

Ibon Iloro

List of Publications by Year in descending order

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46
papers

1,265
citations

304368

22
h-index

377514

34
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47
all docs

47
docs citations

47
times ranked

1926
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive Proteomic Analysis of Human Endometrial Fluid Aspirate. <i>Journal of Proteome Research</i> , 2009, 8, 4622-4632.	1.8	107
2	DNA-induced Secondary Structure of the Carboxyl-terminal Domain of Histone H1. <i>Journal of Biological Chemistry</i> , 2005, 280, 32141-32147.	1.6	86
3	Human tear proteomics and peptidomics in ophthalmology: Toward the translation of proteomic biomarkers into clinical practice. <i>Journal of Proteomics</i> , 2017, 150, 359-367.	1.2	82
4	Structural and Functional Roles of HIV-1 gp41 Pretransmembrane Sequence Segmentation. <i>Biophysical Journal</i> , 2003, 85, 3769-3780.	0.2	79
5	Thermal and pH-Induced Conformational Changes of a β^2 -Sheet Protein Monitored by Infrared Spectroscopy. <i>Biochemistry</i> , 1999, 38, 1525-1530.	1.2	70
6	High-throughput proteomic characterization of plasma rich in growth factors (PRGF-Endoret)-derived fibrin clot interactome. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, E1-E12.	1.3	66
7	Effect of sphingomyelin and cholesterol on the interaction of St II with lipidic interfaces. <i>Toxicon</i> , 2007, 49, 68-81.	0.8	58
8	Human Basal Tear Peptidome Characterization by CID, HCD, and ETD Followed by in Silico and in Vitro Analyses for Antimicrobial Peptide Identification. <i>Journal of Proteome Research</i> , 2015, 14, 2649-2658.	1.8	48
9	Unveiling the olfactory proteostatic disarrangement in Parkinson's disease by proteome-wide profiling. <i>Neurobiology of Aging</i> , 2019, 73, 123-134.	1.5	48
10	Proteome analysis of human serum proteins adsorbed onto different titanium surfaces used in dental implants. <i>Biofouling</i> , 2017, 33, 98-111.	0.8	45
11	Capsid protein identification and analysis of mature Triatoma virus (TrV) virions and naturally occurring empty particles. <i>Virology</i> , 2011, 409, 91-101.	1.1	42
12	MALDI-Imaging Mass Spectrometry: a step forward in the anatomopathological characterization of stenotic aortic valve tissue. <i>Scientific Reports</i> , 2016, 6, 27106.	1.6	39
13	Differential proteomic analysis of endometrial fluid suggests increased inflammation and impaired glucose metabolism in non-implantative IVF cycles and pinpoints PYGB as a putative implantation marker. <i>Human Reproduction</i> , 2018, 33, 1898-1906.	0.4	38
14	Quantitative structure-activity relationship based screening of bioactive peptides identified in ripened cheese. <i>International Dairy Journal</i> , 2013, 33, 184-190.	1.5	37
15	Do Sequence Repeats Play an Equivalent Role in the Choline-binding Module of Pneumococcal LytA Amidase?. <i>Journal of Biological Chemistry</i> , 2000, 275, 26842-26855.	1.6	33
16	Calcium-Dependent Conformational Rearrangements and Protein Stability in Chicken Annexin A5. <i>Biophysical Journal</i> , 2002, 83, 2280-2291.	0.2	28
17	Role of the Transmembrane Domain in the Stability of TrwB, an Integral Protein Involved in Bacterial Conjugation. <i>Journal of Biological Chemistry</i> , 2004, 279, 10955-10961.	1.6	28
18	Evaluation of inter-day and inter-individual variability of tear peptide/protein profiles by MALDI-TOF MS analyses. <i>Molecular Vision</i> , 2012, 18, 1572-82.	1.1	28

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19	Methionine Adenosyltransferase α -Helix Structure Unfolds at Lower Temperatures than β -Sheet: A 2D-IR Study. <i>Biophysical Journal</i> , 2004, 86, 3951-3958.	0.2	27
20	LUZP1, a novel regulator of primary cilia and the actin cytoskeleton, is a contributing factor in Townes-Brocks Syndrome. <i>ELife</i> , 2020, 9, .	2.8	27
21	Analysis of Root Plasma Membrane Aquaporins from <i>Brassica oleracea</i> : Post-Translational Modifications, <i>de novo</i> Sequencing and Detection of Isoforms by High Resolution Mass Spectrometry. <i>Journal of Proteome Research</i> , 2010, 9, 3479-3494.	1.8	25
22	Multicentric study of the effect of pre-analytical variables in the quality of plasma samples stored in biobanks using different complementary proteomic methods. <i>Journal of Proteomics</i> , 2017, 150, 109-120.	1.2	25
23	In-depth proteomics and natural peptidomics analyses reveal antibacterial peptides in human endometrial fluid. <i>Journal of Proteomics</i> , 2020, 216, 103652.	1.2	22
24	Proteomic analysis of processing by-products from canned and fresh tuna: Identification of potentially functional food proteins. <i>Food Chemistry</i> , 2012, 134, 1211-1219.	4.2	19
25	Characterization of Ejl, the cell-wall amidase coded by the pneumococcal bacteriophage Ej-1. <i>Protein Science</i> , 2009, 11, 1788-1799.	3.1	18
26	A two-dimensional IR spectroscopic (2D-IR) simulation of protein conformational changes. <i>Spectroscopy</i> , 2004, 18, 49-58.	0.8	14
27	Characterization of serum proteins attached to distinct sol-gel hybrid surfaces. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 1477-1485.	1.6	14
28	A Bacterial TrwC Relaxase Domain Contains a Thermally Stable α -Helical Core. <i>Journal of Bacteriology</i> , 2003, 185, 4226-4232.	1.0	13
29	Human tear peptide/protein profiling study of ocular surface diseases by SPE-MALDI-TOF mass spectrometry analyses. <i>EuPA Open Proteomics</i> , 2014, 3, 206-215.	2.5	13
30	Langartech: A Custom-Made MALDI Matrix Sprayer for MALDI Imaging Mass Spectrometry. <i>Journal of the Association for Laboratory Automation</i> , 2016, 21, 260-267.	2.8	13
31	Simulation of FT-IR spectra and 2D-COS analysis for the H/D exchange of two related ligands. <i>Journal of Molecular Structure</i> , 2006, 799, 153-157.	1.8	11
32	Affinity for the Interface Underpins Potency of Antibodies Operating In Membrane Environments. <i>Cell Reports</i> , 2020, 32, 108037.	2.9	10
33	The Kinetics of the Hydrogen/Deuterium Exchange of Epidermal Growth Factor Receptor Ligands. <i>Biophysical Journal</i> , 2008, 94, 4041-4055.	0.2	9
34	Non-invasive detection of drug toxicity in rats by solid-phase extraction and MALDI-TOF analysis of urine samples. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2311-2320.	1.9	9
35	Smelling the Dark Proteome: Functional Characterization of PITH Domain-Containing Protein 1 (C1orf128) in Olfactory Metabolism. <i>Journal of Proteome Research</i> , 2020, 19, 4826-4843.	1.8	8
36	<i>Borrelia burgdorferi</i> infection induces long-term memory-like responses in macrophages with tissue-wide consequences in the heart. <i>PLoS Biology</i> , 2021, 19, e3001062.	2.6	7

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37	Mass Spectrometric Identification of Endogenous Peptides. <i>Methods in Molecular Biology</i> , 2018, 1719, 59-70.	0.4	5
38	Silica-gelatin hybrid sol-gel coatings: A proteomic study with biocompatibility implications. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 1769-1779.	1.3	5
39	Identification of bioactive peptides in raw sheep milk ripened cheese by mass spectrometry combined with quantitative structure activity relationship (QSAR) Analysis.. <i>Journal of Biotechnology</i> , 2010, 150, 60-60.	1.9	3
40	Two-Dimensional Infrared Correlation Spectroscopy. , 2006, , 73-88.		3
41	Focal accumulation of aromaticity at the CDRH3 loop mitigates 4E10 polyreactivity without altering its HIV neutralization profile. <i>IScience</i> , 2021, 24, 102987.	1.9	1
42	Methods for Human Olfactory Bulb Tissue Studies Using Peptide/Protein MALDI-TOF Imaging Mass Spectrometry (MALDI-IMS). <i>Neuromethods</i> , 2017, , 91-106.	0.2	1
43	Molecular Histology Analysis of Cryopreserved Tissue Using Peptide/Protein MALDI-TOF Imaging Mass Spectrometry (MALDI-IMS). <i>Methods in Molecular Biology</i> , 2022, 2420, 177-190.	0.4	1
44	VP4 Protein Appears as a Product of RNA Encapsidation in Triatoma Virus (TRV). <i>Biophysical Journal</i> , 2011, 100, 404a.	0.2	0
45	Identification and Characterization of Immunodominant Proteins from Tick Tissue Extracts Inducing a Protective Immune Response against <i>Ixodes ricinus</i> in Cattle. <i>Vaccines</i> , 2021, 9, 636.	2.1	0
46	A 2D-Infrared Study of Human Lipoproteins. , 2005, , 135-143.		0