## Luis Javier GonzÃ;lez

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	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
2	Chimeric Antigen by the Fusion of SARS-CoV-2 Receptor Binding Domain with the Extracellular Domain of Human CD154: A Promising Improved Vaccine Candidate. Vaccines, 2022, 10, 897.	4.4	5
3	Mass spectrometric and kinetics characterization of modified species of Growth Hormone Releasing Hexapeptide generated under thermal stress in different pH and buffers. Journal of Pharmaceutical and Biomedical Analysis, 2021, 194, 113776.	2.8	1
4	SARS-CoV-2 RBD-Tetanus Toxoid Conjugate Vaccine Induces a Strong Neutralizing Immunity in Preclinical Studies. ACS Chemical Biology, 2021, 16, 1223-1233.	3.4	57
5	Synthesis, LC-MS/MS analysis, and biological evaluation of two vaccine candidates against ticks based on the antigenic PO peptide from R. sanguineus linked to the p64K carrier protein from Neisseria meningitidis. Analytical and Bioanalytical Chemistry, 2021, 413, 5885-5900.	3.7	3
6	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. Analytical and Bioanalytical Chemistry, 2021, 413, 7559-7585.	3.7	11
7	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
8	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
9	An "on-matrix―digestion procedure for AP-MS experiments dissects the interplay between complex-conserved and serotype-specific reactivities in Dengue virus-human plasma interactome. Journal of Proteomics, 2019, 193, 71-84.	2.4	3
10	Growth hormoneâ€releasing peptide 6 prevents cutaneous hypertrophic scarring: early mechanistic data from a proteome study. International Wound Journal, 2018, 15, 538-546.	2.9	5
11	Characterization of lowâ€abundance species in the active pharmaceutical ingredient of CIGBâ€300: A clinicalâ€grade anticancer synthetic peptide. Journal of Peptide Science, 2018, 24, e3081.	1.4	9
12	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. Journal of Clinical Trials, 2018, 08, .	0.1	10
13	Antimycobacterial Activity: A New Pharmacological Target for Conotoxins Found in the First Reported Conotoxin from Conasprella ximenes. Toxins, 2018, 10, 51.	3.4	16
14	A deeper mining on the protein composition of VA-MENGOC-BC®: An OMV-based vaccine against <i>N. meningitidis</i> serogroup B and C. Human Vaccines and Immunotherapeutics, 2017, 13, 2548-2560.	3.3	11
15	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. Journal of Pharmaceutical and Biomedical Analysis, 2017, 143, 130-140.	2.8	9
16	Protein content of the Hylesia metabus egg nest setae (Cramer [1775]) (Lepidoptera: Saturniidae) and its association with the parental investment for the reproductive success and lepidopterism. Journal of Proteomics, 2017, 150, 183-200.	2.4	9
17	A New Member of Gamma-Conotoxin Family Isolated from Conus princeps Displays a Novel Molecular Target. Toxins, 2016, 8, 39.	3.4	7
18	Comparative proteomic analysis of growth hormone secretagogue A233 treatment of murine macrophage cells J774A.2 indicates it has a role in antiviral innate response. Biochemistry and Biophysics Reports, 2016, 5, 379-387.	1.3	7

Luis Javier GonzÃilez

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19	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
20	Structural characterization and biological implications of sulfatedN-glycans in a serine protease from the neotropical mothHylesia metabus(Cramer [1775]) (Lepidoptera: Saturniidae). Glycobiology, 2015, 26, cwv096.	2.5	18
21	Data for comparative proteomics analysis of the antitumor effect of CIGB-552 peptide in HT-29 colon adenocarcinoma cells. Data in Brief, 2015, 4, 468-473.	1.0	Ο
22	Bio-analytical method based on MALDI-MS analysis for the quantification of CIGB-300 anti-tumor peptide in human plasma. Journal of Pharmaceutical and Biomedical Analysis, 2015, 105, 107-114.	2.8	5
23	Characterization of Protein Complexes using Targeted Proteomics. Current Topics in Medicinal Chemistry, 2014, 14, 344-350.	2.1	6
24	SCX charge state selective separation of tryptic peptides combined with 2D-RP-HPLC allows for detailed proteome mapping. Journal of Proteomics, 2013, 91, 164-171.	2.4	27
25	Computational proteomics pitfalls and challenges: HavanaBioinfo 2012 Workshop report. Journal of Proteomics, 2013, 87, 134-138.	2.4	19
26	Pharmacokinetic study of Growth Hormone-Releasing Peptide 6 (GHRP-6) in nine male healthy volunteers. European Journal of Pharmaceutical Sciences, 2013, 48, 40-46.	4.0	8
27	HI-Bone: A Scoring System for Identifying Phenylisothiocyanate-Derivatized Peptides Based on Precursor Mass and High Intensity Fragment Ions. Analytical Chemistry, 2013, 85, 3515-3520.	6.5	7
28	Periplasmic proteins encoded by VCA0261–0260 and VC2216 genes together with copA and cueR products are required for copper tolerance but not for virulence in Vibrio cholerae. Microbiology (United Kingdom), 2012, 158, 2005-2016.	1.8	25
29	Selective Isolation of Multiply Charged Peptides: A Confident Strategy for Protein Identification Using a Linear Trap Quadrupole Mass Spectrometer. European Journal of Mass Spectrometry, 2012, 18, 505-508.	1.0	Ο
30	Introducing an Asp-Pro Linker in the Synthesis of Random One-Bead-One-Compound Hexapeptide Libraries Compatible with ESI-MS Analysis. ACS Combinatorial Science, 2012, 14, 145-149.	3.8	7
31	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
32	CIGB-300, a synthetic peptide-based drug that targets the CK2 phosphoaceptor domain. Translational and clinical research. Molecular and Cellular Biochemistry, 2011, 356, 45-50.	3.1	41
33	Peptide fractionation by acid pH SDSâ€free electrophoresis. Electrophoresis, 2011, 32, 1323-1326.	2.4	13
34	Selective Isolation—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. European Journal of Mass Spectrometry, 2010, 16, 693-702.	1.0	4
35	Evaluation of Phenylthiocarbamoyl-Derivatized Peptides by Electrospray Ionization Mass Spectrometry: Selective Isolation and Analysis of Modified Multiply Charged Peptides for Liquid Chromatographyâ°'Tandem Mass Spectrometry Experiments. Analytical Chemistry, 2010, 82, 8492-8501.	6.5	10
36	Proteomic Profile Regulated by the Anticancer Peptide CIGB-300 in Non-Small Cell Lung Cancer (NSCLC) Cells. Journal of Proteome Research, 2010, 9, 5473-5483.	3.7	26

Luis Javier GonzÃilez

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37	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
38	Anaerobic growth promotes synthesis of colonization factors encoded at the Vibrio pathogenicity island in Vibrio cholerae El Tor. Research in Microbiology, 2009, 160, 48-56.	2.1	27
39	CICB-300, a novel proapoptotic peptide that impairs the CK2 phosphorylation and exhibits anticancer properties both inAvitro and inAvivo. Molecular and Cellular Biochemistry, 2008, 316, 163-167.	3.1	86
40	Differential soluble protein expression between Trichomonas vaginalis isolates exhibiting low and high virulence phenotypes. Journal of Proteomics, 2008, 71, 109-122.	2.4	30
41	Proteomics Based on Peptide Fractionation by SDS-Free PAGE. Journal of Proteome Research, 2008, 7, 2427-2434.	3.7	18
42	Letter: Specific Isotope Labeling for the Identification of Free N-Terminal Peptides of Proteins Separated by Polyacrylamide Gel Electrophoresis. European Journal of Mass Spectrometry, 2007, 13, 307-309.	1.0	1
43	Application of twoâ€dimensional electrophoresis and matrixâ€assisted laser desorption/ionization timeâ€ofâ€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
44	Double acylation for identification of amino-terminal peptides of proteins isolated by polyacrylamide gel electrophoresis. Rapid Communications in Mass Spectrometry, 2007, 21, 2237-2244.	1.5	6
45	Proteome analysis of Leishmania (Viannia) braziliensis by two-dimensional gel electrophoresis and mass spectrometry. Molecular and Biochemical Parasitology, 2007, 154, 6-21.	1.1	41
46	Increased antiviral activity of microscale-purified HuIFNα8 (human interferon α8) over HuIFNα2b in Hep-2 cells challenged with Mengo virus. Biotechnology and Applied Biochemistry, 2007, 48, 159.	3.1	4
47	Selective Isolation of Lysine-Free Tryptic Peptides Delimited by Arginine Residues:Â A New Tool for Proteome Analysis. Journal of Proteome Research, 2006, 5, 1204-1213.	3.7	10
48	Cloning, expression and growth promoting action of Red tilapia (Oreochromis sp.) neuropeptide Y. Peptides, 2006, 27, 710-718.	2.4	27
49	Selective isolation of multiple positively charged peptides for 2-DE-free quantitative proteomics. Proteomics, 2006, 6, 4444-4455.	2.2	18
50	A multivalent recombinant antibody fragment specific for carcinoembryonic antigen. Biotechnology and Applied Biochemistry, 2006, 43, 39.	3.1	17
51	SCAPE:Â A New Tool for the Selective CApture of PEptides in Protein Identification. Journal of Proteome Research, 2005, 4, 491-496.	3.7	24
52	Effect of high concentration of Co (II) onEnterobacter liquefaciens strain C-1: A bacterium highly resistant to heavy metals with an unknown genome Proteomics, 2004, 4, 1265-1279.	2.2	21
53	Automated interpretation of mass spectra of complex mixtures by matching of isotope peak distributions. Rapid Communications in Mass Spectrometry, 2004, 18, 2465-2472.	1.5	32
54	Isotopica: a tool for the calculation and viewing of complex isotopic envelopes. Nucleic Acids Research, 2004, 32, W674-W678.	14.5	27

Luis Javier GonzÃilez

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55	Identification of nuclear proteins of small cell lung cancer cell line H82: An improved procedure for the analysis of silver-stained proteins. Electrophoresis, 2003, 24, 237-252.	2.4	26
56	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
57	Primary structure of two cytolysin isoforms from Stichodactyla helianthus differing in their hemolytic activity Toxicon, 2001, 39, 1253-1256.	1.6	57
58	Differentiating ?- and ?-aspartic acids by electrospray ionization and low-energy tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2000, 14, 2092-2102.	1.5	67
59	The metastable decomposition of a peptide containing oxidized methionine(s) in matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 1999, 13, 1075-1076.	1.5	12
60	Automated interpretation of high-energy collision-induced dissociation spectra of singly protonated peptides by †seqms', a software aid forde novo sequencing by tandem mass spectrometry. , 1998, 12, 1867-1878.		43
61	Effect of the position of a basic amino acid onC-terminal rearrangement of protonated peptides upon collision-induced dissociation. , 1996, 31, 150-158.		55
62	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
63	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 î±-amylase by treatment with peptide-N-glycosidase F in 180-labeled water. Analytical Biochemistry. 1992. 205. 151-158.	2.4	116