

Luis Javier González

List of Publications by Year in descending order

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63
papers

1,331
citations

361413
20
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414414
32
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67
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67
docs citations

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times ranked

1658
citing authors

#	ARTICLE	IF	CITATIONS
1	A method for determination of N-glycosylation sites in glycoproteins by collision-induced dissociation analysis in fast atom bombardment mass spectrometry: Identification of the positions of carbohydrate-linked asparagine in recombinant α -amylase by treatment with peptide-N-glycosidase F in ^{18}O -labeled water. <i>Analytical Biochemistry</i> , 1992, 205, 151-158.	2.4	116
2	CIGB-300, a novel proapoptotic peptide that impairs the CK2 phosphorylation and exhibits anticancer properties both in vitro and in vivo. <i>Molecular and Cellular Biochemistry</i> , 2008, 316, 163-167.	3.1	86
3	Differentiating β - and γ -aspartic acids by electrospray ionization and low-energy tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 2092-2102.	1.5	67
4	Primary structure of two cytolysin isoforms from <i>Stichodactyla helianthus</i> differing in their hemolytic activity. <i>Toxicon</i> , 2001, 39, 1253-1256.	1.6	57
5	SARS-CoV-2 RBD-Tetanus Toxoid Conjugate Vaccine Induces a Strong Neutralizing Immunity in Preclinical Studies. <i>ACS Chemical Biology</i> , 2021, 16, 1223-1233.	3.4	57
6	Effect of the position of a basic amino acid on C-terminal rearrangement of protonated peptides upon collision-induced dissociation. <i>J. Mass Spectrom.</i> , 1996, 31, 150-158.		55
7	Automated interpretation of high-energy collision-induced dissociation spectra of singly protonated peptides by 'SeqMS', a software aid for de novo sequencing by tandem mass spectrometry. <i>J. Mass Spectrom.</i> , 1998, 12, 1867-1878.		43
8	Proteome analysis of <i>Leishmania (Viannia) braziliensis</i> by two-dimensional gel electrophoresis and mass spectrometry. <i>Molecular and Biochemical Parasitology</i> , 2007, 154, 6-21.	1.1	41
9	CIGB-300, a synthetic peptide-based drug that targets the CK2 phosphoacceptor domain. Translational and clinical research. <i>Molecular and Cellular Biochemistry</i> , 2011, 356, 45-50.	3.1	41
10	Automated interpretation of mass spectra of complex mixtures by matching of isotope peak distributions. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 2465-2472.	1.5	32
11	Differential soluble protein expression between <i>Trichomonas vaginalis</i> isolates exhibiting low and high virulence phenotypes. <i>Journal of Proteomics</i> , 2008, 71, 109-122.	2.4	30
12	Isotopica: a tool for the calculation and viewing of complex isotopic envelopes. <i>Nucleic Acids Research</i> , 2004, 32, W674-W678.	14.5	27
13	Cloning, expression and growth promoting action of Red tilapia (<i>Oreochromis sp.</i>) neuropeptide Y. <i>Peptides</i> , 2006, 27, 710-718.	2.4	27
14	Anaerobic growth promotes synthesis of colonization factors encoded at the <i>Vibrio</i> pathogenicity island in <i>Vibrio cholerae</i> El Tor. <i>Research in Microbiology</i> , 2009, 160, 48-56.	2.1	27
15	SCX charge state selective separation of tryptic peptides combined with 2D-RP-HPLC allows for detailed proteome mapping. <i>Journal of Proteomics</i> , 2013, 91, 164-171.	2.4	27
16	Identification of nuclear proteins of small cell lung cancer cell line H82: An improved procedure for the analysis of silver-stained proteins. <i>Electrophoresis</i> , 2003, 24, 237-252.	2.4	26
17	Proteomic Profile Regulated by the Anticancer Peptide CIGB-300 in Non-Small Cell Lung Cancer (NSCLC) Cells. <i>Journal of Proteome Research</i> , 2010, 9, 5473-5483.	3.7	26
18	Periplasmic proteins encoded by <i>VCA0261</i> and <i>VC2216</i> genes together with <i>copA</i> and <i>cueR</i> products are required for copper tolerance but not for virulence in <i>Vibrio cholerae</i> . <i>Microbiology (United Kingdom)</i> , 2012, 158, 2005-2016.	1.8	25

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19	SCAPE: A New Tool for the Selective CAPture of PEptides in Protein Identification. Journal of Proteome Research, 2005, 4, 491-496.	3.7	24
20	Development and validation of a bioanalytical LC-MS method for the quantification of GHRP-6 in human plasma. Journal of Pharmaceutical and Biomedical Analysis, 2012, 60, 19-25.	2.8	24
21	Application of two-dimensional electrophoresis and matrix-assisted laser desorption/ionization time-of-flight mass spectrometry for proteomic analysis of the sexually transmitted parasite <i>Trichomonas vaginalis</i> . Journal of Mass Spectrometry, 2007, 42, 1463-1473.	1.6	23
22	Effect of high concentration of Co (II) on <i>Enterobacter liquefaciens</i> strain C-1: A bacterium highly resistant to heavy metals with an unknown genome.. Proteomics, 2004, 4, 1265-1279.	2.2	21
23	CIGB-814, an altered peptide ligand derived from human heat-shock protein 60, decreases anti-cyclic citrullinated peptides antibodies in patients with rheumatoid arthritis. Clinical Rheumatology, 2019, 38, 955-960.	2.2	21
24	Functional and Mass Spectrometric Evaluation of an Anti-Tick Antigen Based on the PO Peptide Conjugated to Bm86 Protein. Pathogens, 2020, 9, 513.	2.8	21
25	Proteomic study via a non-gel based approach of meningococcal outer membrane vesicle vaccine obtained from strain CU385: A road map for discovering new antigens. Hum Vaccin, 2009, 5, 347-356.	2.4	20
26	Computational proteomics pitfalls and challenges: HavanaBioinfo 2012 Workshop report. Journal of Proteomics, 2013, 87, 134-138.	2.4	19
27	Concanavalin A- and Wheat Germ Agglutinin-Conjugated Lectins as a Tool for the Identification of Multiple N-Glycosylation Sites in Heterologous Protein Expressed in Yeast. Analytical Biochemistry, 1995, 231, 342-348.	2.4	18
28	Selective isolation of multiple positively charged peptides for 2-DE-free quantitative proteomics. Proteomics, 2006, 6, 4444-4455.	2.2	18
29	Proteomics Based on Peptide Fractionation by SDS-Free PAGE. Journal of Proteome Research, 2008, 7, 2427-2434.	3.7	18
30	Structural characterization and biological implications of sulfated N-glycans in a serine protease from the neotropical moth <i>Hylesia metabus</i> (Cramer [1775]) (Lepidoptera: Saturniidae). Glycobiology, 2015, 26, cww096.	2.5	18
31	A multivalent recombinant antibody fragment specific for carcinoembryonic antigen. Biotechnology and Applied Biochemistry, 2006, 43, 39.	3.1	17
32	Antimycobacterial Activity: A New Pharmacological Target for Conotoxins Found in the First Reported Conotoxin from <i>Conasprella ximenes</i> . Toxins, 2018, 10, 51.	3.4	16
33	Isolation and characterization of modified species of a mutated (Cys125→Ala) recombinant human interleukin-2. Journal of Chromatography A, 2002, 971, 129-142.	3.7	15
34	A COVID-19 vaccine candidate composed of the SARS-CoV-2 RBD dimer and <i>Neisseria meningitidis</i> outer membrane vesicles. RSC Chemical Biology, 2022, 3, 242-249.	4.1	15
35	Peptide fractionation by acid pH SDS-free electrophoresis. Electrophoresis, 2011, 32, 1323-1326.	2.4	13
36	Comparative proteomics analysis of the antitumor effect of CIGB-552 peptide in HT-29 colon adenocarcinoma cells. Journal of Proteomics, 2015, 126, 163-171.	2.4	13

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37	The metastable decomposition of a peptide containing oxidized methionine(s) in matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1999, 13, 1075-1076.	1.5	12
38	A deeper mining on the protein composition of VA-MENGOC-BC [®] : An OMV-based vaccine against <i>N. meningitidis</i> serogroup B and C. <i>Human Vaccines and Immunotherapeutics</i> , 2017, 13, 2548-2560.	3.3	11
39	In-solution buffer-free digestion allows full-sequence coverage and complete characterization of post-translational modifications of the receptor-binding domain of SARS-CoV-2 in a single ESI-MS spectrum. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 7559-7585.	3.7	11
40	Selective Isolation of Lysine-Free Tryptic Peptides Delimited by Arginine Residues: A New Tool for Proteome Analysis. <i>Journal of Proteome Research</i> , 2006, 5, 1204-1213.	3.7	10
41	Evaluation of Phenylthiocarbamoyl-Derivatized Peptides by Electrospray Ionization Mass Spectrometry: Selective Isolation and Analysis of Modified Multiply Charged Peptides for Liquid Chromatography-Tandem Mass Spectrometry Experiments. <i>Analytical Chemistry</i> , 2010, 82, 8492-8501.	6.5	10
42	Phase I Clinical Trial with a Novel Altered Peptide Ligand Derived from Human Heat-Shock Protein 60 for Treatment of Rheumatoid Arthritis: Safety, Pharmacokinetics and Preliminary Therapeutic Effects. <i>Journal of Clinical Trials</i> , 2018, 08, .	0.1	10
43	Development and validation of a bioanalytical method based on LC-MS/MS analysis for the quantitation of CIGB-814 peptide in plasma from Rheumatoid Arthritis patients. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 143, 130-140.	2.8	9
44	Protein content of the <i>Hylesia metabus</i> egg nest setae (Cramer [1775]) (Lepidoptera: Saturniidae) and its association with the parental investment for the reproductive success and lepidopterism. <i>Journal of Proteomics</i> , 2017, 150, 183-200.	2.4	9
45	Characterization of low-abundance species in the active pharmaceutical ingredient of CIGB-300: A clinical-grade anticancer synthetic peptide. <i>Journal of Peptide Science</i> , 2018, 24, e3081.	1.4	9
46	Pharmacokinetic study of Growth Hormone-Releasing Peptide 6 (GHRP-6) in nine male healthy volunteers. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 48, 40-46.	4.0	8
47	Introducing an Asp-Pro Linker in the Synthesis of Random One-Bead-One-Compound Hexapeptide Libraries Compatible with ESI-MS Analysis. <i>ACS Combinatorial Science</i> , 2012, 14, 145-149.	3.8	7
48	HI-Bone: A Scoring System for Identifying Phenylisothiocyanate-Derivatized Peptides Based on Precursor Mass and High Intensity Fragment Ions. <i>Analytical Chemistry</i> , 2013, 85, 3515-3520.	6.5	7
49	A New Member of Gamma-Conotoxin Family Isolated from <i>Conus princeps</i> Displays a Novel Molecular Target. <i>Toxins</i> , 2016, 8, 39.	3.4	7
50	Comparative proteomic analysis of growth hormone secretagogue A233 treatment of murine macrophage cells J774A.2 indicates it has a role in antiviral innate response. <i>Biochemistry and Biophysics Reports</i> , 2016, 5, 379-387.	1.3	7
51	Double acylation for identification of amino-terminal peptides of proteins isolated by polyacrylamide gel electrophoresis. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 2237-2244.	1.5	6
52	Characterization of Protein Complexes using Targeted Proteomics. <i>Current Topics in Medicinal Chemistry</i> , 2014, 14, 344-350.	2.1	6
53	Bio-analytical method based on MALDI-MS analysis for the quantification of CIGB-300 anti-tumor peptide in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 105, 107-114.	2.8	5
54	Growth hormone-releasing peptide 6 prevents cutaneous hypertrophic scarring: early mechanistic data from a proteome study. <i>International Wound Journal</i> , 2018, 15, 538-546.	2.9	5

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55	Chimeric Antigen by the Fusion of SARS-CoV-2 Receptor Binding Domain with the Extracellular Domain of Human CD154: A Promising Improved Vaccine Candidate. <i>Vaccines</i> , 2022, 10, 897.	4.4	5
56	Increased antiviral activity of microscale-purified HuiFN \pm 8 (human interferon \pm 8) over HuiFN \pm 2b in Hep-2 cells challenged with Mengo virus. <i>Biotechnology and Applied Biochemistry</i> , 2007, 48, 159.	3.1	4
57	Selective Isolationâ€”Detection of Two Different Positively Charged Peptides Groups by Strong Cation Exchange Chromatography and Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry: Application to Proteomics Studies. <i>European Journal of Mass Spectrometry</i> , 2010, 16, 693-702.	1.0	4
58	An â€œon-matrixâ€ digestion procedure for AP-MS experiments dissects the interplay between complex-conserved and serotype-specific reactivities in Dengue virus-human plasma interactome. <i>Journal of Proteomics</i> , 2019, 193, 71-84.	2.4	3
59	Synthesis, LC-MS/MS analysis, and biological evaluation of two vaccine candidates against ticks based on the antigenic PO peptide from <i>R. sanguineus</i> linked to the p64K carrier protein from <i>Neisseria meningitidis</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 5885-5900.	3.7	3
60	Letter: Specific Isotope Labeling for the Identification of Free N-Terminal Peptides of Proteins Separated by Polyacrylamide Gel Electrophoresis. <i>European Journal of Mass Spectrometry</i> , 2007, 13, 307-309.	1.0	1
61	Mass spectrometric and kinetics characterization of modified species of Growth Hormone Releasing Hexapeptide generated under thermal stress in different pH and buffers. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 194, 113776.	2.8	1
62	Selective Isolation of Multiply Charged Peptides: A Confident Strategy for Protein Identification Using a Linear Trap Quadrupole Mass Spectrometer. <i>European Journal of Mass Spectrometry</i> , 2012, 18, 505-508.	1.0	0
63	Data for comparative proteomics analysis of the antitumor effect of CIGB-552 peptide in HT-29 colon adenocarcinoma cells. <i>Data in Brief</i> , 2015, 4, 468-473.	1.0	0