

Giancarlo Aldini

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216
papers

8,901
citations

54
h-index

87
g-index

241
ext. papers

10,122
ext. citations

4.9
avg, IF

5.99
L-index

#	Paper	IF	Citations
216	Protein carbonylation, cellular dysfunction, and disease progression. <i>Journal of Cellular and Molecular Medicine</i> , 2006 , 10, 389-406	5.6	589
215	Physiology and pathophysiology of carnosine. <i>Physiological Reviews</i> , 2013 , 93, 1803-45	47.9	539
214	Advanced glycoxidation and lipoxidation end products (AGEs and ALEs): an overview of their mechanisms of formation. <i>Free Radical Research</i> , 2013 , 47 Suppl 1, 3-27	4	441
213	N-Acetylcysteine as an antioxidant and disulphide breaking agent: the reasons why. <i>Free Radical Research</i> , 2018 , 52, 751-762	4	264
212	Intervention strategies to inhibit protein carbonylation by lipoxidation-derived reactive carbonyls. <i>Medicinal Research Reviews</i> , 2007 , 27, 817-68	14.4	222
211	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	11	158
210	Biomarkers of antioxidant capacity in the hydrophilic and lipophilic compartments of human plasma. <i>Archives of Biochemistry and Biophysics</i> , 2004 , 430, 97-103	4.1	156
209	Carnosine and related dipeptides as quenchers of reactive carbonyl species: from structural studies to therapeutic perspectives. <i>BioFactors</i> , 2005 , 24, 77-87	6.1	150
208	Carnosine is a quencher of 4-hydroxy-nonenal: through what mechanism of reaction?. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 298, 699-706	3.4	132
207	The carbonyl scavenger carnosine ameliorates dyslipidaemia and renal function in Zucker obese rats. <i>Journal of Cellular and Molecular Medicine</i> , 2011 , 15, 1339-54	5.6	124
206	S-nitrosation versus S-glutathionylation of protein sulphhydryl groups by S-nitrosoglutathione. <i>Antioxidants and Redox Signaling</i> , 2005 , 7, 930-9	8.4	118
205	Novel therapeutic strategy to prevent chemotherapy-induced persistent sensory neuropathy by TRPA1 blockade. <i>Cancer Research</i> , 2013 , 73, 3120-31	10.1	117
204	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, 720-4	4.3	114
203	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, 2883-98	6.8	111
202	Molecular strategies to prevent, inhibit, and degrade advanced glycoxidation and advanced lipoxidation end products. <i>Free Radical Research</i> , 2013 , 47 Suppl 1, 93-137	4	109
201	Modification of lymphocyte DNA damage by carotenoid supplementation in postmenopausal women. <i>American Journal of Clinical Nutrition</i> , 2006 , 83, 163-9	7	105
200	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	3.1	102

199	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, 510-4	3.1	95
198	Mass spectrometric characterization of covalent modification of human serum albumin by 4-hydroxy-trans-2-nonenal. <i>Journal of Mass Spectrometry</i> , 2006 , 41, 1149-61	2.2	94
197	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, 4904-16	0.9	92
196	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, 824-35	4	88
195	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, 1250-7	12.7	82
194	A method to measure the oxidizability of both the aqueous and lipid compartments of plasma. <i>Free Radical Biology and Medicine</i> , 2001 , 31, 1043-50	7.8	82
193	Effects of carnosine supplementation on glucose metabolism: Pilot clinical trial. <i>Obesity</i> , 2016 , 24, 1027-84		81
192	Actin Cys374 as a nucleophilic target of alpha,beta-unsaturated aldehydes. <i>Free Radical Biology and Medicine</i> , 2007 , 42, 583-98	7.8	76
191	Diet enriched with procyanidins enhances antioxidant activity and reduces myocardial post-ischaemic damage in rats. <i>Life Sciences</i> , 1999 , 64, 627-42	6.8	76
190	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	2.5	74
189	Protein carbonylation: 2,4-dinitrophenylhydrazine reacts with both aldehydes/ketones and sulfenic acids. <i>Free Radical Biology and Medicine</i> , 2009 , 46, 1411-9	7.8	72
188	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, 614-9	3.1	72
187	Identification of actin as a 15-deoxy-Delta12,14-prostaglandin J2 target in neuroblastoma cells: mass spectrometric, computational, and functional approaches to investigate the effect on cytoskeletal derangement. <i>Biochemistry</i> , 2007 , 46, 2707-18	3.2	70
186	Lipoxidation-derived reactive carbonyl species as potential drug targets in preventing protein carbonylation and related cellular dysfunction. <i>ChemMedChem</i> , 2006 , 1, 1045-58	3.7	69
185	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, 1689-94	11.5	69
184	Carnosine Attenuates the Development of both Type 2 Diabetes and Diabetic Nephropathy in BTBR ob/ob Mice. <i>Scientific Reports</i> , 2017 , 7, 44492	4.9	68
183	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	2.2	68
182	Characterization of phenolic antioxidants from Mat*(Ilex Paraguayensis) by liquid chromatography/mass spectrometry and liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1998 , 12, 1813-1819	2.2	67

181	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, 517-26	3.5	66
180	HNE Michael adducts to histidine and histidine-containing peptides as biomarkers of lipid-derived carbonyl stress in urines: LC-MS/MS profiling in Zucker obese rats. <i>Analytical Chemistry</i> , 2007 , 79, 9174-84	7.8	65
179	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, 946-54	2.2	65
178	Oxidative damage in human gingival fibroblasts exposed to cigarette smoke. <i>Free Radical Biology and Medicine</i> , 2012 , 52, 1584-96	7.8	64
177	Protein modification by acrolein: relevance to pathological conditions and inhibition by aldehyde sequestering agents. <i>Molecular Nutrition and Food Research</i> , 2011 , 55, 1301-19	5.9	64
176	Les Mères de l'Orge: the proteome content of your beer mug. <i>Journal of Proteome Research</i> , 2010 , 9, 5262-9	5.6	63
175	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, 109-18	3.2	63
174	Profiling histidine dipeptides in plasma and urine after ingesting beef, chicken or chicken broth in humans. <i>Amino Acids</i> , 2010 , 38, 847-58	3.5	62
173	Protein haptation by amoxicillin: high resolution mass spectrometry analysis and identification of target proteins in serum. <i>Journal of Proteomics</i> , 2012 , 77, 504-20	3.9	61
172	Water-Soluble alpha,beta-unsaturated aldehydes of cigarette smoke induce carbonylation of human serum albumin. <i>Antioxidants and Redox Signaling</i> , 2010 , 12, 349-64	8.4	61
171	Protein lipoxidation: Detection strategies and challenges. <i>Redox Biology</i> , 2015 , 5, 253-266	11.3	60
170	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, 1219-28	2.2	60
169	Searching for allergens in maize kernels via proteomic tools. <i>Journal of Proteomics</i> , 2009 , 72, 501-10	3.9	59
168	Fluorescent probes as markers of oxidative stress in keratinocyte cell lines following UVB exposure. <i>Il Farmaco</i> , 2000 , 55, 526-34		58
167	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, 1470-81	2.2	56
166	D-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, 1344-56	8.6	55
165	Delta12-prostaglandin J2 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, 824-32	16.4	55
164	Profiling histidine-containing dipeptides in rat tissues by liquid chromatography/electrospray ionization tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2004 , 39, 1417-28	2.2	55

163	Synergistic interactions of antioxidant nutrients in a biological model system. <i>Nutrition</i> , 2009 , 25, 839-464.8	53
162	Low plasma carnosinase activity promotes carnosinemia after carnosine ingestion in humans. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 302, F1537-44	4.3 53
161	Sparing effect of procyanidins from <i>Vitis vinifera</i> on vitamin E: in vitro studies. <i>Planta Medica</i> , 1998 , 64, 343-7	3.1 53
160	The activities of antioxidant nutrients in human plasma depend on the localization of attacking radical species. <i>Journal of Nutrition</i> , 2003 , 133, 2688-91	4.1 52
159	UVB-induced hemolysis of rat erythrocytes: protective effect of procyanidins from grape seeds. <i>Life Sciences</i> , 2000 , 67, 1799-814	6.8 52
158	Total antioxidant performance: a validated fluorescence assay for the measurement of plasma oxidizability. <i>Analytical Biochemistry</i> , 2006 , 354, 290-8	3.1 50
157	Design, synthesis, and evaluation of carnosine derivatives as selective and efficient sequestering agents of cytotoxic reactive carbonyl species. <i>ChemMedChem</i> , 2009 , 4, 967-75	3.7 49
156	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, 509-18	3.5 49
155	A carnosine analog mitigates metabolic disorders of obesity by reducing carbonyl stress. <i>Journal of Clinical Investigation</i> , 2018 , 128, 5280-5293	15.9 47
154	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, 1778-89	3.7 46
153	Physiological and therapeutic effects of carnosine on cardiometabolic risk and disease. <i>Amino Acids</i> , 2016 , 48, 1131-49	3.5 44
152	Designing experiments to optimise and validate the adsorptive stripping voltammetric determination of nimesulide. <i>Analytica Chimica Acta</i> , 2000 , 413, 229-239	6.6 44
151	Composition and stability of phytochemicals in five varieties of black soybeans (<i>Glycine max</i>). <i>Food Chemistry</i> , 2010 , 123, 1176-1184	8.5 43
150	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, 1160-8	2.2 42
149	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	5.1 41
148	Mass spectrometric approaches for the identification and quantification of reactive carbonyl species protein adducts. <i>Journal of Proteomics</i> , 2013 , 92, 28-50	3.9 41
147	The potential of resveratrol against human gliomas. <i>Anti-Cancer Drugs</i> , 2010 , 21, 140-50	2.4 41
146	Enzymatic and non-enzymatic detoxification of 4-hydroxynonenal: Methodological aspects and biological consequences. <i>Free Radical Biology and Medicine</i> , 2017 , 111, 328-344	7.8 39

145	A carnosine intervention study in overweight human volunteers: bioavailability and reactive carbonyl species sequestering effect. <i>Scientific Reports</i> , 2016 , 6, 27224	4.9	39
144	Biological functions of histidine-dipeptides and metabolic syndrome. <i>Nutrition Research and Practice</i> , 2014 , 8, 3-10	2.1	38
143	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, 201-11	3.5	37
142	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, 172-80	4	36
141	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, 1061-71	3.5	36
140	Design, synthesis, ADME properties, and pharmacological activities of β -lanyl-D-histidine (D-carnosine) prodrugs with improved bioavailability. <i>ChemMedChem</i> , 2011 , 6, 1269-82	3.7	35
139	Phenolic profiles and anti-inflammatory activities of sixteen table grape (<i>Vitis vinifera</i> L.) varieties. <i>Food and Function</i> , 2019 , 10, 1797-1807	6.1	34
138	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, 3269-77	8.3	33
137	Foam cell-derived 4-hydroxynonenal induces endothelial cell senescence in a TXNIP-dependent manner. <i>Journal of Cellular and Molecular Medicine</i> , 2015 , 19, 1887-99	5.6	32
136	Nitric oxide release and distribution following oral and intraperitoneal administration of nitroaspirin (NCX 4016) in the rat. <i>Life Sciences</i> , 2004 , 74, 3291-305	6.8	32
135	Pathophysiology of tobacco smoke exposure: recent insights from comparative and redox proteomics. <i>Mass Spectrometry Reviews</i> , 2014 , 33, 183-218	11	31
134	Antioxidant activity of polyphenols from solid olive residues of c.v. Coratina. <i>Floterapia</i> 2006 , 77, 121-8	3.2	31
133	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, 145-56	7.8	30
132	Characterisation, extraction efficiency, stability and antioxidant activity of phytonutrients in <i>Angelica keiskei</i> . <i>Food Chemistry</i> , 2009 , 115, 227-232	8.5	30
131	Antioxidant and photoprotective activity of a lipophilic extract containing neolignans from <i>Krameria triandra</i> roots. <i>Planta Medica</i> , 2002 , 68, 193-7	3.1	30
130	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, 2856-64	4.5	29
129	(-)-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, 409-14	3.4	28
128	Antioxidant/Pro-oxidant Actions of Carotenoids 2009 , 235-268		26

127	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, 381-92	8.4	25
126	Alpha,beta-unsaturated aldehydes adducts to actin and albumin as potential biomarkers of carbonylation damage. <i>Redox Report</i> , 2007 , 12, 20-5	5.9	25
125	Transforming dietary peptides in promising lead compounds: the case of bioavailable carnosine analogs. <i>Amino Acids</i> , 2012 , 43, 111-26	3.5	24
124	Muscle Carnosine Is Associated with Cardiometabolic Risk Factors in Humans. <i>PLoS ONE</i> , 2015 , 10, e0138797	3.7	24
123	Mass spectrometric strategies for the identification and characterization of human serum albumin covalently adducted by amoxicillin: ex vivo studies. <i>Chemical Research in Toxicology</i> , 2014 , 27, 1566-74	4	22
122	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, 3456-61	3.2	22
121	Supplementation with lutein or lutein plus green tea extracts does not change oxidative stress in adequately nourished older adults. <i>Journal of Nutritional Biochemistry</i> , 2010 , 21, 544-9	6.3	22
120	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, 714-7	3.1	22
119	FL-926-16, 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	8.6	21
118	Quenching activity of carnosine derivatives towards reactive carbonyl species: Focus on α (methylglyoxal) and α (malondialdehyde) dicarbonyls. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 492, 487-492	3.4	21
117	Modeling of the intestinal peptide transporter hPepT1 and analysis of its transport capacities by docking and pharmacophore mapping. <i>ChemMedChem</i> , 2008 , 3, 1913-21	3.7	21
116	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, 277-87	3.5	21
115	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	11.3	21
114	Regulatory landscape of AGE-RAGE-oxidative stress axis and its modulation by PPAR α activation in high fructose diet-induced metabolic syndrome. <i>Nutrition and Metabolism</i> , 2017 , 14, 5	4.6	20
113	Scavenging of free radicals by tenoxicam: a participating mechanism in the antirheumatic/antiinflammatory efficacy of the drug. <i>Archiv Der Pharmazie</i> , 1996 , 329, 457-63	4.3	20
112	Extracellular thermostable proteolytic activity of the milk spoilage bacterium <i>Pseudomonas fluorescens</i> PS19 on bovine caseins. <i>Journal of Dairy Science</i> , 2016 , 99, 4188-4195	4	19
111	Effects of UVB radiation on 4-hydroxy-2-trans-nonenal metabolism and toxicity in human keratinocytes. <i>Chemical Research in Toxicology</i> , 2007 , 20, 416-23	4	19
110	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	3.5	18

109	High-performance liquid chromatographic determination of flavonoid glucosides from <i>Helichrysum italicum</i> . <i>Journal of Chromatography A</i> , 1991 , 537, 449-452	4.5	18
108	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	3.5	18
107	Computational approaches in the rational design of improved carbonyl quenchers: focus on histidine containing dipeptides. <i>Future Medicinal Chemistry</i> , 2016 , 8, 1721-37	4.1	17
106	Fat-soluble bioactive components in colored rice varieties. <i>Journal of Medicinal Food</i> , 2014 , 17, 1134-41	2.8	17
105	En bloc elution of proteomes from combinatorial peptide ligand libraries. <i>Journal of Proteomics</i> , 2009 , 72, 725-30	3.9	17
104	Metabolic profile of NO-flurbiprofen (HCT1026) in rat brain and plasma: a LC-MS study. <i>Life Sciences</i> , 2002 , 71, 1487-500	6.8	17
103	Silkworm pupae as source of high-value edible proteins and of bioactive peptides. <i>Food Science and Nutrition</i> , 2020 , 8, 2652-2661	3.2	16
102	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, 108-18	3.5	16
101	Urinary profile of methylprednisolone acetate metabolites in patients following intra-articular and intramuscular administration. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 400, 255-67	4.4	16
100	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, 326-30	3.1	16
99	Targeting Reactive Carbonyl Species with Natural Sequestering Agents. <i>Molecules</i> , 2016 , 21, 280	4.8	16
98	Plasma carnosine, but not muscle carnosine, attenuates high-fat diet-induced metabolic stress. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015 , 40, 868-76	3	15
97	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	3.5	15
96	The secrets of Oriental panacea: Panax ginseng. <i>Journal of Proteomics</i> , 2016 , 130, 150-9	3.9	15
95	Pro-oxidant and pro-inflammatory effects of glycated albumin on cardiomyocytes. <i>Free Radical Biology and Medicine</i> , 2019 , 144, 245-255	7.8	15
94	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	6	15
93	Separation and characterisation of beta2-microglobulin folding conformers by ion-exchange liquid chromatography and ion-exchange liquid chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2013 , 771, 108-14	6.6	14
92	Lemon peel and Limoncello liqueur: a proteomic duet. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013 , 1834, 1484-91	4	14

91	Screening of fibrillogenesis inhibitors of β -microglobulin: integrated strategies by mass spectrometry capillary electrophoresis and in silico simulations. <i>Analytica Chimica Acta</i> , 2011 , 685, 153-61	6.6	14
90	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, 4580-6	3.9	14
89	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, 1583-94	2.2	14
88	Lipid Peroxidation in Atherosclerotic Cardiovascular Diseases. <i>Antioxidants and Redox Signaling</i> , 2021 , 34, 49-98	8.4	14
87	Exploring the space of histidine containing dipeptides in search of novel efficient RCS sequestering agents. <i>European Journal of Medicinal Chemistry</i> , 2013 , 66, 153-60	6.8	13
86	Effect of carnosine supplementation on the plasma lipidome in overweight and obese adults: a pilot randomised controlled trial. <i>Scientific Reports</i> , 2017 , 7, 17458	4.9	13
85	Electron Paramagnetic Resonance (EPR) Spectroscopy: A Versatile and Powerful Tool in Pharmaceutical and Biomedical Analysis. <i>Current Pharmaceutical Analysis</i> , 2006 , 2, 141-159	0.6	13
84	Nitrosylhemoglobin formation after infusion of NO solutions: ESR studies in pigs. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 318, 405-14	3.4	13
83	Mass spectrometric strategies and their applications for molecular mass determination of recombinant therapeutic proteins. <i>Current Pharmaceutical Biotechnology</i> , 2011 , 12, 1548-57	2.6	13
82	Carnosine Supplementation Improves Serum Resistin Concentrations in Overweight or Obese Otherwise Healthy Adults: A Pilot Randomized Trial. <i>Nutrients</i> , 2018 , 10,	6.7	13
81	A capture method based on the VC1 domain reveals new binding properties of the human receptor for advanced glycation end products (RAGE). <i>Redox Biology</i> , 2017 , 11, 275-285	11.3	12
80	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,	4.8	12
79	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, 691-7	3.5	11
78	Albumin Cys34 adducted by acrolein as a marker of oxidative stress in ischemia-reperfusion injury during hepatectomy. <i>Free Radical Research</i> , 2016 , 50, 831-9	4	11
77	Activation Effects of Carnosine- and Histidine-Containing Dipeptides on Human Carbonic Anhydrases: A Comprehensive Study. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	10
76	LC-MS/MS Identification of Species-Specific Muscle Peptides in Processed Animal Proteins. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 10638-10650	5.7	10
75	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	1.9	10
74	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	3.4	10

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