

Giancarlo Aldini

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | The ergogenic effect of acute carnosine and anserine supplementation: dosing, timing, and underlying mechanism. <i>Journal of the International Society of Sports Nutrition</i> , 2022 , 19, 70-91 | 4.5 | 1 |
| 215 | Understanding the antioxidant and carbonyl sequestering activity of carnosine: direct and indirect mechanisms. <i>Free Radical Research</i> , 2021 , 55, 321-330 | 4 | 7 |
| 214 | Amoxicillin Haptentation of -Enolase is Modulated by Active Site Occupancy and Acetylation.. <i>Frontiers in Pharmacology</i> , 2021 , 12, 807742 | 5.6 | |
| 213 | Novel insights about albumin in cardiovascular diseases: Focus on heart failure. <i>Mass Spectrometry Reviews</i> , 2021 , e21743 | 11 | 2 |
| 212 | Differentially expressed proteins obtained by label-free quantitative proteomic analysis reveal affected biological processes and functions in Western diet-induced steatohepatitis. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021 , 35, 1-11 | 3.4 | 0 |
| 211 | Protocol Optimization of Proteomic Analysis of Korean Ginseng (<i>Panax ginseng</i> Meyer). <i>Separations</i> , 2021 , 8, 53 | 3.1 | 0 |
| 210 | 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 | 11.3 | 9 |
| 209 | PHoral: Effects of carnosine supplementation on quantity/quality of oral salivae in healthy volunteer and in subjects affected by common oral pathologies. <i>Medicine (United States)</i> , 2021 , 100, e26369 | 11.8 | 0 |
| 208 | Lipid Peroxidation in Atherosclerotic Cardiovascular Diseases. <i>Antioxidants and Redox Signaling</i> , 2021 , 34, 49-98 | 8.4 | 14 |
| 207 | Analytical Profile and Antioxidant and Anti-Inflammatory Activities of the Enriched Polyphenol Fractions Isolated from Bergamot Fruit and Leave. <i>Antioxidants</i> , 2021 , 10, | 7.1 | 9 |
| 206 | (Z)-5-(3,4-Bis(benzyloxy)benzylidene)furan-2(5H)-one. <i>MolBank</i> , 2021 , 2021, M1193 | 0.5 | 0 |
| 205 | In-Depth AGE and ALE Profiling of Human Albumin in Heart Failure: Ex Vivo Studies. <i>Antioxidants</i> , 2021 , 10, | 7.1 | 2 |
| 204 | Cyclooxygenase-2 Glycosylation Is Affected by Peroxynitrite in Endothelial Cells: Impact on Enzyme Activity and Degradation. <i>Antioxidants</i> , 2021 , 10, | 7.1 | 2 |
| 203 | Protein network analyses of pulmonary endothelial cells in chronic thromboembolic pulmonary hypertension. <i>Scientific Reports</i> , 2021 , 11, 5583 | 4.9 | 3 |
| 202 | Integratomics of Human Dermal Fibroblasts Treated with Low Molecular Weight Hyaluronic Acid. <i>Molecules</i> , 2021 , 26, | 4.8 | 1 |
| 201 | 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 | 7.8 | 4 |
| 200 | Effect of Extraction Solvent and Temperature on Polyphenol Profiles, Antioxidant and Anti-Inflammatory Effects of Red Grape Skin By-Product. <i>Molecules</i> , 2021 , 26, | 4.8 | 4 |

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| 199 | Synthesis and characterization of C labeled carnosine derivatives for isotope dilution mass spectrometry measurements in biological matrices. <i>Talanta</i> , 2021 , 235, 122742 | 6.2 | 0 |
| 198 | Unveiling the molecular mechanisms underpinning biorecognition of early-glycated human serum albumin and receptor for advanced glycation end products. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 4245-4259 | 4.4 | 2 |
| 197 | -Acetyl-Cysteine Regenerates Albumin Cys34 by a Thiol-Disulfide Breaking Mechanism: An Explanation of Its Extracellular Antioxidant Activity. <i>Antioxidants</i> , 2020 , 9, | 7.1 | 8 |
| 196 | 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 |
| 195 | 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 |
| 194 | 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 | 3.5 | 8 |
| 193 | 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 | 3.5 | 5 |
| 192 | Binding modes identification through molecular dynamic simulations: A case study with carnosine enantiomers and the Teicoplanin A2-2-based chiral stationary phase. <i>Journal of Separation Science</i> , 2020 , 43, 1728-1736 | 3.4 | 5 |
| 191 | In Vitro Aging of Human Skin Fibroblasts: Age-Dependent Changes in 4-Hydroxynonenal Metabolism. <i>Antioxidants</i> , 2020 , 9, | 7.1 | 2 |
| 190 | The Disposal of Reactive Carbonyl Species through Carnosine Conjugation: What We Know Now. <i>Current Medicinal Chemistry</i> , 2020 , 27, 1726-1743 | 4.3 | 4 |
| 189 | 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 |
| 188 | Prothrombin is a binding partner of the human receptor of advanced glycation end products. <i>Journal of Biological Chemistry</i> , 2020 , 295, 12498-12511 | 5.4 | 4 |
| 187 | S-Thiolation Targets Albumin in Heart Failure. <i>Antioxidants</i> , 2020 , 9, | 7.1 | 7 |
| 186 | Modulation of cell proteome by 25-hydroxycholesterol and 27-hydroxycholesterol: A link between cholesterol metabolism and antiviral defense. <i>Free Radical Biology and Medicine</i> , 2020 , 149, 30-36 | 7.8 | 7 |
| 185 | Differentially Expressed Proteins in Primary Endothelial Cells Derived From Patients With Acute Myocardial Infarction. <i>Hypertension</i> , 2019 , 74, 947-956 | 8.5 | 5 |
| 184 | Protective Effect of Tomato-Oleoresin Supplementation on Oxidative Injury Recovers Cardiac Function by Improving β Adrenergic Response in a Diet-Obesity Induced Model. <i>Antioxidants</i> , 2019 , 8, | 7.1 | 7 |
| 183 | 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 | 3.2 | 4 |
| 182 | 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. <i>Phytotherapy Research</i> , 2019 , 136, 104163 | 3.2 | 2 |

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| 181 | Colostrum from cows immunized with a veterinary vaccine against bovine rotavirus displays enhanced in vitro anti-human rotavirus activity. <i>Journal of Dairy Science</i> , 2019 , 102, 4857-4869 | 4 | 9 |
| 180 | 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 |
| 179 | Carnosine supplementation reduces plasma soluble transferrin receptor in healthy overweight or obese individuals: a pilot randomised trial. <i>Amino Acids</i> , 2019 , 51, 73-81 | 3.5 | 6 |
| 178 | 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 |
| 177 | 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 |
| 176 | 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 |
| 175 | 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 <i>Pichia pastoris</i> . <i>Glycoconjugate Journal</i> , 2019 , 36, 27-38 | 3 | 5 |
| 174 | Mass Spectrometry-based Label-free Quantitative Proteomics To Study the Effect of 3PO Drug at Cellular Level. <i>ACS Medicinal Chemistry Letters</i> , 2019 , 10, 577-583 | 4.3 | 4 |
| 173 | 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 |
| 172 | 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 |
| 171 | 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 | 3.5 | 4 |
| 170 | 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 |
| 169 | Carnosine Supplementation Improves Serum Resistin Concentrations in Overweight or Obese but Otherwise Healthy Sedentary Adults Results From Randomised Controlled Trial. <i>Diabetes</i> , 2018 , 67, 777-P | 0.9 | |
| 168 | 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 |
| 167 | Data on thermal and hydrolytic stability of both domiphen bromide and para-bromodomiphen bromide. <i>Data in Brief</i> , 2018 , 20, 1363-1366 | 1.2 | 1 |
| 166 | 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 |
| 165 | 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 | 4 | 4 |
| 164 | N-Acetylcysteine as an antioxidant and disulphide breaking agent: the reasons why. <i>Free Radical Research</i> , 2018 , 52, 751-762 | 4 | 264 |

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| 163 | MS methods to study macromolecule-ligand interaction: Applications in drug discovery. <i>Methods</i> , 2018 , 144, 152-174 | 4.6 | 4 |
| 162 | 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 |
| 161 | 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 |
| 160 | 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 |
| 159 | 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 |
| 158 | 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 |
| 157 | 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 |
| 156 | Key factors regulating protein carbonylation by α -unsaturated carbonyls: A structural study based on a retrospective meta-analysis. <i>Biophysical Chemistry</i> , 2017 , 230, 20-26 | 3.5 | 3 |
| 155 | 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 |
| 154 | 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 |
| 153 | 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 |
| 152 | Set-up and application of an analytical approach for the quality control of purified colostrum as food supplement. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1028, 130-144 | 3.2 | 2 |
| 151 | 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 |
| 150 | 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 |
| 149 | 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 |
| 148 | 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 | 3.5 | 6 |
| 147 | Physiological and therapeutic effects of carnosine on cardiometabolic risk and disease. <i>Amino Acids</i> , 2016 , 48, 1131-49 | 3.5 | 44 |
| 146 | A method to produce fully characterized ubiquitin covalently modified by 4-hydroxy-nonenal, glyoxal, methylglyoxal, and malondialdehyde. <i>Free Radical Research</i> , 2016 , 50, 328-36 | 4 | 8 |

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| 145 | The secrets of Oriental panacea: Panax ginseng. <i>Journal of Proteomics</i> , 2016 , 130, 150-9 | 3.9 | 15 |
| 144 | Adduct Formation and Context Factors in Drug Hypersensitivity: Insight from Proteomic Studies. <i>Current Pharmaceutical Design</i> , 2016 , 22, 6748-6758 | 3.3 | 9 |
| 143 | Targeting Reactive Carbonyl Species with Natural Sequestering Agents. <i>Molecules</i> , 2016 , 21, 280 | 4.8 | 16 |
| 142 | Effects of carnosine supplementation on glucose metabolism: Pilot clinical trial. <i>Obesity</i> , 2016 , 24, 1027-84 | | 81 |
| 141 | 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 |
| 140 | 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 |
| 139 | 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 |
| 138 | An improved expression system for the VC1 ligand binding domain of the receptor for advanced glycation end products in <i>Pichia pastoris</i> . <i>Protein Expression and Purification</i> , 2015 , 114, 48-57 | 2 | 7 |
| 137 | Protein lipoxidation: Detection strategies and challenges. <i>Redox Biology</i> , 2015 , 5, 253-266 | 11.3 | 60 |
| 136 | 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 |
| 135 | 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 |
| 134 | Muscle Carnosine Is Associated with Cardiometabolic Risk Factors in Humans. <i>PLoS ONE</i> , 2015 , 10, e0138707 | 3.7 | 24 |
| 133 | CHAPTER 8: Carnosine and Derivatives as Inhibitors of Protein Covalent Modifications Induced by Reactive Carbonyl Species. <i>Food and Nutritional Components in Focus</i> , 2015 , 139-169 | | 6 |
| 132 | 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 |
| 131 | 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 |
| 130 | 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 | 3.5 | 7 |
| 129 | Biological functions of histidine-dipeptides and metabolic syndrome. <i>Nutrition Research and Practice</i> , 2014 , 8, 3-10 | 2.1 | 38 |
| 128 | Bioavailability of plant pigment phytochemicals in <i>Angelica keiskei</i> in older adults: A pilot absorption kinetic study. <i>Nutrition Research and Practice</i> , 2014 , 8, 550-7 | 2.1 | 7 |

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| 127 | Fat-soluble bioactive components in colored rice varieties. <i>Journal of Medicinal Food</i> , 2014 , 17, 1134-41 | 2.8 | 17 |
| 126 | Pathophysiology of tobacco smoke exposure: recent insights from comparative and redox proteomics. <i>Mass Spectrometry Reviews</i> , 2014 , 33, 183-218 | 11 | 31 |
| 125 | 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 |
| 124 | Online Microreactor Titanium Dioxide RPLC-LTQ-Orbitrap MS Automated Platform for Shotgun Analysis of (Phospho) Proteins in Human Amniotic Fluid. <i>Chromatographia</i> , 2014 , 77, 39-50 | 2.1 | 2 |
| 123 | Oxidative Stress and Chronic Renal Disease [Clinical Aspects 2014 , 2625-2644 | | 1 |
| 122 | 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 |
| 121 | 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 |
| 120 | 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 |
| 119 | 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 |
| 118 | Physiology and pathophysiology of carnosine. <i>Physiological Reviews</i> , 2013 , 93, 1803-45 | 47.9 | 539 |
| 117 | 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 |
| 116 | Lemon peel and Limoncello liqueur: a proteomic duet. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013 , 1834, 1484-91 | 4 | 14 |
| 115 | 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 |
| 114 | Novel therapeutic strategy to prevent chemotherapy-induced persistent sensory neuropathy by TRPA1 blockade. <i>Cancer Research</i> , 2013 , 73, 3120-31 | 10.1 | 117 |
| 113 | Øryzanol inhibits the adipogenesis of adipose-derived human mesenchymal stem cells. <i>FASEB Journal</i> , 2013 , 27, lb246 | 0.9 | |
| 112 | Protein haptentation 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 |
| 111 | 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 |
| 110 | Molecular recognition of T:G mismatched base pairs in DNA as studied by electrospray ionization mass spectrometry. <i>ChemMedChem</i> , 2012 , 7, 1112-22 | 3.7 | 5 |

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| 109 | Transforming dietary peptides in promising lead compounds: the case of bioavailable carnosine analogs. <i>Amino Acids</i> , 2012 , 43, 111-26 | 3.5 | 24 |
| 108 | Oxidative damage in human gingival fibroblasts exposed to cigarette smoke. <i>Free Radical Biology and Medicine</i> , 2012 , 52, 1584-96 | 7.8 | 64 |
| 107 | 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 |
| 106 | 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 |
| 105 | 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 |
| 104 | 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 |
| 103 | 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 |
| 102 | Fragmental modeling of hPepT2 and analysis of its binding features by docking studies and pharmacophore mapping. <i>Bioorganic and Medicinal Chemistry</i> , 2011 , 19, 4544-51 | 3.4 | 4 |
| 101 | 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 |
| 100 | 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 |
| 99 | 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 |
| 98 | Design, synthesis, ADME properties, and pharmacological activities of β -alanine-D-histidine (D-carnosine) prodrugs with improved bioavailability. <i>ChemMedChem</i> , 2011 , 6, 1269-82 | 3.7 | 35 |
| 97 | 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 |
| 96 | Fibrosis, Enzymatic and Non-Enzymatic Cross-Links in Hypertensive Heart Disease. <i>Cardiovascular & Hematological Disorders Drug Targets</i> , 2011 , 11, 61-73 | 1.1 | 9 |
| 95 | 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 |
| 94 | 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 |
| 93 | The potential of resveratrol against human gliomas. <i>Anti-Cancer Drugs</i> , 2010 , 21, 140-50 | 2.4 | 41 |
| 92 | Antioxidant Activity of Solid Olive Oil Residues from <i>Olea europaea</i> Coratina Cultivar 2010 , 943-949 | | |

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| 91 | 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 |
| 90 | 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 |
| 89 | Antioxidant Activity and Oxidative Stress: An Overview 2010 , 3-19 | | 2 |
| 88 | 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 |
| 87 | 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 |
| 86 | Covalent Modifications of Albumin Cys34 as a Biomarker of Mild Oxidative Stress 2010 , 229-241 | | 2 |
| 85 | Hydroxyoctadecadienoic Acid (HODE) as a Marker of Linoleic Acid Oxidation 2010 , 85-97 | | |
| 84 | Protein S-glutathionylation and S-cysteinylation 2010 , 243-259 | | |
| 83 | 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 |
| 82 | 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 |
| 81 | A combined high-resolution mass spectrometric and in silico approach for the characterisation of small ligands of beta2-microglobulin. <i>ChemMedChem</i> , 2010 , 5, 1015-25 | 3.7 | 9 |
| 80 | 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 |
| 79 | 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 |
| 78 | 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 |
| 77 | 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 | 0.9 | 6 |
| 76 | Synergistic interactions of antioxidant nutrients in a biological model system. <i>Nutrition</i> , 2009 , 25, 839-46 | 4.8 | 53 |
| 75 | 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 |
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