

# Rui Vitorino

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/8921979/rui-vitorino-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

212  
papers

4,948  
citations

36  
h-index

59  
g-index

237  
ext. papers

5,847  
ext. citations

4.6  
avg. IF

5.66  
L-index

#	Paper	IF	Citations
212	Identification of human whole saliva protein components using proteomics. <i>Proteomics</i> , <b>2004</b> , 4, 1109-15	4.8	238
211	Optimization and characterization of biosurfactant production by <i>Bacillus subtilis</i> isolates towards microbial enhanced oil recovery applications. <i>Fuel</i> , <b>2013</b> , 111, 259-268	7.1	233
210	A synopsis on aging-Theories, mechanisms and future prospects. <i>Ageing Research Reviews</i> , <b>2016</b> , 29, 90-112	12	165
209	Antimicrobial peptides: an alternative for innovative medicines?. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 2023-40	5.7	125
208	Two-dimensional electrophoresis study of in vitro pellicle formation and dental caries susceptibility. <i>European Journal of Oral Sciences</i> , <b>2006</b> , 114, 147-53	2.3	112
207	Reactivity of human salivary proteins families toward food polyphenols. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 5535-47	5.7	105
206	Binding of epigallocatechin-3-gallate to transthyretin modulates its amyloidogenicity. <i>FEBS Letters</i> , <b>2009</b> , 583, 3569-76	3.8	105
205	Analysis of the human saliva proteome. <i>Expert Review of Proteomics</i> , <b>2005</b> , 2, 521-39	4.2	95
204	Exploring the monocrotaline animal model for the study of pulmonary arterial hypertension: A network approach. <i>Pulmonary Pharmacology and Therapeutics</i> , <b>2015</b> , 35, 8-16	3.5	91
203	One decade of salivary proteomics: current approaches and outstanding challenges. <i>Clinical Biochemistry</i> , <b>2013</b> , 46, 506-17	3.5	90
202	Effects of olive oil polyphenols on erythrocyte oxidative damage. <i>Molecular Nutrition and Food Research</i> , <b>2009</b> , 53, 609-16	5.9	82
201	Subsarcolemmal and intermyofibrillar mitochondria proteome differences disclose functional specializations in skeletal muscle. <i>Proteomics</i> , <b>2010</b> , 10, 3142-54	4.8	82
200	Post-translational modifications and mass spectrometry detection. <i>Free Radical Biology and Medicine</i> , <b>2013</b> , 65, 925-941	7.8	80
199	Salivary peptidomics. <i>Expert Review of Proteomics</i> , <b>2010</b> , 7, 709-21	4.2	78
198	Gla-rich protein acts as a calcification inhibitor in the human cardiovascular system. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2015</b> , 35, 399-408	9.4	75
197	Proteomics of immune-challenged <i>Drosophila melanogaster</i> larvae hemolymph. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 328, 106-15	3.4	73
196	The role of salivary peptides in dental caries. <i>Biomedical Chromatography</i> , <b>2005</b> , 19, 214-22	1.7	72

195	Effect of the pH of growth on the survival of <i>Lactobacillus delbrueckii</i> subsp. <i>bulgaricus</i> to stress conditions during spray-drying. <i>Journal of Applied Microbiology</i> , <b>2005</b> , 98, 775-82	4.7	70
194	Overexpression of tumour-associated carbohydrate antigen sialyl-Tn in advanced bladder tumours. <i>Molecular Oncology</i> , <b>2013</b> , 7, 719-31	7.9	64
193	Synthesis and optimization of lectin functionalized nanoprobe for the selective recovery of glycoproteins from human body fluids. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 7035-43	7.8	64
192	Biological Implications of Differential Expression of Mitochondrial-Shaping Proteins in Parkinson's Disease. <i>Antioxidants</i> , <b>2017</b> , 7,	7.1	62
191	Expression and functionality of histone H2A variants in cancer. <i>Oncotarget</i> , <b>2014</b> , 5, 3428-43	3.3	53
190	Uncovering the molecular networks in periodontitis. <i>Proteomics - Clinical Applications</i> , <b>2014</b> , 8, 748-61	3.1	51
189	Molecular insights into mitochondrial dysfunction in cancer-related muscle wasting. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2014</b> , 1841, 896-905	5	50
188	Oxidation of bovine serum albumin: identification of oxidation products and structural modifications. <i>Rapid Communications in Mass Spectrometry</i> , <b>2009</b> , 23, 2307-15	2.2	50
187	Bladder cancer-induced skeletal muscle wasting: disclosing the role of mitochondria plasticity. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2013</b> , 45, 1399-409	5.6	46
186	Effects of chitoooligosaccharides on human red blood cell morphology and membrane protein structure. <i>Biomacromolecules</i> , <b>2008</b> , 9, 3346-52	6.9	46
185	Multiplicity of aspartic proteinases from <i>Cynara cardunculus</i> L. <i>Planta</i> , <b>2009</b> , 230, 429-39	4.7	43
184	<i>Drosophila melanogaster</i> larval hemolymph protein mapping. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 312, 545-54	3.4	42
183	Subcellular proteomics of mice gastrocnemius and soleus muscles. <i>Analytical Biochemistry</i> , <b>2007</b> , 366, 156-69	3.1	41
182	Salivary proteome and peptidome profiling in type 1 diabetes mellitus using a quantitative approach. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 1700-9	5.6	40
181	Finding new posttranslational modifications in salivary proline-rich proteins. <i>Proteomics</i> , <b>2010</b> , 10, 3732-42	4.8	37
180	Peptidomic analysis of human acquired enamel pellicle. <i>Biomedical Chromatography</i> , <b>2007</b> , 21, 1107-17	1.7	37
179	Skeletal muscle atrophy increases cell proliferation in mice gastrocnemius during the first week of hindlimb suspension. <i>European Journal of Applied Physiology</i> , <b>2006</b> , 97, 340-6	3.4	37
178	Cross-species comparison of mammalian saliva using an LC-MALDI based proteomic approach. <i>Proteomics</i> , <b>2015</b> , 15, 1598-607	4.8	36

177	Glycation and oxidation of histones H2B and H1: in vitro study and characterization by mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 399, 3529-39	4.4	36
176	Analysis of salivary peptides using HPLC-electrospray mass spectrometry. <i>Biomedical Chromatography</i> , <b>2004</b> , 18, 570-5	1.7	35
175	Peptide profile of human acquired enamel pellicle using MALDI tandem MS. <i>Journal of Separation Science</i> , <b>2008</b> , 31, 523-37	3.4	34
174	Cytotoxicity and cell signalling induced by continuous mild hyperthermia in freshly isolated mouse hepatocytes. <i>Toxicology</i> , <b>2006</b> , 224, 210-8	4.4	34
173	Towards defining the whole salivary peptidome. <i>Proteomics - Clinical Applications</i> , <b>2009</b> , 3, 528-540	3.1	33
172	A simple aptamer-based colorimetric assay for rapid detection of C-reactive protein using gold nanoparticles. <i>Talanta</i> , <b>2020</b> , 214, 120868	6.2	32
171	Toward a standardized saliva proteome analysis methodology. <i>Journal of Proteomics</i> , <b>2012</b> , 75, 5140-65	3.9	32
170	Lifelong physical activity modulation of the skeletal muscle mitochondrial proteome in mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2010</b> , 65, 832-42	6.4	32
169	Recent insights on the molecular mechanisms and therapeutic approaches for cardiac cachexia. <i>Clinical Biochemistry</i> , <b>2014</b> , 47, 8-15	3.5	31
168	High-yield expression in Escherichia coli and purification of mouse ubiquitin-activating enzyme E1. <i>Molecular Biotechnology</i> , <b>2012</b> , 51, 254-61	3	31
167	Presence of cytosolic peroxiredoxin 2 in the erythrocyte membrane of patients with hereditary spherocytosis. <i>Blood Cells, Molecules, and Diseases</i> , <b>2008</b> , 41, 5-9	2.1	31
166	In vitro hydroxyapatite adsorbed salivary proteins. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 320, 342-6	3.4	31
165	Biotechnological tools for the effective management of plastics in the environment. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2019</b> , 49, 410-441	11.1	31
164	An evolutionary perspective of mammal salivary peptide families: cystatins, histatins, statherin and PRPs. <i>Archives of Oral Biology</i> , <b>2013</b> , 58, 451-8	2.8	30
163	Proteomic characterization of vanA-containing Enterococcus recovered from Seagulls at the Berlengas Natural Reserve, W Portugal. <i>Proteome Science</i> , <b>2010</b> , 8, 48	2.6	30
162	Magnetic chelating nanoprobe for enrichment and selective recovery of metalloproteases from human saliva. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 238-249	7.3	29
161	Human Antimicrobial Peptides in Bodily Fluids: Current Knowledge and Therapeutic Perspectives in the Postantibiotic Era. <i>Medicinal Research Reviews</i> , <b>2018</b> , 38, 101-146	14.4	27
160	Adrenaline and reactive oxygen species elicit proteome and energetic metabolism modifications in freshly isolated rat cardiomyocytes. <i>Toxicology</i> , <b>2009</b> , 260, 84-96	4.4	27

159	Negative synergistic impacts of ocean warming and acidification on the survival and proteome of the commercial sea bream, <i>Sparus aurata</i> . <i>Journal of Sea Research</i> , <b>2018</b> , 139, 50-61	1.9	26
158	Functionalized Gold Nanoparticles for the Detection of C-Reactive Protein. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	26
157	Pursuing type 1 diabetes mellitus and related complications through urinary proteomics. <i>Translational Research</i> , <b>2014</b> , 163, 188-99	11	26
156	Endurance training prevents TWEAK but not myostatin-mediated cardiac remodelling in cancer cachexia. <i>Archives of Biochemistry and Biophysics</i> , <b>2015</b> , 567, 13-21	4.1	26
155	Proteolysis activation and proteome alterations in murine skeletal muscle submitted to 1 week of hindlimb suspension. <i>European Journal of Applied Physiology</i> , <b>2009</b> , 107, 553-63	3.4	26
154	Unraveling the exercise-related proteome signature in heart. <i>Basic Research in Cardiology</i> , <b>2015</b> , 110, 454	11.8	25
153	Digging Deep into Peptidomics Applied to Body Fluids. <i>Proteomics</i> , <b>2018</b> , 18, 1700401	4.8	25
152	Salivary peptidomic as a tool to disclose new potential antimicrobial peptides. <i>Journal of Proteomics</i> , <b>2015</b> , 115, 49-57	3.9	25
151	Changes in the salivary protein profile of morbidly obese women either previously subjected to bariatric surgery or not. <i>Journal of Physiology and Biochemistry</i> , <b>2015</b> , 71, 691-702	5	24
150	Proteome of a methicillin-resistant <i>Staphylococcus aureus</i> clinical strain of sequence type ST398. <i>Journal of Proteomics</i> , <b>2012</b> , 75, 2892-915	3.9	24
149	Mass spectrometry characterization of the glycation sites of bovine insulin by tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2009</b> , 20, 1319-26	3.5	24
148	OXPHOS susceptibility to oxidative modifications: the role of heart mitochondrial subcellular location. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2011</b> , 1807, 1106-13	4.6	23
147	Hierridin B Isolated from a Marine Cyanobacterium Alters VDAC1, Mitochondrial Activity, and Cell Cycle Genes on HT-29 Colon Adenocarcinoma Cells. <i>Marine Drugs</i> , <b>2016</b> , 14,	6	23
146	Temperature Modulates the Secretome of the Phytopathogenic Fungus <i>Lasiodiplodia theobromae</i> . <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 1096	6.2	23
145	Ocean warming alters cellular metabolism and induces mortality in fish early life stages: A proteomic approach. <i>Environmental Research</i> , <b>2016</b> , 148, 164-176	7.9	23
144	Gold nanoparticles and bioconjugation: a pathway for proteomic applications. <i>Critical Reviews in Biotechnology</i> , <b>2017</b> , 37, 238-250	9.4	22
143	Codon misreading tRNAs promote tumor growth in mice. <i>RNA Biology</i> , <b>2018</b> , 15, 773-786	4.8	22
142	Evaluation of different extraction procedures for salivary peptide analysis. <i>Talanta</i> , <b>2012</b> , 94, 209-15	6.2	22

141	Ripening-related changes in the cell walls of olive ( <i>Olea europaea</i> L.) pulp of two consecutive harvests. <i>Journal of the Science of Food and Agriculture</i> , <b>2006</b> , 86, 988-998	4.3	22
140	Secretome analysis of <i>Trichoderma atroviride</i> T17 biocontrol of <i>Guignardia citricarpa</i> . <i>Biological Control</i> , <b>2016</b> , 99, 38-46	3.8	22
139	Dormancy within <i>Staphylococcus epidermidis</i> biofilms: a transcriptomic analysis by RNA-seq. <i>Applied Microbiology and Biotechnology</i> , <b>2014</b> , 98, 2585-96	5.7	21
138	Exploring the role of post-translational modifications on protein-protein interactions with survivin. <i>Archives of Biochemistry and Biophysics</i> , <b>2013</b> , 538, 64-70	4.1	21
137	Lipidomic characterization of streptozotocin-induced heart mitochondrial dysfunction. <i>Mitochondrion</i> , <b>2013</b> , 13, 762-71	4.9	21
136	<i>Trichoderma harzianum</i> T1A constitutively secretes proteins involved in the biological control of <i>Guignardia citricarpa</i> . <i>Biological Control</i> , <b>2017</b> , 106, 99-109	3.8	20
135	The histone H2A isoform Hist2h2ac is a novel regulator of proliferation and epithelial-mesenchymal transition in mammary epithelial and in breast cancer cells. <i>Cancer Letters</i> , <b>2017</b> , 396, 42-52	9.9	20
134	Impact of in Vitro Gastrointestinal Digestion and Transepithelial Transport on Antioxidant and ACE-Inhibitory Activities of Brewer's Spent Yeast Autolysate. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 7335-7341	5.7	20
133	Comparative proteomics of an extended spectrum $\beta$ -lactamase producing <i>Escherichia coli</i> strain from the Iberian wolf. <i>Journal of Proteomics</i> , <b>2014</b> , 104, 80-93	3.9	19
132	Toward the definition of a peptidome signature and protease profile in chronic periodontitis. <i>Proteomics - Clinical Applications</i> , <b>2015</b> , 9, 917-27	3.1	19
131	Salivary peptidome in type 1 diabetes mellitus. <i>Biomedical Chromatography</i> , <b>2012</b> , 26, 571-82	1.7	19
130	From Proteomic Analysis to Potential Therapeutic Targets: Functional Profile of Two Lung Cancer Cell Lines, A549 and SW900, Widely Studied in Pre-Clinical Research. <i>PLoS ONE</i> , <b>2016</b> , 11, e0165973	3.7	19
129	Insights into the human brain proteome: Disclosing the biological meaning of protein networks in cerebrospinal fluid. <i>Critical Reviews in Clinical Laboratory Sciences</i> , <b>2017</b> , 54, 185-204	9.4	18
128	Pericardial fluid: an underrated molecular library of heart conditions and a potential vehicle for cardiac therapy. <i>Basic Research in Cardiology</i> , <b>2019</b> , 114, 10	11.8	18
127	Mitochondrial plasticity in cancer-related muscle wasting: potential approaches for its management. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2015</b> , 18, 226-33	3.8	18
126	Oxidative modifications in glycated insulin. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 397, 1985-95	4.4	18
125	Uncovering the exercise-related proteome signature in skeletal muscle. <i>Proteomics</i> , <b>2016</b> , 16, 816-30	4.8	18
124	Cytotoxicity of portoamides in human cancer cells and analysis of the molecular mechanisms of action. <i>PLoS ONE</i> , <b>2017</b> , 12, e0188817	3.7	17

123	Identification of salivary proteins at oil-water interfaces stabilized by lysozyme and beta-lactoglobulin. <i>Archives of Oral Biology</i> , <b>2010</b> , 55, 268-78	2.8	17
122	The glycation site specificity of human serum transferrin is a determinant for transferrin functional impairment under elevated glycaemic conditions. <i>Biochemical Journal</i> , <b>2014</b> , 461, 33-42	3.8	16
121	Effect of lifestyle on age-related mitochondrial protein oxidation in mice cardiac muscle. <i>European Journal of Applied Physiology</i> , <b>2012</b> , 112, 1467-74	3.4	16
120	Immunoproteomic analysis of Plasmodium falciparum antigens using sera from patients with clinical history of imported malaria. <i>Malaria Journal</i> , <b>2013</b> , 12, 100	3.6	16
119	Proteomic profile of dormancy within Staphylococcus epidermidis biofilms using iTRAQ and label-free strategies. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 2751-62	5.7	16
118	Protease profiling of different biofluids in type 1 diabetes mellitus. <i>Clinical Biochemistry</i> , <b>2012</b> , 45, 1613-25	3.5	16
117	Characterization of mitochondrial proteome in a severe case of ETF-QO deficiency. <i>Journal of Proteomics</i> , <b>2011</b> , 75, 221-8	3.9	16
116	Epicardial adipose tissue volume and annexin A2/fetuin-A signalling are linked to coronary calcification in advanced coronary artery disease: Computed tomography and proteomic biomarkers from the EPICHEART study. <i>Atherosclerosis</i> , <b>2020</b> , 292, 75-83	3.1	16
115	Sex differences on adipose tissue remodeling: from molecular mechanisms to therapeutic interventions. <i>Journal of Molecular Medicine</i> , <b>2020</b> , 98, 483-493	5.5	15
114	Glycan affinity magnetic nanoplatfoms for urinary glycomarkers discovery in bladder cancer. <i>Talanta</i> , <b>2018</b> , 184, 347-355	6.2	15
113	Lifelong exercise training modulates cardiac mitochondrial phosphoproteome in rats. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 2045-55	5.6	15
112	Bionanoconjugation for proteomics applications - An overview. <i>Biotechnology Advances</i> , <b>2014</b> , 32, 952-70	7.8	15
111	Unraveling the phosphoproteome dynamics in mammal mitochondria from a network perspective. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 4257-67	5.6	15
110	Genomic and proteomic evaluation of antibiotic resistance in Salmonella strains. <i>Journal of Proteomics</i> , <b>2010</b> , 73, 1535-41	3.9	15
109	Tetracycline and rifampicin induced a viable but nonculturable state in Staphylococcus epidermidis biofilms. <i>Future Microbiology</i> , <b>2018</b> , 13, 27-36	2.9	14
108	Insight into the molecular basis of Schistosoma haematobium-induced bladder cancer through urine proteomics. <i>Tumor Biology</i> , <b>2016</b> , 37, 11279-87	2.9	14
107	Sugar or fat: The metabolic choice of the trained heart. <i>Metabolism: Clinical and Experimental</i> , <b>2018</b> , 87, 98-104	12.7	14
106	A glimpse into the modulation of post-translational modifications of human-colonizing bacteria. <i>Journal of Proteomics</i> , <b>2017</b> , 152, 254-275	3.9	14

105	Evolution of C, D and S-type cystatins in mammals: an extensive gene duplication in primates. <i>PLoS ONE</i> , <b>2014</b> , 9, e109050	3.7	14
104	Cellular patterns of the atrophic response in murine soleus and gastrocnemius muscles submitted to simulated weightlessness. <i>European Journal of Applied Physiology</i> , <b>2007</b> , 101, 331-40	3.4	14
103	Chemical characterization and cytotoxic potential of an ellagitannin-enriched fraction from <i>Fragaria vesca</i> leaves. <i>Arabian Journal of Chemistry</i> , <b>2019</b> , 12, 3652-3666	5.9	14
102	Long-term exercise training prevents mammary tumorigenesis-induced muscle wasting in rats through the regulation of TWEAK signalling. <i>Acta Physiologica</i> , <b>2017</b> , 219, 803-813	5.6	13
101	Sulfate-based lipids: Analysis of healthy human fluids and cell extracts. <i>Chemistry and Physics of Lipids</i> , <b>2019</b> , 221, 53-64	3.7	13
100	An immunoproteomic approach for characterization of dormancy within <i>Staphylococcus epidermidis</i> biofilms. <i>Molecular Immunology</i> , <b>2015</b> , 65, 429-35	4.3	12
99	Biomarkers for cardiac cachexia: reality or utopia. <i>Clinica Chimica Acta</i> , <b>2014</b> , 436, 323-8	6.2	12
98	An integrated perspective and functional impact of the mitochondrial acetylome. <i>Expert Review of Proteomics</i> , <b>2014</b> , 11, 383-94	4.2	12
97	Remodeling of liver phospholipidomic profile in streptozotocin-induced diabetic rats. <i>Archives of Biochemistry and Biophysics</i> , <b>2013</b> , 538, 95-102	4.1	12
96	Impaired protein quality control system underlies mitochondrial dysfunction in skeletal muscle of streptozotocin-induced diabetic rats. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2012</b> , 1822, 1189-97	6.9	12
95	Early myocardial changes induced by doxorubicin in the nonfailing dilated ventricle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2019</b> , 316, H459-H475	5.2	12
94	Unveiling antimicrobial peptide-generating human proteases using PROTEASIX. <i>Journal of Proteomics</i> , <b>2018</b> , 171, 53-62	3.9	11
93	Mitochondria proteome profiling: a comparative analysis between gel- and gel-free approaches. <i>Talanta</i> , <b>2013</b> , 115, 277-83	6.2	11
92	Towards the standardization of stem cell therapy studies for ischemic heart diseases: Bridging the gap between animal models and the clinical setting. <i>International Journal of Cardiology</i> , <b>2017</b> , 228, 465-480	4.3	11
91	Molecular Plasticity under Ocean Warming: Proteomics and Fitness Data Provides Clues for a Better Understanding of the Thermal Tolerance in Fish. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 825	4.6	11
90	Challenging the limits of detection of sialylated Thomsen-Friedenreich antigens by in-gel deglycosylation and nano-LC-MALDI-TOF-MS. <i>Electrophoresis</i> , <b>2013</b> , 34, 2337-41	3.6	11
89	Analysis of low abundance membrane-associated proteins from rat pancreatic zymogen granules. <i>Journal of Proteome Research</i> , <b>2010</b> , 9, 4927-39	5.6	11
88	On-plate digestion using a commercial microfraction collector for nano-HPLC matrix-assisted laser desorption/ionization tandem time-of-flight protein analysis. <i>Analytical Biochemistry</i> , <b>2008</b> , 380, 128-30	3.1	11



87	Anti-tumoral activity of human salivary peptides. <i>Peptides</i> , <b>2015</b> , 71, 170-8	3.8	10
86	Proteome signatures--how are they obtained and what do they teach us?. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 7417-31	5.7	10
85	Reviewing Mechanistic Peptidomics in Body Fluids Focusing on Proteases. <i>Proteomics</i> , <b>2018</b> , 18, e18001878	4.78	10
84	Signaling pathways underlying skeletal muscle wasting in experimental pulmonary arterial hypertension. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2015</b> , 1852, 2722-31	6.9	9
83	endoProteoFASP: a novel FASP approach to profile salivary peptidome and disclose salivary proteases. <i>Talanta</i> , <b>2015</b> , 132, 486-93	6.2	9
82	Comparative proteomic and transcriptomic profile of Staphylococcus epidermidis biofilms grown in glucose-enriched medium. <i>Talanta</i> , <b>2015</b> , 132, 705-12	6.2	9
81	Exercise training protects against cancer-induced cardiac remodeling in an animal model of urothelial carcinoma. <i>Archives of Biochemistry and Biophysics</i> , <b>2018</b> , 645, 12-18	4.1	9
80	Can exercise training counteract doxorubicin-induced oxidative damage of testis proteome?. <i>Toxicology Letters</i> , <b>2017</b> , 280, 57-69	4.4	9
79	Contact dermatitis: in pursuit of sensitizer's molecular targets through proteomics. <i>Archives of Toxicology</i> , <b>2017</b> , 91, 811-825	5.8	8
78	Proteome-base biomarkers in diabetes mellitus: progress on biofluids protein profiling using mass spectrometry. <i>Proteomics - Clinical Applications</i> , <b>2012</b> , 6, 447-66	3.1	8
77	Glycoprotein enrichment method using a selective magnetic nano-probe platform (MNP) functionalized with lectins. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1243, 83-100	1.4	8
76	New insights on the mitochondrial proteome plasticity in Parkinson's disease. <i>Proteomics - Clinical Applications</i> , <b>2016</b> , 10, 416-29	3.1	8
75	Human cells adapt to translational errors by modulating protein synthesis rate and protein turnover. <i>RNA Biology</i> , <b>2020</b> , 17, 135-149	4.8	8
74	What can urinary exosomes tell us?. <i>Cellular and Molecular Life Sciences</i> , <b>2021</b> , 78, 3265-3283	10.3	8
73	The role of micropeptides in biology. <i>Cellular and Molecular Life Sciences</i> , <b>2021</b> , 78, 3285-3298	10.3	8
72	How low can you go? A current perspective on low-abundance proteomics. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2017</b> , 93, 171-182	14.6	7
71	Proteomic profile of susceptible and multidrug-resistant clinical isolates of Escherichia coli and Klebsiella pneumoniae using label-free and immunoproteomic strategies. <i>Research in Microbiology</i> , <b>2017</b> , 168, 222-233	4	7
70	Comparative proteomic analyses of urine from rat urothelial carcinoma chemically induced by exposure to N-butyl-N-(4-hydroxybutyl)-nitrosamine. <i>Molecular BioSystems</i> , <b>2015</b> , 11, 1594-602		7

69	Proteome of the head and thorax salivary glands in the stingless bee <i>Melipona quadrifasciata anthidioides</i> . <i>Apidologie</i> , <b>2013</b> , 44, 684-698	2.3	7
68	Spatially distinct mitochondrial populations exhibit different mitofilin levels. <i>Cell Biochemistry and Function</i> , <b>2012</b> , 30, 395-9	4.2	7
67	Improving the accuracy of recombinant protein production through integration of bioinformatics, statistical and mass spectrometry methodologies. <i>FEBS Journal</i> , <b>2015</b> , 282, 769-87	5.7	6
66	How to use and integrate bioinformatics tools to compare proteomic data from distinct conditions? A tutorial using the pathological similarities between Aortic Valve Stenosis and Coronary Artery Disease as a case-study. <i>Journal of Proteomics</i> , <b>2018</b> , 171, 37-52	3.9	6
65	iTRAQ-based quantitative proteomic analysis of submandibular glands from rats with STZ-induced hyperglycemia. <i>Journal of Biochemistry</i> , <b>2013</b> , 153, 209-20	3.1	6
64	Characterization of thymosin $\beta$ in mammals saliva. <i>Peptides</i> , <b>2013</b> , 40, 1-7	3.8	6
63	sequencing of proteins by mass spectrometry. <i>Expert Review of Proteomics</i> , <b>2020</b> , 17, 595-607	4.2	6
62	Microfluidics for Peptidomics, Proteomics, and Cell Analysis. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	6
61	Exosome-Derived Mediators as Potential Biomarkers for Cardiovascular Diseases: A Network Approach. <i>Proteomes</i> , <b>2021</b> , 9,	4.6	6
60	Gold nanoparticles-based assays for biodetection in urine. <i>Talanta</i> , <b>2021</b> , 230, 122345	6.2	6
59	HMGB1 down-regulation mediates terameprocol vascular anti-proliferative effect in experimental pulmonary hypertension. <i>Journal of Cellular Physiology</i> , <b>2017</b> , 232, 3128-3138	7	5
58	Sample Treatment for Saliva Proteomics. <i>Advances in Experimental Medicine and Biology</i> , <b>2019</b> , 1073, 23-56	3.6	5
57	Biofluid proteases profiling in diabetes mellitus. <i>Advances in Clinical Chemistry</i> , <b>2015</b> , 69, 161-207	5.8	5
56	Hierarchical design of hyaluronic acid-peptide constructs for glioblastoma targeting: Combining insights from NMR and molecular dynamics simulations. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 315, 113774 <sup>6</sup>		5
55	Characterization of in vitro protein oxidation using mass spectrometry: a time course study of oxidized alpha-amylase. <i>Archives of Biochemistry and Biophysics</i> , <b>2013</b> , 530, 23-31	4.1	4
54	Protein identification using nano-HPLC-MS: ESI-MS and MALDI-MS interfaces. <i>Methods in Molecular Biology</i> , <b>2011</b> , 790, 31-46	1.4	4
53	Inability of mutant transthyretin V30M to cross the blood-eye barrier. <i>Transplantation</i> , <b>2012</b> , 94, e54-6	1.8	4
52	A meta-analysis to evaluate the cellular processes regulated by the interactome of endogenous and over-expressed estrogen receptor alpha. <i>Oncoscience</i> , <b>2015</b> , 2, 487-496	0.8	4

51	Fat Quality Matters: Distinct Proteomic Signatures Between Lean and Obese Cardiac Visceral Adipose Tissue Underlie its Differential Myocardial Impact. <i>Cellular Physiology and Biochemistry</i> , <b>2020</b> , 54, 384-400	3.9	4
50	A proteomic analysis of the interactions between poly(L-lactic acid) nanofibers and SH-SY5Y neuronal-like cells. <i>AIMS Molecular Science</i> , <b>2016</b> , 3, 661-682	0.9	4
49	Unraveling the Role of Epicardial Adipose Tissue in Coronary Artery Disease: Partners in Crime?. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	4
48	The impact of exercise training on adipose tissue remodelling in cancer cachexia. <i>Porto Biomedical Journal</i> , <b>2017</b> , 2, 333-339	1.1	3
47	Immunoreactive pattern of Staphylococcus epidermidis biofilm against human whole saliva. <i>Electrophoresis</i> , <b>2015</b> , 36, 1228-33	3.6	3
46	How are the expression patterns of gut antimicrobial peptides modulated by human gastrointestinal diseases? A bridge between infectious, inflammatory, and malignant diseases. <i>Journal of Peptide Science</i> , <b>2018</b> , 24, e3071	2.1	3
45	One year of exercise training promotes distinct adaptations in right and left ventricle of female Sprague-Dawley rats. <i>Journal of Physiology and Biochemistry</i> , <b>2019</b> , 75, 561-572	5	3
44	Unravelling the Power of Omics for the Infertile Aging Male. <i>Current Pharmaceutical Design</i> , <b>2017</b> , 23, 4451-4469	3.3	3
43	Bioinformatic analysis of the human brain extracellular matrix proteome in neurodegenerative disorders. <i>European Journal of Neuroscience</i> , <b>2021</b> , 53, 4016-4033	3.5	3
42	Exercise Training Impacts Cardiac Mitochondrial Proteome Remodeling in Murine Urothelial Carcinoma. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 20,	6.3	3
41	Chronic exercise training attenuates prostate cancer-induced molecular remodelling in the testis. <i>Cellular Oncology (Dordrecht)</i> , <b>2021</b> , 44, 311-327	7.2	3
40	Elucidating Citrullination by Mass Spectrometry and Its Role in Disease Pathogenesis. <i>Journal of Proteome Research</i> , <b>2021</b> , 20, 38-48	5.6	3
39	A fractionation approach applying chelating magnetic nanoparticles to characterize pericardial fluid's proteome. <i>Archives of Biochemistry and Biophysics</i> , <b>2017</b> , 634, 1-10	4.1	2
38	Methodological approaches and insights on protein aggregation in biological systems. <i>Expert Review of Proteomics</i> , <b>2017</b> , 14, 55-68	4.2	2
37	Salivary Peptidomics Targeting Clinical Applications. <i>Comprehensive Analytical Chemistry</i> , <b>2014</b> , 64, 223-245		2
36	Integration of Automatic Text Mining and Genomic and Proteomic Analysis to Unravel Prostate Cancer Biomarkers.. <i>Journal of Proteome Research</i> , <b>2022</b> , 21, 447-458	5.6	2
35	Protein extraction and comparison of stain protocols for analysis of two-dimensional electrophoresis gels. <i>Protein and Peptide Letters</i> , <b>2004</b> , 11, 189-94	1.9	2
34	Seasonal proteome variation in intertidal shrimps under a natural setting: Connecting molecular networks with environmental fluctuations. <i>Science of the Total Environment</i> , <b>2020</b> , 703, 134957	10.2	2

33	Automatic text-mining as an unbiased approach to uncover molecular associations between periodontitis and coronary artery disease. <i>Biomarkers</i> , <b>2021</b> , 26, 385-394	2.6	2
32	The potential impact of salivary peptides in periodontitis. <i>Critical Reviews in Clinical Laboratory Sciences</i> , <b>2021</b> , 58, 479-492	9.4	2
31	Proteomic studies with a novel nano-magnetic chelating system to capture metalloproteins and its application in the preliminary study of monocyte and macrophage sub-secretome. <i>Talanta</i> , <b>2016</b> , 158, 110-117	6.2	2
30	Peptidomics and proteogenomics: background, challenges and future needs. <i>Expert Review of Proteomics</i> , <b>2021</b> , 18, 643-659	4.2	2
29	Salivary clinical data and dental caries susceptibility: is there a relationship?. <i>Bulletin Du Groupement International Pour La Recherche Scientifique En Stomatologie &amp; Odontologie</i> , <b>2006</b> , 47, 27-33		2
28	Proteome Profiling of Sertoli Cells Using a GeLC-MS/MS Strategy. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1748, 173-190	1.4	1
27	The efficiency of trypsin digestion for mass-spectrometry-based identification and quantification of oxidized proteins: evaluation of the digestion of oxidized bovine serum albumin. <i>European Journal of Mass Spectrometry</i> , <b>2014</b> , 20, 271-8	1.1	1
26	Deciphering the disease-related molecular networks using urine proteomics. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2017</b> , 94, 200-209	14.6	1
25	Proteomic study in an Escherichia coli strain from seagulls of the Berlengas Natural Reserve of Portugal. <i>Journal of Integrated OMICS</i> , <b>2011</b> , 1,	0.5	1
24	Cranial acetabular osteophytes limits the maximal amplitude of hip abduction. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , <b>2007</b> , 17, 61-65	2.2	1
23	Effect of High Pressure Treatments on protease and Galactosidase Activities of Table Olives. <i>High Pressure Research</i> , <b>2002</b> , 22, 669-672	1.6	1
22	Intense Pulsed Light: Friend or Foe? Molecular Evidence to Clarify Doubts. <i>Anticancer Research</i> , <b>2018</b> , 38, 779-786	2.3	1
21	The Role of Urinary Proteases in Bladder Cancer <b>2017</b> , 89-118		1
20	Preoperative myocardial expression of E3 ubiquitin ligases in aortic stenosis patients undergoing valve replacement and their association to postoperative hypertrophy. <i>PLoS ONE</i> , <b>2020</b> , 15, e0237000	3.7	1
19	Nanotechnological approaches in cancer: the role of celecoxib and disulfiram <b>2020</b> , 353-393		1
18	Mining the Biomarker Potential of the Urine Peptidome: From Amino Acids Properties to Proteases. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
17	How can artificial intelligence be used for peptidomics?. <i>Expert Review of Proteomics</i> , <b>2021</b> , 18, 527-556	4.2	1
16	Blot-MS of Carbonylated Proteins: A Tool to Identify Oxidized Proteins. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1449, 349-67	1.4	1

15	Bioinformatic analysis of dysregulated proteins in prostate cancer patients reveals putative urinary biomarkers and key biological pathways. <i>Medical Oncology</i> , <b>2021</b> , 38, 9	3.7	1
14	Ghrelin and adipokines: An overview of their physiological role, antimicrobial activity and impact on cardiovascular conditions. <i>Vitamins and Hormones</i> , <b>2021</b> , 115, 477-509	2.5	1
13	Deciphering specific miRNAs in brain tumors: a 5-miRNA signature in glioblastoma.. <i>Molecular Genetics and Genomics</i> , <b>2022</b> , 297, 507	3.1	1
12	EDTA-functionalized magnetic nanoparticles: A suitable platform for the analysis of low abundance urinary proteins. <i>Talanta</i> , <b>2017</b> , 170, 81-88	6.2	0
11	EndoProteoFASP as a Tool to Unveil the Peptidome-Protease Profile: Application to Salivary Diagnostics. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1719, 293-310	1.4	0
10	Influence of EPICardial adipose tissue in HEART diseases (EPICHEART) study: Protocol for a translational study in coronary atherosclerosis. <i>Revista Portuguesa De Cardiologia</i> , <b>2020</b> , 39, 625-633	1	0
9	Expediting Disulfiram Assays through a Systematic Analytical Quality by Design Approach. <i>Chemosensors</i> , <b>2021</b> , 9, 172	4	0
8	A role for prolyl isomerase PIN1 in the phosphorylation-dependent modulation of PRRXL1 function. <i>Biochemical Journal</i> , <b>2017</b> , 474, 683-697	3.8	
7	Bioinformatics to Tackle the Biological Meaning of Human Cerebrospinal Fluid Proteome. <i>Methods in Molecular Biology</i> , <b>2019</b> , 2044, 393-553	1.4	
6	Use of MALDI-TOF Mass Spectrometry to Assay the Transthyretin V30M Mutation in Serum From a Liver Transplant Donor: A Case Report. <i>Transplantation</i> , <b>2015</b> , 99, e33-4	1.8	
5	Characteristics of the gluteus medius muscle in an asymptomatic patient with radiographic signs of coxarthrosis. <i>Orthopedie Traumatologie</i> , <b>2004</b> , 14, 182-5		
4	Preoperative myocardial expression of E3 ubiquitin ligases in aortic stenosis patients undergoing valve replacement and their association to postoperative hypertrophy <b>2020</b> , 15, e0237000		
3	Preoperative myocardial expression of E3 ubiquitin ligases in aortic stenosis patients undergoing valve replacement and their association to postoperative hypertrophy <b>2020</b> , 15, e0237000		
2	Preoperative myocardial expression of E3 ubiquitin ligases in aortic stenosis patients undergoing valve replacement and their association to postoperative hypertrophy <b>2020</b> , 15, e0237000		
1	Preoperative myocardial expression of E3 ubiquitin ligases in aortic stenosis patients undergoing valve replacement and their association to postoperative hypertrophy <b>2020</b> , 15, e0237000		