Giancarlo Aldini

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Novel insights about albumin in cardiovascular diseases: Focus on heart failure. Mass Spectrometry Reviews, 2023, 42, 1113-1128.	5.4	19
2	Oxidative Stress Modulation by Carnosine in Scaffold Free Human Dermis Spheroids Model: A Proteomic Study. International Journal of Molecular Sciences, 2022, 23, 1468.	4.1	8
3	N-Acetylcysteine Inhibits Platelet Function through the Regeneration of the Non-Oxidative Form of Albumin. Antioxidants, 2022, 11, 445.	5.1	8
4	The ergogenic effect of acute carnosine and anserine supplementation: dosing, timing, and underlying mechanism. Journal of the International Society of Sports Nutrition, 2022, 19, 70-91.	3.9	8
5	Cyclo(His-Pro) Exerts Protective Carbonyl Quenching Effects through Its Open Histidine Containing Dipeptides. Nutrients, 2022, 14, 1775.	4.1	4
6	In vivo detection of carnosine and its derivatives using chemical exchange saturation transfer. Magnetic Resonance in Medicine, 2022, 88, 1314-1323.	3.0	2
7	Liquid Chromatography–High-Resolution Mass Spectrometry (LC-HRMS) Profiling of Commercial Enocianina and Evaluation of Their Antioxidant and Anti-Inflammatory Activity. Antioxidants, 2022, 11, 1187.	5.1	12
8	The Therapeutic Potential of Carnosine as an Antidote against Drug-Induced Cardiotoxicity and Neurotoxicity: Focus on Nrf2 Pathway. Molecules, 2022, 27, 4452.	3.8	19
9	Understanding the antioxidant and carbonyl sequestering activity of carnosine: direct and indirect mechanisms. Free Radical Research, 2021, 55, 321-330.	3.3	50
10	Lipid Peroxidation in Atherosclerotic Cardiovascular Diseases. Antioxidants and Redox Signaling, 2021, 34, 49-98.	5.4	52
11	Analytical Profile and Antioxidant and Anti-Inflammatory Activities of the Enriched Polyphenol Fractions Isolated from Bergamot Fruit and Leave. Antioxidants, 2021, 10, 141.	5.1	32
12	(Z)-5-(3′,4′-Bis(benzyloxy)benzylidene)furan-2(5H)-one. MolBank, 2021, 2021, M1193.	0.5	3
13	In-Depth AGE and ALE Profiling of Human Albumin in Heart Failure: Ex Vivo Studies. Antioxidants, 2021, 10, 358.	5.1	4
14	Cyclooxygenase-2 Glycosylation Is Affected by Peroxynitrite in Endothelial Cells: Impact on Enzyme Activity and Degradation. Antioxidants, 2021, 10, 496.	5.1	5
15	Protein network analyses of pulmonary endothelial cells in chronic thromboembolic pulmonary hypertension. Scientific Reports, 2021, 11, 5583.	3.3	10
16	Differentially expressed proteins obtained by labelâ€free quantitative proteomic analysis reveal affected biological processes and functions in Western dietâ€induced steatohepatitis. Journal of Biochemical and Molecular Toxicology, 2021, 35, 1-11.	3.0	7
17	Reactive Carbonyl Species and Protein Adducts: Identification Strategies, Biological Mechanisms and Molecular Approaches for Their Detoxification. Antioxidants, 2021, 10, 690.	5.1	2
18	Protocol Optimization of Proteomic Analysis of Korean Ginseng (Panax ginseng Meyer). Separations, 2021, 8, 53.	2.4	1

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19	Lipid peroxidation derived reactive carbonyl species in free and conjugated forms as an index of lipid peroxidation: limits and perspectives. Redox Biology, 2021, 42, 101899.	9.0	35
20	PHoral: Effects of carnosine supplementation on quantity/quality of oral salivae in healthy volunteer and in subjects affected by common oral pathologies. Medicine (United States), 2021, 100, e26369.	1.0	3
21	Gamma-oryzanol reduces renal inflammation and oxidative stress by modulating AGEs/RAGE axis in animals submitted to high sugar-fat diet. Jornal Brasileiro De Nefrologia: Orgao Oficial De Sociedades Brasileira E Latino-Americana De Nefrologia, 2021, 43, 460-469.	0.9	2
22	A Randomized, Double-Blind, Placebo-Controlled, Cross-Over Study to Evaluate the Efficacy of AqualiefTM Mucoadhesive Tablets in Head and Neck Cancer Patients Who Developed Radiation-Induced Xerostomia. Cancers, 2021, 13, 3456.	3.7	3
23	Candida albicans Biofilm Inhibition by Two Vaccinium macrocarpon (Cranberry) Urinary Metabolites: 5-(3′,4′-DihydroxyPhenyl)-γ-Valerolactone and 4-Hydroxybenzoic Acid. Microorganisms, 2021, 9, 1492.	3.6	3
24	Integratomics of Human Dermal Fibroblasts Treated with Low Molecular Weight Hyaluronic Acid. Molecules, 2021, 26, 5096.	3.8	2
25	Study of Carnosine's effect on nude mice skin to prevent UV-A damage. Free Radical Biology and Medicine, 2021, 173, 97-103.	2.9	14
26	Effect of Extraction Solvent and Temperature on Polyphenol Profiles, Antioxidant and Anti-Inflammatory Effects of Red Grape Skin By-Product. Molecules, 2021, 26, 5454.	3.8	14
27	Synthesis and characterization of 13C labeled carnosine derivatives for isotope dilution mass spectrometry measurements in biological matrices. Talanta, 2021, 235, 122742.	5.5	2
28	Amoxicillin Haptenation of α-Enolase is Modulated by Active Site Occupancy and Acetylation. Frontiers in Pharmacology, 2021, 12, 807742.	3.5	1
29	Modulation of cell proteome by 25-hydroxycholesterol and 27-hydroxycholesterol: A link between cholesterol metabolism and antiviral defense. Free Radical Biology and Medicine, 2020, 149, 30-36.	2.9	16
30	Profiling Vaccinium macrocarpon components and metabolites in human urine and the urine ex-vivo effect on Candida albicans adhesion and biofilm-formation. Biochemical Pharmacology, 2020, 173, 113726.	4.4	27
31	Prothrombin is a binding partner of the human receptor of advanced glycation end products. Journal of Biological Chemistry, 2020, 295, 12498-12511.	3.4	5
32	S-Thiolation Targets Albumin in Heart Failure. Antioxidants, 2020, 9, 763.	5.1	17
33	Unveiling the molecular mechanisms underpinning biorecognition of early-glycated human serum albumin and receptor for advanced glycation end products. Analytical and Bioanalytical Chemistry, 2020, 412, 4245-4259.	3.7	7
34	N-Acetyl-Cysteine Regenerates Albumin Cys34 by a Thiol-Disulfide Breaking Mechanism: An Explanation of Its Extracellular Antioxidant Activity. Antioxidants, 2020, 9, 367.	5.1	28
35	Silkworm pupae as source of highâ€value edible proteins and of bioactive peptides. Food Science and Nutrition, 2020, 8, 2652-2661.	3.4	30
36	Activation Effects of Carnosine- and Histidine-Containing Dipeptides on Human Carbonic Anhydrases: A Comprehensive Study. International Journal of Molecular Sciences, 2020, 21, 1761.	4.1	15

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37	Advanced quantitative proteomics to evaluate molecular effects of low-molecular-weight hyaluronic acid in human dermal fibroblasts. Journal of Pharmaceutical and Biomedical Analysis, 2020, 185, 113199.	2.8	13
38	Development of a direct LC-ESI-MS method for the measurement of human serum carnosinase activity. Journal of Pharmaceutical and Biomedical Analysis, 2020, 189, 113440.	2.8	12
39	Binding modes identification through molecular dynamic simulations: A case study with carnosine enantiomers and the Teicoplanin A2â€2â€based chiral stationary phase. Journal of Separation Science, 2020, 43, 1728-1736.	2.5	11
40	In Vitro Aging of Human Skin Fibroblasts: Age-Dependent Changes in 4-Hydroxynonenal Metabolism. Antioxidants, 2020, 9, 150.	5.1	4
41	The Disposal of Reactive Carbonyl Species through Carnosine Conjugation: What We Know Now. Current Medicinal Chemistry, 2020, 27, 1726-1743.	2.4	9
42	Carnosine supplementation reduces plasma soluble transferrin receptor in healthy overweight or obese individuals: a pilot randomised trial. Amino Acids, 2019, 51, 73-81.	2.7	10
43	Pro-oxidant and pro-inflammatory effects of glycated albumin on cardiomyocytes. Free Radical Biology and Medicine, 2019, 144, 245-255.	2.9	28
44	Differentially Expressed Proteins in Primary Endothelial Cells Derived From Patients With Acute Myocardial Infarction. Hypertension, 2019, 74, 947-956.	2.7	10
45	Protective Effect of Tomato-Oleoresin Supplementation on Oxidative Injury Recoveries Cardiac Function by Improving β-Adrenergic Response in a Diet-Obesity Induced Model. Antioxidants, 2019, 8, 368.	5.1	16
46	Development and validation of a HPLC method for the direct separation of carnosine enantiomers and analogues in dietary supplements. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1126-1127, 121747.	2.3	5
47	Development of a direct ESI-MS method for measuring the tannin precipitation effect of proline-rich peptides and in silico studies on the proline role in tannin-protein interactions. FìtoterapĂ¬Ă¢, 2019, 136, 104163.	2.2	2
48	Colostrum from cows immunized with a veterinary vaccine against bovine rotavirus displays enhanced in vitro anti-human rotavirus activity. Journal of Dairy Science, 2019, 102, 4857-4869.	3.4	16
49	Phenolic profiles and anti-inflammatory activities of sixteen table grape (<i>Vitis vinifera</i> L.) varieties. Food and Function, 2019, 10, 1797-1807.	4.6	56
50	Ripe and Raw Pu-Erh Tea: LC-MS Profiling, Antioxidant Capacity and Enzyme Inhibition Activities of Aqueous and Hydro-Alcoholic Extracts. Molecules, 2019, 24, 473.	3.8	18
51	Advanced lipoxidation end products (ALEs) as RAGE binders: Mass spectrometric and computational studies to explain the reasons why. Redox Biology, 2019, 23, 101083.	9.0	33
52	Insights into the effects of N-glycosylation on the characteristics of the VC1 domain of the human receptor for advanced glycation end products (RAGE) secreted by Pichia pastoris. Glycoconjugate Journal, 2019, 36, 27-38.	2.7	5
53	Mass Spectrometry-based Label-free Quantitative Proteomics To Study the Effect of 3PO Drug at Cellular Level. ACS Medicinal Chemistry Letters, 2019, 10, 577-583.	2.8	4
54	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.	2.7	24

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55	FLâ€926â€16, a novel bioavailable carnosinaseâ€resistant carnosine derivative, prevents onset and stops progression of diabetic nephropathy in <i>db</i> / <i>db</i> mice. British Journal of Pharmacology, 2018, 175, 53-66.	5.4	32
56	Direct HPLC separation of carnosine enantiomers with two chiral stationary phases based on penicillamine and teicoplanin derivatives. Journal of Separation Science, 2018, 41, 1240-1246.	2.5	11
57	Data on thermal and hydrolytic stability of both domiphen bromide and para-bromodomiphen bromide. Data in Brief, 2018, 20, 1363-1366.	1.0	2
58	Carnosine Supplementation Improves Serum Resistin Concentrations in Overweight or Obese Otherwise Healthy Adults: A Pilot Randomized Trial. Nutrients, 2018, 10, 1258.	4.1	19
59	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. Free Radical Research, 2018, 52, 896-906.	3.3	7
60	N-Acetylcysteine as an antioxidant and disulphide breaking agent: the reasons why. Free Radical Research, 2018, 52, 751-762.	3.3	479
61	MS methods to study macromolecule-ligand interaction: Applications in drug discovery. Methods, 2018, 144, 152-174.	3.8	6
62	Stressed degradation studies of domiphen bromide by LC-ESI-MS/MS identify a novel promising antimicrobial agent. Journal of Pharmaceutical and Biomedical Analysis, 2018, 159, 224-228.	2.8	10
63	A carnosine analog mitigates metabolic disorders of obesity by reducing carbonyl stress. Journal of Clinical Investigation, 2018, 128, 5280-5293.	8.2	80
64	Carnosine Supplementation Reduces Plasma Soluble Transferrin Receptor in Healthy Overweight or Obese Individuals—A Pilot Randomised Trial. Diabetes, 2018, 67, .	0.6	0
65	Carnosine Supplementation Improves Serum Resistin Concentrations in Overweight or Obese but Otherwise Healthy Sedentary Adults—Results From Randomised Controlled Trial. Diabetes, 2018, 67, 777-P.	0.6	0
66	A capture method based on the VC1 domain reveals new binding properties of the human receptor for advanced glycation end products (RAGE). Redox Biology, 2017, 11, 275-285.	9.0	16
67	Regulatory landscape of AGE-RAGE-oxidative stress axis and its modulation by PPARÎ ³ activation in high fructose diet-induced metabolic syndrome. Nutrition and Metabolism, 2017, 14, 5.	3.0	29
68	Enzymatic and non-enzymatic detoxification of 4-hydroxynonenal: Methodological aspects and biological consequences. Free Radical Biology and Medicine, 2017, 111, 328-344.	2.9	60
69	Pharmacokinetic profile of bilberry anthocyanins in rats and the role of glucose transporters: LC–MS/MS and computational studies. Journal of Pharmaceutical and Biomedical Analysis, 2017, 144, 112-121.	2.8	32
70	Carnosine Attenuates the Development of both Type 2 Diabetes and Diabetic Nephropathy in BTBR ob/ob Mice. Scientific Reports, 2017, 7, 44492.	3.3	100
71	Quenching activity of carnosine derivatives towards reactive carbonyl species: Focus on αâ^'(methylglyoxal) and βâ^'(malondialdehyde) dicarbonyls. Biochemical and Biophysical Research Communications, 2017, 492, 487-492.	2.1	26
72	Key factors regulating protein carbonylation by α,β unsaturated carbonyls: A structural study based on a retrospective meta-analysis. Biophysical Chemistry, 2017, 230, 20-26.	2.8	3

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73	Effect of carnosine supplementation on the plasma lipidome in overweight and obese adults: a pilot randomised controlled trial. Scientific Reports, 2017, 7, 17458.	3.3	23
74	LC-MS/MS Identification of Species-Specific Muscle Peptides in Processed Animal Proteins. Journal of Agricultural and Food Chemistry, 2017, 65, 10638-10650.	5.2	13
75	Adduct Formation and Context Factors in Drug Hypersensitivity: Insight from Proteomic Studies. Current Pharmaceutical Design, 2017, 22, 6748-6758.	1.9	13
76	Targeting Reactive Carbonyl Species with Natural Sequestering Agents. Molecules, 2016, 21, 280.	3.8	22
77	Effects of carnosine supplementation on glucose metabolism: Pilot clinical trial. Obesity, 2016, 24, 1027-1034.	3.0	116
78	Reactivity, Selectivity, and Reaction Mechanisms of Aminoguanidine, Hydralazine, Pyridoxamine, and Carnosine as Sequestering Agents of Reactive Carbonyl Species: A Comparative Study. ChemMedChem, 2016, 11, 1778-1789.	3.2	57
79	A carnosine intervention study in overweight human volunteers: bioavailability and reactive carbonyl species sequestering effect. Scientific Reports, 2016, 6, 27224.	3.3	53
80	Albumin Cys34 adducted by acrolein as a marker of oxidative stress in ischemia-reperfusion injury during hepatectomy. Free Radical Research, 2016, 50, 831-839.	3.3	13
81	Computational approaches in the rational design of improved carbonyl quenchers: focus on histidine containing dipeptides. Future Medicinal Chemistry, 2016, 8, 1721-1737.	2.3	21
82	Set-up and application of an analytical approach for the quality control of purified colostrum as food supplement. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1028, 130-144.	2.3	4
83	An in depth proteomic analysis based on ProteoMiner, affinity chromatography and nano-HPLC–MS/MS to explain the potential health benefits of bovine colostrum. Journal of Pharmaceutical and Biomedical Analysis, 2016, 121, 297-306.	2.8	17
84	Coffee silver skin as a source of polyphenols: High resolution mass spectrometric profiling of components and antioxidant activity. Journal of Functional Foods, 2016, 20, 472-485.	3.4	53
85	Extracellular thermostable proteolytic activity of the milk spoilage bacterium Pseudomonas fluorescens PS19 on bovine caseins. Journal of Dairy Science, 2016, 99, 4188-4195.	3.4	22
86	Serum albumin as a probe for testing the selectivity of irreversible cysteine protease inhibitors: The case of vinyl sulfones. Journal of Pharmaceutical and Biomedical Analysis, 2016, 124, 294-302.	2.8	6
87	Physiological and therapeutic effects of carnosine on cardiometabolic risk and disease. Amino Acids, 2016, 48, 1131-1149.	2.7	63
88	A method to produce fully characterized ubiquitin covalently modified by 4-hydroxy-nonenal, glyoxal, methylglyoxal, and malondialdehyde. Free Radical Research, 2016, 50, 328-336.	3.3	9
89	The secrets of Oriental panacea: Panax ginseng. Journal of Proteomics, 2016, 130, 150-159.	2.4	18
90	Foam cellâ€derived 4â€hydroxynonenal induces endothelial cell senescence in a <scp>TXNIP</scp> â€dependent manner. Journal of Cellular and Molecular Medicine, 2015, 19, 1887-1899.	3.6	42

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91	An improved expression system for the VC1 ligand binding domain of the receptor for advanced glycation end products in Pichia pastoris. Protein Expression and Purification, 2015, 114, 48-57.	1.3	8
92	Protein lipoxidation: Detection strategies and challenges. Redox Biology, 2015, 5, 253-266.	9.0	75
93	Plasma carnosine, but not muscle carnosine, attenuates high-fat diet-induced metabolic stress. Applied Physiology, Nutrition and Metabolism, 2015, 40, 868-876.	1.9	18
94	CHAPTER 8. Carnosine and Derivatives as Inhibitors of Protein Covalent Modifications Induced by Reactive Carbonyl Species. Food and Nutritional Components in Focus, 2015, , 139-169.	0.1	8
95	Muscle Carnosine Is Associated with Cardiometabolic Risk Factors in Humans. PLoS ONE, 2015, 10, e0138707.	2.5	29
96	Biological functions of histidine-dipeptides and metabolic syndrome. Nutrition Research and Practice, 2014, 8, 3.	1.9	45
97	Bioavailability of plant pigment phytochemicals in <i>Angelica keiskei</i> in older adults: A pilot absorption kinetic study. Nutrition Research and Practice, 2014, 8, 550.	1.9	9
98	Fat-Soluble Bioactive Components in Colored Rice Varieties. Journal of Medicinal Food, 2014, 17, 1134-1141.	1.5	20
99	Pathophysiology of tobacco smoke exposure: Recent insights from comparative and redox proteomics. Mass Spectrometry Reviews, 2014, 33, 183-218.	5.4	39
100	A novel high resolution MS approach for the screening of 4-hydroxy-trans-2-nonenal sequestering agents. Journal of Pharmaceutical and Biomedical Analysis, 2014, 91, 108-118.	2.8	17
101	Online Microreactor Titanium Dioxide RPLC-LTQ-Orbitrap MS Automated Platform for Shotgun Analysis of (Phospho) Proteins in Human Amniotic Fluid. Chromatographia, 2014, 77, 39-50.	1.3	2
102	Novel molecular approaches for improving enzymatic and nonenzymatic detoxification of 4-hydroxynonenal: toward the discovery of a novel class of bioactive compounds. Free Radical Biology and Medicine, 2014, 69, 145-156.	2.9	36
103	Mass Spectrometric Strategies for the Identification and Characterization of Human Serum Albumin Covalently Adducted by Amoxicillin: <i>Ex Vivo</i> Studies. Chemical Research in Toxicology, 2014, 27, 1566-1574.	3.3	29
104	Advanced glycation end products of beta2-microglobulin in uremic patients as determined by high resolution mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2014, 91, 193-201.	2.8	7
105	Oxidative Stress and Chronic Renal Disease $\hat{a} \in$ Clinical Aspects. , 2014, , 2625-2644.		1
106	Molecular strategies to prevent, inhibit, and degrade advanced glycoxidation and advanced lipoxidation end products. Free Radical Research, 2013, 47, 93-137.	3.3	132
107	Separation and characterisation of beta2-microglobulin folding conformers by ion-exchange liquid chromatography and ion-exchange liquid chromatography–mass spectrometry. Analytica Chimica Acta, 2013, 771, 108-114.	5.4	16
108	Human serum albumin cysteinylation is increased in end stage renal disease patients and reduced by hemodialysis: mass spectrometry studies. Free Radical Research, 2013, 47, 172-180.	3.3	45

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109	Advanced glycoxidation and lipoxidation end products (AGEs and ALEs): an overview of their mechanisms of formation. Free Radical Research, 2013, 47, 3-27.	3.3	602
110	Physiology and Pathophysiology of Carnosine. Physiological Reviews, 2013, 93, 1803-1845.	28.8	763
111	Exploring the space of histidine containing dipeptides in search ofÂnovel efficient RCS sequestering agents. European Journal of Medicinal Chemistry, 2013, 66, 153-160.	5.5	15
112	Lemon peel and Limoncello liqueur: A proteomic duet. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 1484-1491.	2.3	14
113	Special issue on "AGEs and ALEs: chemistry, physiopathology and molecular strategies for their inhibitionâ€: Free Radical Research, 2013, 47, 1-2.	3.3	1
114	Mass spectrometric approaches for the identification and quantification of reactive carbonyl species protein adducts. Journal of Proteomics, 2013, 92, 28-50.	2.4	47
115	Novel Therapeutic Strategy to Prevent Chemotherapy-Induced Persistent Sensory Neuropathy By TRPA1 Blockade. Cancer Research, 2013, 73, 3120-3131.	0.9	151
116	γâ€Oryzanol inhibits the adipogenesis of adiposeâ€derived human mesenchymal stem cells. FASEB Journal, 2013, 27, lb246.	0.5	0
117	Low plasma carnosinase activity promotes carnosinemia after carnosine ingestion in humans. American Journal of Physiology - Renal Physiology, 2012, 302, F1537-F1544.	2.7	71
118	Protein haptenation by amoxicillin: High resolution mass spectrometry analysis and identification of target proteins in serum. Journal of Proteomics, 2012, 77, 504-520.	2.4	71
119	Dâ€carnosine octylester attenuates atherosclerosis and renal disease in ApoE null mice fed a Western diet through reduction of carbonyl stress and inflammation. British Journal of Pharmacology, 2012, 166, 1344-1356.	5.4	72
120	Molecular Recognition of T:G Mismatched Base Pairs in DNA as Studied by Electrospray Ionization Mass Spectrometry. ChemMedChem, 2012, 7, 1112-1122.	3.2	5
121	Transforming dietary peptides in promising lead compounds: the case of bioavailable carnosine analogs. Amino Acids, 2012, 43, 111-126.	2.7	29
122	Oxidative damage in human gingival fibroblasts exposed to cigarette smoke. Free Radical Biology and Medicine, 2012, 52, 1584-1596.	2.9	73
123	Editorial [Hot Topic: Advanced Analytical Strategies for Recombinant Therapeutic Proteins (Guest) Tj ETQq1 1	0.784314 rg	gBT ₂ /Overlo <mark>ck</mark>
124	What We Know About Oxidative Stress in Patients with Chronic Kidney Disease on Dialysis—Clinical Effects, Potential Treatment, and Prevention. Seminars in Dialysis, 2011, 24, 56-64.	1.3	94
125	The carbonyl scavenger carnosine ameliorates dyslipidaemia and renal function in Zucker obese rats. Journal of Cellular and Molecular Medicine, 2011, 15, 1339-1354.	3.6	159
126	Urinary profile of methylprednisolone acetate metabolites in patients following intra-articular and intramuscular administration. Analytical and Bioanalytical Chemistry, 2011, 400, 255-267.	3.7	17

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127	Screening of fibrillogenesis inhibitors of β2-microglobulin: Integrated strategies by mass spectrometry capillary electrophoresis and in silico simulations. Analytica Chimica Acta, 2011, 685, 153-161.	5.4	17
128	Fragmental modeling of hPepT2 and analysis of its binding features by docking studies and pharmacophore mapping. Bioorganic and Medicinal Chemistry, 2011, 19, 4544-4551.	3.0	6
129	An integrated high resolution mass spectrometric and informatics approach for the rapid identification of phenolics in plant extract. Journal of Chromatography A, 2011, 1218, 2856-2864.	3.7	31
130	Methylprednisoloneâ€loaded PLGA microspheres: A new formulation for sustained release via intraâ€articular administration. A comparison study with methylprednisolone acetate in rats. Journal of Pharmaceutical Sciences, 2011, 100, 4580-4586.	3.3	15
131	Protein modification by acrolein: Relevance to pathological conditions and inhibition by aldehyde sequestering agents. Molecular Nutrition and Food Research, 2011, 55, 1301-1319.	3.3	67
132	Design, Synthesis, ADME Properties, and Pharmacological Activities of βâ€Alanylâ€ <scp>D</scp> â€histidine (<scp>D</scp> â€Carnosine) Prodrugs with Improved Bioavailability. ChemMedChem, 2011, 6, 1269-1282.	3.2	39
133	Mass Spectrometric Strategies and Their Applications for Molecular Mass Determination of Recombinant Therapeutic Proteins. Current Pharmaceutical Biotechnology, 2011, 12, 1548-1557.	1.6	17
134	Fibrosis, Enzymatic and Non-Enzymatic Cross-Links in Hypertensive Heart Disease. Cardiovascular & Hematological Disorders Drug Targets, 2011, 11, 61-73.	0.7	10
135	Protein Carbonylation. Antioxidants and Redox Signaling, 2010, 12, 323-325.	5.4	311
136	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. Journal of Pharmaceutical and Biomedical Analysis, 2010, 51, 691-697.	2.8	15
137	Profiling histidine dipeptides in plasma and urine after ingesting beef, chicken or chicken broth in humans. Amino Acids, 2010, 38, 847-858.	2.7	75
138	A Combined Highâ€Resolution Mass Spectrometric and inâ€silico Approach for the Characterisation of Small Ligands of β ₂ â€Microglobulin. ChemMedChem, 2010, 5, 1015-1025.	3.2	10
139	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.	4.2	24
140	Composition and stability of phytochemicals in five varieties of black soybeans (Glycine max). Food Chemistry, 2010, 123, 1176-1184.	8.2	51
141	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. Rapid Communications in Mass Spectrometry, 2010, 24, 1583-1594.	1.5	18
142	Acetaminophen, <i>via</i> its reactive metabolite <i>N</i> -acetyl- <i>p</i> -benzo-quinoneimine and transient receptor potential ankyrin-1 stimulation, causes neurogenic inflammation in the airways and other tissues in rodents. FASEB Journal, 2010, 24, 4904-4916.	0.5	102
143	Preservation of endothelium nitric oxide release during beating heart surgery with respect to continuous flow cardiopulmonary bypass. Perfusion (United Kingdom), 2010, 25, 57-64.	1.0	12
144	The potential of resveratrol against human gliomas. Anti-Cancer Drugs, 2010, 21, 140-150.	1.4	49

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145	Antioxidant Activity of Solid Olive Oil Residues from Olea europaea â€~Coratina' Cultivar. , 2010, , 943-949.		0
146	Water-Soluble α,β-Unsaturated Aldehydes of Cigarette Smoke Induce Carbonylation of Human Serum Albumin. Antioxidants and Redox Signaling, 2010, 12, 349-364.	5.4	68
147	Les Maîtres de l'Orge: The Proteome Content of Your Beer Mug. Journal of Proteome Research, 2010, 9, 5262-5269.	3.7	72
148	l" ¹² -Prostaglandin J ₂ as a Product and Ligand of Human Serum Albumin: Formation of an Unusual Covalent Adduct at His146. Journal of the American Chemical Society, 2010, 132, 824-832.	13.7	62
149	Edaravone Inhibits Protein Carbonylation by a Direct Carbonyl-Scavenging Mechanism: Focus on Reactivity, Selectivity, and Reaction Mechanisms. Antioxidants and Redox Signaling, 2010, 12, 381-392.	5.4	32
150	Acetaminophen,viaits reactive metabolite Nâ€acetylâ€pâ€benzoâ€quinoneimine and transient receptor potential ankyrinâ€1 stimulation, causes neurogenic inflammation in the airways and other tissues in rodents. FASEB Journal, 2010, 24, 4904-4916.	0.5	19
151	Synergistic interactions of antioxidant nutrients in a biological model system. Nutrition, 2009, 25, 839-846.	2.4	65
152	Protein carbonylation: 2,4-dinitrophenylhydrazine reacts with both aldehydes/ketones and sulfenic acids. Free Radical Biology and Medicine, 2009, 46, 1411-1419.	2.9	76
153	Design, Synthesis, and Evaluation of Carnosine Derivatives as Selective and Efficient Sequestering Agents of Cytotoxic Reactive Carbonyl Species. ChemMedChem, 2009, 4, 967-975.	3.2	55
154	Hemoglobin glutathionylation can occur through cysteine sulfenic acid intermediate: Electrospray ionization LTQ-Orbitrap hybrid mass spectrometry studies. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 3456-3461.	2.3	27
155	Searching for allergens in maize kernels via proteomic tools. Journal of Proteomics, 2009, 72, 501-510.	2.4	64
156	En bloc elution of proteomes from combinatorial peptide ligand libraries. Journal of Proteomics, 2009, 72, 725-730.	2.4	19
157	Characterisation, extraction efficiency, stability and antioxidant activity of phytonutrients in Angelica keiskei. Food Chemistry, 2009, 115, 227-232.	8.2	33
158	Antioxidant/Pro-oxidant Actions of Carotenoids. , 2009, , 235-268.		35
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