# Fabio Cesar Gozzo

List of Publications by Year
in descending order



| 152 | 5,324 | 87723 | 118652 |
|---|---|---|---|
| papers | citations | 38 h-index | 62 g-index |

| 155 | 155 | 155 | 7273 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Gaseous Supramolecules of Imidazolium Ionic Liquids: ?Magic? Numbers and Intrinsic Strengths of Hydrogen Bonds. Chemistry - A European Journal, 2004, 10, 6187-6193. | 1.7 | 239 |
| 2 | Chiroselective Self-Directed Octamerization of Serine:Â Implications for Homochirogenesis. Analytical Chemistry, 2001, 73, 3646-3655. | 3.2 | 236 |
| 3 | Antioxidant, antimicrobial activities and characterization of phenolic compounds from buriti (Mauritia flexuosa L. f.) by UPLCâ€“ESI-MS/MS. Food Research International, 2013, 51, 467-473. | 2.9 | 170 |
| 4 | Mass Spectrometric Quantitation of Chiral Drugs by the Kinetic Method. Analytical Chemistry, 2001, 73, 1692-1698. | 3.2 | 160 |
| 5 | Novel Natural Peptide Substrates for Endopeptidase 24.15, Neurolysin, and Angiotensin-converting Enzyme. Journal of Biological Chemistry, 2003, 278, 8547-8555. | 1.6 | 142 |
| 6 | Chiral Transmission between Amino Acids: Chirally Selective Amino Acid Substitution in the Serine Octamer as a Possible Step in Homochirogenesis. Angewandte Chemie - International Edition, 2002, 41, 1721-1724. | 7.2 | 117 |
| 7 | The Methylerythritol Phosphate Pathway Is Functionally Active in All Intraerythrocytic Stages of Plasmodium falciparum. Journal of Biological Chemistry, 2004, 279, 51749-51759. | 1.6 | 116 |
| 8 | Single embryo and oocyte lipid fingerprinting by mass spectrometry. Journal of Lipid Research, 2010, 51, 1218-1227. | 2.0 | 109 |
| 9 | The Biginelli Reaction with an Imidazoliumâ€“Tagged Recyclable Iron Catalyst: Kinetics, Mechanism, and Antitumoral Activity. Chemistry - A European Journal, 2013, 19, 4156-4168. | 1.7 | 109 |
| 10 | Hemoglobin-derived Peptides as Novel Type of Bioactive Signaling Molecules. AAPS Journal, 2010, 12, 658-669. | 2.2 | 102 |
| 11 | First Community-Wide, Comparative Cross-Linking Mass Spectrometry Study. Analytical Chemistry, 2019, 91, 6953-6961. | 3.2 | 100 |
| 12 | Mechanistic Studies on Lewis Acid Catalyzed Biginelli Reactions in Ionic Liquids: Evidence for the Reactive Intermediates and the Role of the Reagents. Journal of Organic Chemistry, 2012, 77, 10184-10193. | 1.7 | 90 |
| 13 | Redox Control of 20S Proteasome Gating. Antioxidants and Redox Signaling, 2012, 16, 1183-1194. | 2.5 | 82 |
| 14 | Facts, Presumptions, and Myths on the Solvent-Free and Catalyst-Free Biginelli Reaction. What is Catalysis for?. Journal of Organic Chemistry, 2014, 79, 3383-3397. | 1.7 | 82 |
| 15 | Ionic Liquid Effect over the Biginelli Reaction under Homogeneous and Heterogeneous Catalysis. ACS Catalysis, 2013, 3, 1420-1430. | 5.5 | 81 |
| 16 | SIM-XL: A powerful and user-friendly tool for peptide cross-linking analysis. Journal of Proteomics, 2015, 129, 51-55. | 1.2 | 73 |
| 17 | Alterations of the Intracellular Peptidome in Response to the Proteasome Inhibitor Bortezomib. PLoS ONE, 2013, 8, e53263. | 1.1 | 72 |
| 18 | Chiral Platinum(II) Complexes Featuring Phosphine and Chloroquine Ligands as Cytotoxic and Monofunctional DNA-Binding Agents. Inorganic Chemistry, 2015, 54, 11709-11720. | 1.9 | 65 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Chemical crossâ€linking with a diazirine photoactivatable crossâ€linker investigated by MALDIâ€•and ESIâ€MS/MS. Journal of Mass Spectrometry, 2010, 45, 892-899. | 0.7 | 64 |
| 20 | Proteomic analysis of banana fruit reveals proteins that are differentially accumulated during ripening. Postharvest Biology and Technology, 2012, 70, 51-58. | 2.9 | 63 |
| 21 | Heteropolyacid-Containing Ionic Liquid-Catalyzed Multicomponent Synthesis of Bridgehead Nitrogen Heterocycles: Mechanisms and Mitochondrial Staining. Journal of Organic Chemistry, 2018, 83, 4044-4053. | 1.7 | 61 |
| 22 | Regioselectivity in Aromatic Claisen Rearrangements. Journal of Organic Chemistry, 2003, 68, 5493-5499. | 1.7 | 60 |
| 23 | Effect of smoking on the functional aspects of sperm and seminal plasma protein profiles in patients with varicocele. Human Reproduction, 2012, 27, 3140-3149. | 0.4 | 59 |
| 24 | Transacetalization with Acylium Ions. A Structurally Diagnostic Ion/Molecule Reaction for Cyclic Acetals and Ketals in the Gas Phase. Journal of Organic Chemistry, 1997, 62, 5096-5103. | 1.7 | 58 |
| 25 | On the use of 2,1,3-benzothiadiazole derivatives as selective live cell fluorescence imaging probes. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 6001-6007. | 1.0 | 56 |
| 26 | Serine octamer metaclusters: formation, structure elucidation and implications for homochiral polymerization. Chemical Communications, 2001, , 1854-1855. | 2.2 | 55 |
| 27 | Peptidomic Analysis of HEK293T Cells: Effect of the Proteasome Inhibitor Epoxomicin on Intracellular Peptides. Journal of Proteome Research, 2012, 11, 1981-1990. | 1.8 | 55 |
| 28 | A ditryptophan cross-link is responsible for the covalent dimerization of human superoxide dismutase 1 during its bicarbonate-dependent peroxidase activity. Free Radical Biology and Medicine, 2010, 49, 1046-1053. | 1.3 | 54 |
| 29 | Simultaneous extraction and analysis by high performance liquid chromatography coupled to diode array and mass spectrometric detectors of bixin and phenolic compounds from annatto seeds. Journal of Chromatography A, 2011, 1218, 57-63. | 1.8 | 52 |
| 30 | The Biginelli reaction under batch and continuous flow conditions: catalysis, mechanism and antitumoral activity. RSC Advances, 2015, 5, 48506-48515. | 1.7 | 51 |
| 31 | Combined Role of the Asymmetric Counteranion-Directed Catalysis (ACDC) and Ionic Liquid Effect for the Enantioselective Biginelli Multicomponent Reaction. Journal of Organic Chemistry, 2018, 83, 12143-12153. | 1.7 | 49 |
| 32 | Characterization of homodimer interfaces with cross-linking mass spectrometry and isotopically labeled proteins. Nature Protocols, 2018, 13, 431-458. | 5.5 | 47 |
| 33 | Relative carbonyl isocyanate cation [OCNCO]+ affinities of pyridines determined by the kinetic method using multiple-stage (MS3) mass spectrometry. Journal of Mass Spectrometry, 1995, 30, 807-816. | 0.7 | 45 |
| 34 | Identification of intracellular peptides in rat adipose tissue: Insights into insulin resistance. Proteomics, 2012, 12, 2668-2681. | 1.3 | 44 |
| 35 | Ionically Tagged Iron Complexâ€Catalyzed Epoxidation of Olefins in Imidazoliumâ€Based Ionic Liquids. ChemSusChem, 2012, 5, 716-726. | 3.6 | 42 |
| 36 | A Novel Intracellular Peptide Derived from G1/S Cyclin D2 Induces Cell Death. Journal of Biological Chemistry, 2014, 289, 16711-16726. | 1.6 | 42 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Neurolysin Knockout Mice Generation and Initial Phenotype Characterization. Journal of Biological Chemistry, 2014, 289, 15426-15440. | 1.6 | 41 |
| 38 | Conformational dynamics of Î±-synuclein: insights from mass spectrometry. Analyst, The, 2015, 140, 3070-3081. | 1.7 | 41 |
| 39 | Synthesis, spectroscopic characterization, DFT studies and antibacterial assays of a novel silver(I) complex with the anti-inflammatory nimesulide. Polyhedron, 2012, 36, 112-119. | 1.0 | 40 |
| 40 | Evaluation of proteome alterations induced by cadmium stress in sunflower (Helianthus annuus L.) cultures. Ecotoxicology and Environmental Safety, 2015, 119, 170-177. | 2.9 | 40 |
| 41 | Locating the Charge Site in Heteroaromatic Cations. Chemistry - A European Journal, 1998, 4, 1161-1168. | 1.7 | 39 |
| 42 | Chemotactic signal transduction and phosphate metabolism as adaptive strategies during citrus canker induction by Xanthomonas citri. Functional and Integrative Genomics, 2015, 15, 197-210. | 1.4 | 39 |
| 43 | Natural intracellular peptides can modulate the interactions of mouse brain proteins and thimet oligopeptidase with 14â€3â€3Îµ and calmodulin. Proteomics, 2012, 12, 2641-2655. | 1.3 | 38 |
| 44 | Differentially Delayed Root Proteome Responses to Salt Stress in Sugar Cane Varieties. Journal of Proteome Research, 2013, 12, 5681-5695. | 1.8 | 37 |
| 45 | Changes in the seminal plasma proteome of adolescents before and after varicocelectomy. Fertility and Sterility, 2013, 100, 667-672. | 0.5 | 36 |
| 46 | Spectroscopic characterization of the tumor antigen NY-REN-21 and identification of heterodimer formation with SCAND1. Biochemical and Biophysical Research Communications, 2006, 343, 260-268. | 1.0 | 35 |
| 47 | Î±B-crystallin interacts with and prevents stress-activated proteolysis of focal adhesion kinase by calpain in cardiomyocytes. Nature Communications, 2014, 5, 5159. | 5.8 | 34 |
| 48 | Multiple stage pentaquadrupole mass spectrometry for generation and characterization of gas-phase ionic species. The case of the PyC2H5+Â· isomers. Journal of the American Society for Mass Spectrometry, 1996, 7, 1126-1137. | 1.2 | 33 |
| 49 | Distonoid ions. Journal of the American Society for Mass Spectrometry, 2006, 17, 1014-1022. | 1.2 | 33 |
| 50 | A silver complex with tryptophan: Synthesis, structural characterization, DFT studies and antibacterial and antitumor assays in vitro. Journal of Molecular Structure, 2013, 1031, 125-131. | 1.8 | 33 |
| 51 | Electrospray mass and tandem mass spectrometry of homologous and isomeric singly, doubly, triply and quadruply charged cationic ruthenatedmeso-(phenyl)m-(meta- andpara-pyridyl)n (m +n = 4) macrocyclic porphyrin complexes. Journal of Mass Spectrometry, 2004, 39, 1161-1167. | 0.7 | 32 |
| 52 | Structural Insights into Enzymeâ€“Substrate Interaction and Characterization of Enzymatic Intermediates of Organic Hydroperoxide Resistance Protein from Xylella fastidiosa. Journal of Molecular Biology, 2006, 359, 433-445. | 2.0 | 32 |
| 53 | Heat Shock Protein 90 kDa (Hsp90) Has a Second Functional Interaction Site with the Mitochondrial Import Receptor Tom70. Journal of Biological Chemistry, 2016, 291, 18620-18631. | 1.6 | 32 |
| 54 | Gaseous SF3+:Â An Efficient Electrophilic Monofluorinating Agent for Five-Membered Heteroaromatic Compounds. Journal of Organic Chemistry, 2000, 65, 3920-3925. | 1.7 | 31 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Pentavalent organoantimonial derivatives: two simple and efficient synthetic methods for meglumine antimonate. Applied Organometallic Chemistry, 2003, 17, 226-231. | 1.7 | 31 |
| 56 | Probing deep into the interaction of a fluorescent chalcone derivative and bovine serum albumin (BSA): an experimental and computational study. Organic and Biomolecular Chemistry, 2013, 11, 4764. | 1.5 | 31 |
| 57 | Low Bioavailability and High Immunogenicity of a New Brand of E. coli l-Asparaginase with Active Host Contaminating Proteins. EBioMedicine, 2018, 30, 158-166. | 2.7 | 31 |
| 58 | The follicular microenviroment as a predictor of pregnancy: MALDI-TOF MS lipid profile in cumulus cells. Journal of Assisted Reproduction and Genetics, 2012, 29, 1289-1297. | 1.2 | 30 |
| 59 | Lipid profiling of follicular fluid from women undergoing IVF: Young poor ovarian responders versus normal responders. Human Fertility, 2013, 16, 269-277. | 0.7 | 30 |
| 60 | Proteomic analysis of follicular fluid from women with and without endometriosis: New therapeutic targets and biomarkers. Molecular Reproduction and Development, 2013, 80, 441-450. | 1.0 | 30 |
| 61 | Comparative proteomic analysis reveals that T3SS, Tfp, and xanthan gum are key factors in initial stages of Citrus sinensis infection by Xanthomonas citri subsp. citri. Functional and Integrative Genomics, 2014, 14, 205-217. | 1.4 | 30 |
| 62 | Synthesis of B- and P-Heterocycles by Reaction of Cyclic Acetals and Ketals with Borinium and Phosphonium Ions. Journal of Organic Chemistry, 1999, 64, 3213-3223. | 1.7 | 29 |
| 63 | Anxiogenic-like effects induced by hemopressin in rats. Pharmacology Biochemistry and Behavior, 2015, 129, 7-13. | 1.3 | 29 |
| 64 | The mechanism by which a distinguishing arabinofuranosidase can cope with internal di-substitutions in arabinoxylans. Biotechnology for Biofuels, 2018, 11, 223. | 6.2 | 29 |
| 65 | Novel [3 + 2] 1,3-Cycloaddition of the Ionized Carbonyl Ylide +CH2OCH2â€¢ with Carbonyl Compounds in the Gas Phase. Journal of the American Chemical Society, 1997, 119, 3550-3557. | 6.6 | 28 |
| 66 | On the identification of ionic species of neutral halogen dimers, monomers and pincer type palladacycles in solution by electrospray mass and tandem mass spectrometry. Inorganica Chimica Acta, 2004, 357, 2349-2357. | 1.2 | 28 |
| 67 | Catalytic Aminolysis (Amide Formation) from Esters and Carboxylic Acids: Mechanism, Enhanced Ionic Liquid Effect, and its Origin. ChemCatChem, 2011, 3, 1911-1920. | 1.8 | 28 |
| 68 | Ovarian environment aging: follicular fluid lipidomic and related metabolic pathways. Journal of Assisted Reproduction and Genetics, 2018, 35, 1385-1393. | 1.2 | 28 |
| 69 | Two distinct catalytic pathways for GH43 xylanolytic enzymes unveiled by X-ray and QM/MM simulations. Nature Communications, 2021, 12, 367. | 5.8 | 27 |
| 70 | The Simplest Azabutadienes in Their N-Protonated Forms. Generation, Stability, and Cycloaddition Reactivity in the Gas Phase. Journal of Organic Chemistry, 1998, 63, 4889-4897. | 1.7 | 26 |
| 71 | Evaluation of some effects on plant metabolism through proteins and enzymes in transgenic and non-transgenic soybeans after cultivation with silver nanoparticles. Journal of Proteomics, 2019, 191, 88-106. | 1.2 | 26 |
| 72 | Xyloglucan processing machinery in Xanthomonas pathogens and its role in the transcriptional activation of virulence factors. Nature Communications, 2021, 12, 4049. | 5.8 | 26 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | The ionized methylene transfer from the distonic radical cation CH-O-CH to heterocyclic compounds. A pentaquadrupole mass spectrometric study. Journal of the American Society for Mass Spectrometry, 1995, 6, 554-563. | 1.2 | 25 |
| 74 | Identification of Cross-Linked Peptides by High-Resolution Precursor Ion Scan. Analytical Chemistry, 2010, 82, 909-916. | 3.2 | 25 |
| 75 | Peptidomic analysis of the neurolysin-knockout mouse brain. Journal of Proteomics, 2014, 111, 238-248. | 1.2 | 25 |
| 76 | 2-Pyridyl and 2-Pyrimidyl Cations:Â Stableo-Hetarynium Ions in the Gas Phaseâ€. Journal of Organic Chemistry, 1999, 64, 2188-2193. | 1.7 | 24 |
| 77 | Evaluation of sample preparation protocols for proteomic analysis of sunflower leaves. Talanta, 2010, 80, 1545-1551. | 2.9 | 24 |
| 78 | Sulfur trifluoride cation (SF3 +) affinities of pyridines determined by the kinetic method: Stereoelectronic effects in the gas phase. Journal of the American Society for Mass Spectrometry, 1997, 8, 68-75. | 1.2 | 23 |
| 79 | Primary and secondary kinetic isotope effects in proton (H+/D+) and chloronium ion (35Cl+/37Cl+) affinities. Journal of Mass Spectrometry, 2001, 36, 1140-1148. | 0.7 | 23 |
| 80 | Inhibition of thimet oligopeptidase by siRNA alters specific intracellular peptides and potentiates isoproterenol signal transduction. FEBS Letters, 2012, 586, 3287-3292. | 1.3 | 23 |
| 81 | Identification of three proteins that associate in vitro with the Leishmania (Leishmania) amazonensis G-rich telomeric strand. FEBS Journal, 2004, 271, 3050-3063. | 0.2 | 22 |
| 82 | Improving metallomics information related to transgenic and non-transgenic soybean seeds using 2D-HPLC-ICP-MS and ESI-MS/MS. Metallomics, 2012, 4, 373. | 1.0 | 22 |
| 83 | Crystal Structure and Regulation of the Citrus Pol III Repressor MAF1 by Auxin and Phosphorylation. Structure, 2017, 25, 1360-1370.e4. | 1.6 | 22 |
| 84 | Electrospray ionization mass spectrometry analysis of polyisoprenoid alcohols via Li+ cationization. Analytical Biochemistry, 2006, 355, 189-200. | 1.1 | 21 |
| 85 | Collision-induced dissociation of lys-lys intramolecular crosslinked peptides. Journal of the American Society for Mass Spectrometry, 2009, 20, 557-566. | 1.2 | 21 |
| 86 | Traveling-wave ion mobility mass spectrometry analysis of isomeric modified peptides arising from chemical cross-linking. Journal of the American Society for Mass Spectrometry, 2010, 21, 2062-2069. | 1.2 | 21 |
| 87 | Iron Complex with Ionic Tagâ€Catalyzed Olefin Reduction under Oxidative Conditionsâ€”A Different Reaction for Iron. ChemSusChem, 2012, 5, 2383-2389. | 3.6 | 21 |
| 88 | Corrole isomers: intrinsic gas-phase shapes via traveling wave ion mobility mass spectrometry and dissociation chemistries via tandem mass spectrometry. Organic and Biomolecular Chemistry, 2012, 10, 8396. | 1.5 | 20 |
| 89 | The isomers of ionized dimethyl sulfoxide (C2H6OS+Â·) and their CH3OS+ fragments. Anab initio and multiple-stage mass spectrometric (MSn) study. Journal of Mass Spectrometry, 1995, 30, 1553-1561. | 0.7 | 19 |
| 90 | Intrinsic Reactivity of Gaseous Halocarbocations toward Model Aromatic Compounds. Journal of Physical Chemistry A, 2004, 108, 7009-7020. | 1.1 | 19 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Structural insights into Î²-1,3-glucan cleavage by a glycoside hydrolase family. Nature Chemical Biology, 2020, 16, 920-929. | 3.9 | 19 |
| 92 | Similar Intracellular Peptide Profile of TAP1/Î²2 Microglobulin Double-Knockout Mice and C57BL/6 Wild-Type Mice as Revealed by Peptidomic Analysis. AAPS Journal, 2010, 12, 608-616. | 2.2 | 18 |
| 93 | Effects of Cadmium and Copper Biosorption on Chlorella vulgaris. Bulletin of Environmental Contamination and Toxicology, 2014, 93, 405-409. | 1.3 | 18 |
| 94 | XPlex: An Effective, Multiplex Cross-Linking Chemistry for Acidic Residues. Analytical Chemistry, 2018, 90, 6043-6050. | 3.2 | 18 |
| 95 | Understanding mechanisms of oocyte development by follicular fluid lipidomics. Journal of Assisted Reproduction and Genetics, 2019, 36, 1003-1011. | 1.2 | 18 |
| 96 | N-glycan Utilization by Bifidobacterium Gut Symbionts Involves a Specialist Î²-Mannosidase. Journal of Molecular Biology, 2019, 431, 732-747. | 2.0 | 18 |
| 97 | The First Nonclassical Distonic Ion. Journal of the American Chemical Society, 2000, 122, 7776-7780. | 6.6 | 16 |
| 98 | FERM domain interaction with myosin negatively regulates FAK in cardiomyocyte hypertrophy. Nature Chemical Biology, 2012, 8, 102-110. | 3.9 | 16 |
| 99 | An Evaluation of the Crystal Structure of C-terminal Truncated Apolipoprotein A-I in Solution Reveals Structural Dynamics Related to Lipid Binding. Journal of Biological Chemistry, 2016, 291, 5439-5451. | 1.6 | 16 |
| 100 | Structural basis of exo-Î²-mannanase activity in the GH2 family. Journal of Biological Chemistry, 2018, 293, 13636-13649. | 1.6 | 16 |
| 101 | TopoLink: evaluation of structural models using chemical crosslinking distance constraints. Bioinformatics, 2019, 35, 3169-3170. | 1.8 | 16 |
| 102 | Stereoelectronic effects in phosphorus dichloride cation/pyridine complexes. International Journal of Mass Spectrometry and Ion Processes, 1997, 163, 89-99. | 1.9 | 15 |
| 103 | Fragmentation features of intermolecular crossâ€linked peptides using Nâ€hydroxyâ€succinimide esters by MALDIâ€and ESIâ€MS/MS for use in structural proteomics. Journal of Mass Spectrometry, 2011, 46, 742-750. | 0.7 | 15 |
| 104 | MALDIâ€TOF Fingerprinting of Seminal Plasma Lipids in the Study of Human Male Infertility. Lipids, 2014, 49, 943-956. | 0.7 | 15 |
| 105 | Chemical and spectroscopic characterizations, ESI-QTOF mass spectrometric measurements and DFT studies of new complexes of palladium(II) with tryptamine and mefenamic acid. Journal of Molecular Structure, 2015, 1100, 6-13. | 1.8 | 15 |
| 106 | Interferon-gamma activity is potentiated by an intracellular peptide derived from the human 19S ATPase regulatory subunit 4 of the proteasome. Journal of Proteomics, 2017, 151, 74-82. | 1.2 | 15 |
| 107 | Ion mobility mass spectrometry: an elegant alternative focusing on speciation studies. Journal of Analytical Atomic Spectrometry, 2011, 26, 201-206. | 1.6 | 14 |
| 108 | Structural and functional characterization of the chaperone Hsp70 from sugarcane. Insights into conformational changes during cycling from cross-linking/mass spectrometry assays. Journal of Proteomics, 2014, 104, 48-56. | 1.2 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Crystal structure of the human Tip41 orthologue, TIPRL, reveals a novel fold and a binding site for the PP2Ac C-terminus. Scientific Reports, 2016, 6, 30813. | 1.6 | 14 |
| 110 | A binuclear silver complex with l-buthionine sulfoximine: synthesis, spectroscopic characterization, DFT studies and antibacterial assays. RSC Advances, 2012, 2, 10372. | 1.7 | 13 |
| 111 | Analysis of secondary structure in proteins by chemical crossâ€linking coupled to MS. Proteomics, 2012, 12, 2746-2752. | 1.3 | 13 |
| 112 | Conformational and functional studies of a cytosolic 90ÂkDa heat shock protein Hsp90 from sugarcane. Plant Physiology and Biochemistry, 2013, 68, 16-22. | 2.8 | 13 |
| 113 | Enhancing protein fold determination by exploring the complementary information of chemical cross-linking and coevolutionary signals. Bioinformatics, 2018, 34, 2201-2208. | 1.8 | 13 |
| 114 | Statistical force-field for structural modeling using chemical cross-linking/mass spectrometry distance constraints. Bioinformatics, 2019, 35, 3005-3012. | 1.8 | 13 |
| 115 | The Relevance of Thimet Oligopeptidase in the Regulation of Energy Metabolism and Diet-Induced Obesity. Biomolecules, 2020, 10, 321. | 1.8 | 13 |
| 116 | The Cysteine-Rich Protein Thimet Oligopeptidase as a Model of the Structural Requirements for S-glutathiolation and Oxidative Oligomerization. PLoS ONE, 2012, 7, e39408. | 1.1 | 13 |
| 117 | Metal ions bound to the human milk immunoglobulin A: Metalloproteomic approach. Food Chemistry, 2015, 166, 492-497. | 4.2 | 12 |
| 118 | DIA is not a new mass spectrometry acquisition method. Proteomics, 2017, 17, 1700017. | 1.3 | 11 |
| 119 | Metabolic profiling by ultra-performance liquid chromatography-mass spectrometry and parallel factor analysis for the determination of disease biomarkers in Eucalyptus. Metabolomics, 2014, 10, 1318-1325. | 1.4 | 10 |
| 120 | A new platinum complex with tryptophan: Synthesis, structural characterization, DFT studies and biological assays in vitro over human tumorigenic cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 122, 209-215. | 2.0 | 10 |
| 121 | Scaffold proteins LACK and TRACK as potential drug targets in kinetoplastid parasites: Development of inhibitors. International Journal for Parasitology: Drugs and Drug Resistance, 2016, 6, 74-84. | 1.4 | 10 |
| 122 | Integrative mass spectrometry strategy for fingerprinting and tentative structural characterization of asphaltenes. Fuel, 2018, 220, 717-724. | 3.4 | 10 |
| 123 | RawVegetable â€“ A data assessment tool for proteomics and cross-linking mass spectrometry experiments. Journal of Proteomics, 2020, 225, 103864. | 1.2 | 10 |
| 124 | Structural Characterization of Clusters Formed from Alkyl Nitriles and the Methyl Cation. Journal of Physical Chemistry A, 2000, 104, 11290-11296. | 1.1 | 9 |
| 125 | [des-Arg 1 ]-Proctolin: A novel NEP-like enzyme inhibitor identified in Tityus serrulatus venom. Peptides, 2016, 80, 18-24. | 1.2 | 9 |
| 126 | Ion mobility spectrometry focusing on speciation analysis of metals/metalloids bound to carbonic anhydrase. Analytical and Bioanalytical Chemistry, 2013, 405, 7653-7660. | 1.9 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Imidate-Based Cross-Linkers for Structural Proteomics: Increased Charge of Protein and Peptide Ions and CID and ECD Fragmentation Studies. Journal of the American Society for Mass Spectrometry, 2014, 25, 1181-1191. | 1.2 | 8 |
| 128 | Mixed-Data Acquisition: Next-Generation Quantitative Proteomics Data Acquisition. Journal of Proteomics, 2020, 222, 103803. | 1.2 | 8 |
| 129 | Plasma Lipidomic Fingerprinting to Distinguish among Hepatitis C-related Hepatocellular Carcinoma, Liver Cirrhosis, and Chronic Hepatitis C using MALDI-TOF Mass Spectrometry: a Pilot Study. Journal of Gastrointestinal and Liver Diseases, 2020, 24, 43-49. | 0.5 | 8 |
| 130 | Sample preparation focusing on plant proteomics: extraction, evaluation and identification of proteins from sunflower seeds. Analytical Methods, 2013, 5, 116-123. | 1.3 | 7 |
| 131 | Unveiling the interaction between the molecular motor Myosin Vc and the small GTPase Rab3A. Journal of Proteomics, 2020, 212, 103549. | 1.2 | 7 |
| 132 | Nomenclaturas de espectrometria de massas em lÃngua portuguesa. Quimica Nova, 2011, 34, 1875-1887. | 0.3 | 7 |
| 133 | IRMPD and ECD fragmentation of intermolecular crossâ€linked peptides. Journal of Mass Spectrometry, 2011, 46, 262-268. | 0.7 | 6 |
| 134 | Fullerene separation and identification by traveling wave ion mobility mass spectrometry in laser desorption processes during asphaltene analysis. Journal of Mass Spectrometry, 2016, 51, 254-256. | 0.7 | 6 |
| 135 | Evaluation of genetically modified Arabidopsis thaliana through metallomic and enzymatic approaches focusing on mass spectrometry-based platforms. International Journal of Mass Spectrometry, 2017, 418, 6-14. | 0.7 | 6 |
| 136 | C7orf59/LAMTOR4 phosphorylation and structural flexibility modulate Ragulator assembly. FEBS Open Bio, 2019, 9, 1589-1602. | 1.0 | 6 |
| 137 | Characterization of the human ortholog of Mov34 reveals eight N-terminal residues important for MPN domain stability. Biochemical and Biophysical Research Communications, 2006, 347, 608-615. | 1.0 | 5 |
| 138 | Insights into scorpion venom peptides: Alternative processing of Î²-KTx propeptide from Tityus serrulatus venom results in a new naturally occurring thimet oligopeptidase inhibitor. Peptides, 2013, 40, 30-33. | 1.2 | 5 |
| 139 | Is the formation of N-heterocyclic carbenes (NHCs) a feasible mechanism for the distillation of imidazolium ionic liquids?. Physical Chemistry Chemical Physics, 2018, 20, 24716-24725. | 1.3 | 4 |
| 140 | Using SIM-XL to identify and annotate cross-linked peptides analyzed by mass spectrometry. Protocol Exchange, 0, , . | 0.3 | 4 |
| 141 | Hyaluronidase Alters the Lipid Profile of Cumulus Cells as Detected by MALDIâ€TOF MS and Multivariate Analysis. Lipids, 2014, 49, 957-962. | 0.7 | 3 |
| 142 | New Intracellular Peptide Derived from Hemoglobin Alpha Chain Induces Glucose Uptake and Reduces Blood Glycemia. Pharmaceutics, 2021, 13, 2175. | 2.0 | 3 |
| 143 | Formal gas-phase polar [4 + 1+] cycloaddition of ionized methylene to Î±-dicarbonyl compounds: synthesis of 2-unsubstituted 1,3-dioxoles. Journal of Mass Spectrometry, 2006, 41, 735-740. | 0.7 | 2 |
| 144 | A new label-free approach for the determination of reaction rates in oxidative footprinting experiments. Analytical and Bioanalytical Chemistry, 2013, 405, 7679-7686. | 1.9 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Primary Structure of a Trypsin Inhibitor (Copaifera langsdorffii Trypsin Inhibitor-1) Obtained from C. langsdorffii Seeds. Journal of Biomolecular Techniques, 2015, 26, 90-102. | 0.8 | 2 |
| 146 | Revealing the interaction mode of the highly flexible Sorghum bicolor Hsp70/Hsp90 organizing protein (Hop): A conserved carboxylate clamp confers high affinity binding to Hsp90. Journal of Proteomics, 2019, 191, 191-201. | 1.2 | 2 |
| 147 | Structural complementarity of distance constraints obtained from chemical crossâ€linking and amino acid coevolution. Proteins: Structure, Function and Bioinformatics, 2020, 88, 625-632. | 1.5 | 2 |
| 148 | Characterizing protein conformers by cross-linking mass spectrometry and pattern recognition. Bioinformatics, 2021, 37, 3035-3037. | 1.8 | 2 |
| 149 | Molecular Architecture of the Antiophidic Protein DM64 and its Binding Specificity to Myotoxin II From Bothrops asper Venom. Frontiers in Molecular Biosciences, 2021, 8, 787368. | 1.6 | 2 |
| 150 | Identification and Characterization of a Proteolysis-Resistant Fragment Containing the PCI Domain in the Arabidopsis thaliana INT6/eIF3e Translation Factor. Cell Biochemistry and Biophysics, 2006, 44, 522-529. | 0.9 | 0 |
| 151 | Structural analysis of a myotoxin-antimyotoxin complex by cross-linking, mass spectrometry, and bioinformatics. Toxicon, 2019, 158, S29-S30. | 0.8 | 0 |
| 152 | Structural discrimination analysis for constraint selection in protein modeling. Bioinformatics, 2021, 37, 3766-3773. | 1.8 | 0 |