C-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
60	Total antioxidant performance: A validated fluorescence assay for the measurement of plasma oxidizability. <i>Analytical Biochemistry</i> , 2006, 354, 290-298.	1.1	60
61	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
62	The Activities of Antioxidant Nutrients in Human Plasma Depend on the Localization of Attacking Radical Species. <i>Journal of Nutrition</i> , 2003, 133, 2688-2691.	1.3	59
63	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
64	Sparing Effect of Procyanidins from <i>Vitis vinifera</i> on Vitamin E: In vitro Studies. <i>Planta Medica</i> , 1998, 64, 343-347.	0.7	56
65	Phenolic profiles and anti-inflammatory activities of sixteen table grape ( <i>Vitis vinifera</i> ) varieties. <i>Food and Function</i> , 2019, 10, 1797-1807.	2.1	56
66	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
67	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
68	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
69	Designing experiments to optimise and validate the adsorptive stripping voltammetric determination of nimesulide. <i>Analytica Chimica Acta</i> , 2000, 413, 229-239.	2.6	52
70	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
71	Lipid Peroxidation in Atherosclerotic Cardiovascular Diseases. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 49-98.	2.5	52
72	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

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73	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
74	The potential of resveratrol against human gliomas. <i>Anti-Cancer Drugs</i> , 2010, 21, 140-150.	0.7	49
75	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
76	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
77	Human serum albumin cysteinylolation is increased in end stage renal disease patients and reduced by hemodialysis: mass spectrometry studies. <i>Free Radical Research</i> , 2013, 47, 172-180.	1.5	45
78	Biological functions of histidine-dipeptides and metabolic syndrome. <i>Nutrition Research and Practice</i> , 2014, 8, 3.	0.7	45
79	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
80	Foam cell-derived 4-hydroxynonenal induces endothelial cell senescence in a TXNIP-dependent manner. <i>Journal of Cellular and Molecular Medicine</i> , 2015, 19, 1887-1899.	1.6	42
81	Homology Modeling of Human Serum Carnosinase, a Potential Medicinal Target, and MD Simulations of Its Allosteric Activation by Citrate. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 3269-3277.	2.9	39
82	Design, Synthesis, ADME Properties, and Pharmacological Activities of $\alpha$ -Alanyl-D-histidine (D-histidine Carnosine) Prodrugs with Improved Bioavailability. <i>ChemMedChem</i> , 2011, 6, 1269-1282.	1.6	39
83	Pathophysiology of tobacco smoke exposure: Recent insights from comparative and redox proteomics. <i>Mass Spectrometry Reviews</i> , 2014, 33, 183-218.	2.8	39
84	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
85	Antioxidant activity of polyphenols from solid olive residues of c.v. Coratina. <i>FÄ-toterapÄ-Äç</i> , 2006, 77, 121-128.	1.1	37
86	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
87	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
88	Antioxidant/Pro-oxidant Actions of Carotenoids. , 2009, , 235-268.		35
89	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
90	Antioxidant and Photoprotective Activity of a Lipophilic Extract Containing Neolignans from Krameria triandra Roots. <i>Planta Medica</i> , 2002, 68, 193-197.	0.7	34

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91	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
92	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
93	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
94	Pharmacokinetic profile of bilberry anthocyanins in rats and the role of glucose transporters: LC-MS/MS and computational studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 144, 112-121.	1.4	32
95	FL-16, a novel bioavailable carnosinase-resistant carnosine derivative, prevents onset and stops progression of diabetic nephropathy in db/db mice. <i>British Journal of Pharmacology</i> , 2018, 175, 53-66.	2.7	32
96	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
97	( $\hat{\alpha}$ )-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
98	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
99	Silkworm pupae as source of high-value edible proteins and of bioactive peptides. <i>Food Science and Nutrition</i> , 2020, 8, 2652-2661.	1.5	30
100	Transforming dietary peptides in promising lead compounds: the case of bioavailable carnosine analogs. <i>Amino Acids</i> , 2012, 43, 111-126.	1.2	29
101	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
102	Regulatory landscape of AGE-RAGE-oxidative stress axis and its modulation by PPAR $\beta$ activation in high fructose diet-induced metabolic syndrome. <i>Nutrition and Metabolism</i> , 2017, 14, 5.	1.3	29
103	Muscle Carnosine Is Associated with Cardiometabolic Risk Factors in Humans. <i>PLoS ONE</i> , 2015, 10, e0138707.	1.1	29
104	Modeling of the Intestinal Peptide Transporter hPepT1 and Analysis of Its Transport Capacities by Docking and Pharmacophore Mapping. <i>ChemMedChem</i> , 2008, 3, 1913-1921.	1.6	28
105	Pro-oxidant and pro-inflammatory effects of glycated albumin on cardiomyocytes. <i>Free Radical Biology and Medicine</i> , 2019, 144, 245-255.	1.3	28
106	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
107	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
108	Profiling Vaccinium macrocarpon components and metabolites in human urine and the urine ex-vivo effect on <i>Candida albicans</i> adhesion and biofilm-formation. <i>Biochemical Pharmacology</i> , 2020, 173, 113726.	2.0	27

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109	Î±,Î²-Unsaturated aldehydes adducts to actin and albumin as potential biomarkers of carbonylation damage. Redox Report, 2007, 12, 20-25.	1.4	26
110	Quenching activity of carnosine derivatives towards reactive carbonyl species: Focus on Î±-methylglyoxal and Î²-malondialdehyde dicarbonyls. Biochemical and Biophysical Research Communications, 2017, 492, 487-492.	1.0	26
111	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. Journal of Pharmaceutical and Biomedical Analysis, 2004, 35, 277-287.	1.4	25
112	Procyanidins from <i>Vitis vinifera</i> Seeds Inhibit the Respiratory Burst of Activated Human Neutrophils and Lysosomal Enzyme Release. Planta Medica, 2001, 67, 714-717.	0.7	24
113	Supplementation with lutein or lutein plus green tea extracts does not change oxidative stress in adequately nourished older adults. Journal of Nutritional Biochemistry, 2010, 21, 544-549.	1.9	24
114	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. Amino Acids, 2019, 51, 103-114.	1.2	24
115	Effect of carnosine supplementation on the plasma lipidome in overweight and obese adults: a pilot randomised controlled trial. Scientific Reports, 2017, 7, 17458.	1.6	23
116	Scavenging of Free Radicals by Tenoxicam: A Participating Mechanism in the Antirheumatic/Anti-inflammatory Efficacy of the Drug. Archiv Der Pharmazie, 1996, 329, 457-463.	2.1	22
117	Targeting Reactive Carbonyl Species with Natural Sequestering Agents. Molecules, 2016, 21, 280.	1.7	22
118	Extracellular thermostable proteolytic activity of the milk spoilage bacterium Pseudomonas fluorescens PS19 on bovine caseins. Journal of Dairy Science, 2016, 99, 4188-4195.	1.4	22
119	Computational approaches in the rational design of improved carbonyl quenchers: focus on histidine containing dipeptides. Future Medicinal Chemistry, 2016, 8, 1721-1737.	1.1	21
120	High-performance liquid chromatographic determination of flavonoid glucosides from Helichrysum italicum. Journal of Chromatography A, 1991, 537, 449-452.	1.8	20
121	Metabolic profile of NO-flurbiprofen (HCT1026) in rat brain and plasma: a LC-MS study. Life Sciences, 2002, 71, 1487-1500.	2.0	20
122	Effects of UVB Radiation on 4-Hydroxy-2-trans-nonenal Metabolism and Toxicity in Human Keratinocytes. Chemical Research in Toxicology, 2007, 20, 416-423.	1.7	20
123	Fat-Soluble Bioactive Components in Colored Rice Varieties. Journal of Medicinal Food, 2014, 17, 1134-1141.	0.8	20
124	En bloc elution of proteomes from combinatorial peptide ligand libraries. Journal of Proteomics, 2009, 72, 725-730.	1.2	19
125	Carnosine Supplementation Improves Serum Resistin Concentrations in Overweight or Obese Otherwise Healthy Adults: A Pilot Randomized Trial. Nutrients, 2018, 10, 1258.	1.7	19
126	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. FASEB Journal, 2010, 24, 4904-4916.	0.2	19



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127	Novel insights about albumin in cardiovascular diseases: Focus on heart failure. <i>Mass Spectrometry Reviews</i> , 2023, 42, 1113-1128.	2.8	19
128	The Therapeutic Potential of Carnosine as an Antidote against Drug-Induced Cardiotoxicity and Neurotoxicity: Focus on Nrf2 Pathway. <i>Molecules</i> , 2022, 27, 4452.	1.7	19
129	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
130	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
131	Plasma carnosine, but not muscle carnosine, attenuates high-fat diet-induced metabolic stress. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015, 40, 868-876.	0.9	18
132	The secrets of Oriental panacea: Panax ginseng. <i>Journal of Proteomics</i> , 2016, 130, 150-159.	1.2	18
133	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
134	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
135	Screening of fibrillogenesis inhibitors of $\beta$ 2-microglobulin: Integrated strategies by mass spectrometry capillary electrophoresis and in silico simulations. <i>Analytica Chimica Acta</i> , 2011, 685, 153-161.	2.6	17
136	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
137	An in depth proteomic analysis based on ProteoMiner, affinity chromatography and nano-HPLC-MS/MS to explain the potential health benefits of bovine colostrum. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 121, 297-306.	1.4	17
138	S-Thiolation Targets Albumin in Heart Failure. <i>Antioxidants</i> , 2020, 9, 763.	2.2	17
139	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
140	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
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