

# Bruno Manadas

## List of Publications by Year in descending order

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Version: 2024-02-01

106  
papers

3,650  
citations

172457

29  
h-index

149698

56  
g-index

115  
all docs

115  
docs citations

115  
times ranked

6355  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuroprotection by BDNF against glutamate-induced apoptotic cell death is mediated by ERK and PI3-kinase pathways. <i>Cell Death and Differentiation</i> , 2005, 12, 1329-1343.	11.2	501
2	Intracellular signaling mechanisms in photodynamic therapy. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2004, 1704, 59-86.	7.4	184
3	Meningeal T cell-derived IL-17 controls synaptic plasticity and short-term memory. <i>Science Immunology</i> , 2019, 4, .	11.9	184
4	Unveiling the Differences of Secretome of Human Bone Marrow Mesenchymal Stem Cells, Adipose Tissue-Derived Stem Cells, and Human Umbilical Cord Perivascular Cells: A Proteomic Analysis. <i>Stem Cells and Development</i> , 2016, 25, 1073-1083.	2.1	175
5	Impact of the Secretome of Human Mesenchymal Stem Cells on Brain Structure and Animal Behavior in a Rat Model of Parkinson's Disease. <i>Stem Cells Translational Medicine</i> , 2017, 6, 634-646.	3.3	152
6	SWATH-MS as a tool for biomarker discovery: From basic research to clinical applications. <i>Proteomics</i> , 2017, 17, 1600278.	2.2	139
7	Gap junctional protein Cx43 is involved in the communication between extracellular vesicles and mammalian cells. <i>Scientific Reports</i> , 2015, 5, 13243.	3.3	135
8	Pollen proteases compromise the airway epithelial barrier through degradation of transmembrane adhesion proteins and lung bioactive peptides. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2011, 66, 1088-1098.	5.7	115
9	Modulation of the Mesenchymal Stem Cell Secretome Using Computer-Controlled Bioreactors: Impact on Neuronal Cell Proliferation, Survival and Differentiation. <i>Scientific Reports</i> , 2016, 6, 27791.	3.3	98
10	Short GeLC-SWATH: A fast and reliable quantitative approach for proteomic screenings. <i>Proteomics</i> , 2015, 15, 757-762.	2.2	79
11	Comparative Proteomic Analysis of Auxin-Induced Embryogenic and Nonembryogenic Tissues of the Solanaceous Tree <i>Cyphomandra betacea</i> (Tamarillo). <i>Journal of Proteome Research</i> , 2012, 11, 1666-1675.	3.7	72
12	Bone Marrow Mesenchymal Stem Cells' Secretome Exerts Neuroprotective Effects in a Parkinson's Disease Rat Model. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 294.	4.1	70
13	Do hypoxia/normoxia culturing conditions change the neuroregulatory profile of Wharton Jelly mesenchymal stem cell secretome?. <i>Stem Cell Research and Therapy</i> , 2015, 6, 133.	5.5	67
14	Comparative analysis of OFFGel, strong cation exchange with pH gradient, and RP at high pH for first-dimensional separation of peptides from a membrane-enriched protein fraction. <i>Proteomics</i> , 2009, 9, 5194-5198.	2.2	63
15	Mesenchymal Stem Cell Secretome: A Potential Tool for the Prevention of Muscle Degenerative Changes Associated With Chronic Rotator Cuff Tears. <i>American Journal of Sports Medicine</i> , 2017, 45, 179-188.	4.2	63
16	Secretome of Undifferentiated Neural Progenitor Cells Induces Histological and Motor Improvements in a Rat Model of Parkinson's Disease. <i>Stem Cells Translational Medicine</i> , 2018, 7, 829-838.	3.3	56
17	Peptide fractionation in proteomics approaches. <i>Expert Review of Proteomics</i> , 2010, 7, 655-663.	3.0	55
18	Interacting Network of the Gap Junction (G) Protein Connexin43 (Cx43) is Modulated by Ischemia and Reperfusion in the Heart*. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 3040-3055.	3.8	55

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19	BDNF-Induced Changes in the Expression of the Translation Machinery in Hippocampal Neurons: Protein Levels and Dendritic mRNA. <i>Journal of Proteome Research</i> , 2009, 8, 4536-4552.	3.7	54
20	Co-Transplantation of Adipose Tissue-Derived Stromal Cells and Olfactory Ensheathing Cells for Spinal Cord Injury Repair. <i>Stem Cells</i> , 2018, 36, 696-708.	3.2	48
21	Critical roles for a genetic code alteration in the evolution of the genus <i>Candida</i> . <i>EMBO Journal</i> , 2007, 26, 4555-4565.	7.8	43
22	Protein precipitation of diluted samples in SDS-containing buffer with acetone leads to higher protein recovery and reproducibility in comparison with TCA/acetone approach. <i>Proteomics</i> , 2016, 16, 1847-1851.	2.2	42
23	Unveiling the effects of the secretome of mesenchymal progenitors from the umbilical cord in different neuronal cell populations. <i>Biochimie</i> , 2013, 95, 2297-2303.	2.6	40
24	Toward a standardized saliva proteome analysis methodology. <i>Journal of Proteomics</i> , 2012, 75, 5140-5165.	2.4	39
25	High pressure processing of European sea bass ( <i>Dicentrarchus labrax</i> ) fillets and tools for flesh quality and shelf life monitoring. <i>Journal of Food Engineering</i> , 2019, 262, 83-91.	5.2	39
26	Sample sonication after trichloroacetic acid precipitation increases protein recovery from cultured hippocampal neurons, and improves resolution and reproducibility in two-dimensional gel electrophoresis. <i>Electrophoresis</i> , 2006, 27, 1825-1831.	2.4	35
27	Matrisome Profiling During Intervertebral Disc Development And Ageing. <i>Scientific Reports</i> , 2017, 7, 11629.	3.3	35
28	Crosstalk between glial and glioblastoma cells triggers the "ego-or-grow" phenotype of tumor cells. <i>Cell Communication and Signaling</i> , 2017, 15, 37.	6.5	35
29	Reduced $\beta$ -MSH Underlies Hypothalamic ER-Stress-Induced Hepatic Gluconeogenesis. <i>Cell Reports</i> , 2015, 12, 361-370.	6.4	33
30	Impact of mesenchymal stem cells' secretome on glioblastoma pathophysiology. <i>Journal of Translational Medicine</i> , 2017, 15, 200.	4.4	33
31	Stem Cell Therapy for Neonatal Hypoxic-Ischemic Encephalopathy: A Systematic Review of Preclinical Studies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3142.	4.1	32
32	Analysis of glucose metabolism in farmed European sea bass ( <i>Dicentrarchus labrax</i> L.) using deuterated water. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2011, 160, 341-347.	1.8	30
33	Insights into the human brain proteome: Disclosing the biological meaning of protein networks in cerebrospinal fluid. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2017, 54, 185-204.	6.1	29
34	Proteomics and antioxidant enzymes reveal different mechanisms of toxicity induced by ionic and nanoparticulate silver in bacteria. <i>Environmental Science: Nano</i> , 2019, 6, 1207-1218.	4.3	29
35	Does Caffeine Consumption Modify Cerebrospinal Fluid Amyloid- $\beta$ Levels in Patients with Alzheimer's Disease?. <i>Journal of Alzheimer's Disease</i> , 2015, 47, 1069-1078.	2.6	28
36	Modulation of signaling pathways by DJ-1: An updated overview. <i>Redox Biology</i> , 2022, 51, 102283.	9.0	26

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37	Bursaphelenchus xylophilus and B. mucronatus secretomes: a comparative proteomic analysis. <i>Scientific Reports</i> , 2016, 6, 39007.	3.3	25
38	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> , 2020, 292, 75-83.	0.8	25
39	An atypical aspartic protease modulates lateral root development in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2019, 70, 2157-2171.	4.8	24
40	Mitochondrial and Redox Modifications in Huntington Disease Induced Pluripotent Stem Cells Rescued by CRISPR/Cas9 CAGs Targeting. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 576592.	3.7	24
41	A Pathogen and a Non-pathogen Spotted Fever Group Rickettsia Trigger Differential Proteome Signatures in Macrophages. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 43.	3.9	23
42	Comparative Analysis of the Exoproteomes of <i>Listeria monocytogenes</i> Strains Grown at Low Temperatures. <i>Foodborne Pathogens and Disease</i> , 2013, 10, 428-434.	1.8	22
43	The Potential of Metabolomics in the Diagnosis of Thyroid Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5272.	4.1	21
44	Proteomic Analysis of an Interactome for Long-Form AMPA Receptor Subunits. <i>Journal of Proteome Research</i> , 2010, 9, 1670-1682.	3.7	20
45	Protein Quality Assessment on Saliva Samples for Biobanking Purposes. <i>Biopreservation and Biobanking</i> , 2016, 14, 289-297.	1.0	20
46	Influence of passage number on the impact of the secretome of adipose tissue stem cells on neural survival, neurodifferentiation and axonal growth. <i>Biochimie</i> , 2018, 155, 119-128.	2.6	20
47	Hypoxia and Hypoxia-Inducible Factor-1 $\alpha$ Regulate Endoplasmic Reticulum Stress in Nucleus Pulposus Cells. <i>American Journal of Pathology</i> , 2021, 191, 487-502.	3.8	20
48	Advances in biomarker detection: Alternative approaches for blood-based biomarker detection. <i>Advances in Clinical Chemistry</i> , 2019, 92, 141-199.	3.7	19
49	Unraveling Mesenchymal Stem Cells' Dynamic Secretome Through Nontargeted Proteomics Profiling. <i>Methods in Molecular Biology</i> , 2016, 1416, 521-549.	0.9	18
50	Use of recombinant proteins as a simple and robust normalization method for untargeted proteomics screening: exhaustive performance assessment. <i>Talanta</i> , 2019, 205, 120163.	5.5	17
51	Specific Nutritional Biomarker Profiles in Mild Cognitive Impairment and Subjective Cognitive Decline Are Associated With Clinical Progression: The NUDAD Project. <i>Journal of the American Medical Directors Association</i> , 2020, 21, 1513.e1-1513.e17.	2.5	17
52	Chemoprevention and therapeutic role of essential oils and phenolic compounds: Modeling tumor microenvironment in glioblastoma. <i>Pharmacological Research</i> , 2021, 169, 105638.	7.1	16
53	Bioaccessibility and changes on cylindrospermopsin concentration in edible mussels with storage and processing time. <i>Food Control</i> , 2016, 59, 567-574.	5.5	15
54	Functional and structural characterization of synthetic cardosin B-derived rennet. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 6951-6968.	3.6	15

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55	Validation of an LC-MS/MS Method for the Quantification of Caffeine and Theobromine Using Non-Matched Matrix Calibration Curve. <i>Molecules</i> , 2019, 24, 2863.	3.8	15
56	oxSWATH: An integrative method for a comprehensive redox-centered analysis combined with a generic differential proteomics screening. <i>Redox Biology</i> , 2019, 22, 101130.	9.0	15
57	Analytical methods to monitor dopamine metabolism in plasma: Moving forward with improved diagnosis and treatment of neurological disorders. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 187, 113323.	2.8	15
58	GMP-grade nanoparticle targeted to nucleolin downregulates tumor molecular signature, blocking growth and invasion, at low systemic exposure. <i>Nano Today</i> , 2021, 37, 101095.	11.9	15
59	Proteome-Wide Analysis of Heat-Stress in <i>Pinus radiata</i> Somatic Embryos Reveals a Combined Response of Sugar Metabolism and Translational Regulation Mechanisms. <i>Frontiers in Plant Science</i> , 2021, 12, 631239.	3.6	15
60	Comparative proteomic analysis of saliva from dogs with and without obesity-related metabolic dysfunction. <i>Journal of Proteomics</i> , 2019, 201, 65-72.	2.4	14
61	A translational view of cells' secretome analysis - from untargeted proteomics to potential circulating biomarkers. <i>Biochimie</i> , 2018, 155, 37-49.	2.6	13
62	Comparative Proteomic Analysis of Nodulated and Non-Nodulated <i>Casuarina glauca</i> Sieb. ex Spreng. Grown under Salinity Conditions Using Sequential Window Acquisition of All Theoretical Mass Spectra (SWATH-MS). <i>International Journal of Molecular Sciences</i> , 2020, 21, 78.	4.1	13
63	A reference library of peripheral blood mononuclear cells for SWATH-MS analysis. <i>Proteomics - Clinical Applications</i> , 2016, 10, 760-764.	1.6	11
64	Specific Antiproliferative Properties of Proteinaceous Toxin Secretions from the Marine Annelid <i>Eulalia</i> sp. onto Ovarian Cancer Cells. <i>Marine Drugs</i> , 2021, 19, 31.	4.6	11
65	Partitioning the Proteome: Phase Separation for Targeted Analysis of Membrane Proteins in Human Post-Mortem Brain. <i>PLoS ONE</i> , 2012, 7, e39509.	2.5	10
66	A proteomic and ultrastructural characterization of <i>Aspergillus fumigatus</i> ' conidia adaptation at different culture ages. <i>Journal of Proteomics</i> , 2017, 161, 47-56.	2.4	10
67	FA-SAT ncRNA interacts with PKM2 protein: depletion of this complex induces a switch from cell proliferation to apoptosis. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 1371-1386.	5.4	10
68	Proteomic Analyses Reveal New Insights on the Antimicrobial Mechanisms of Chitosan Biopolymers and Their Nanosized Particles against <i>Escherichia coli</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 225.	4.1	10
69	Proteomics-based Predictive Model for the Early Detection of Metastasis and Recurrence in Head and Neck Cancer. <i>Cancer Genomics and Proteomics</i> , 2020, 17, 259-269.	2.0	10
70	Systematic Review and Meta-Analysis of Mass Spectrometry Proteomics Applied to Human Peripheral Fluids to Assess Potential Biomarkers of Schizophrenia. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4917.	4.1	10
71	Pre-analytical stability of novel cerebrospinal fluid biomarkers. <i>Clinica Chimica Acta</i> , 2019, 497, 204-211.	1.1	9
72	Disclosing proteins in the leaves of cork oak plants associated with the immune response to <i>Phytophthora cinnamomi</i> inoculation in the roots: A long-term proteomics approach. <i>PLoS ONE</i> , 2021, 16, e0245148.	2.5	9

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73	Systematic Review and Meta-Analysis on MS-Based Proteomics Applied to Human Peripheral Fluids to Assess Potential Biomarkers of Bipolar Disorder. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5460.	4.1	9
74	Cofilin-1 Is a Mechanosensitive Regulator of Transcription. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 678.	3.7	8
75	Comparative Analysis of <i>Bursaphelenchus xylophilus</i> Secretome Under <i>Pinus pinaster</i> and <i>P. pinea</i> Stimuli. <i>Frontiers in Plant Science</i> , 2021, 12, 668064.	3.6	8
76	Ser119 phosphorylation modulates the activity and conformation of PRRXL1, a homeodomain transcription factor. <i>Biochemical Journal</i> , 2014, 459, 441-453.	3.7	7
77	Effect of Global ATGL Knockout on Murine Fasting Glucose Kinetics. <i>Journal of Diabetes Research</i> , 2015, 2015, 1-8.	2.3	7
78	Neuroproteomics Using Short GeLC-SWATH: From the Evaluation of Proteome Changes to the Clarification of Protein Function. <i>Neuromethods</i> , 2017, , 107-138.	0.3	7
79	Experimental data from flesh quality assessment and shelf life monitoring of high pressure processed European sea bass ( <i>Dicentrarchus labrax</i> ) fillets. <i>Data in Brief</i> , 2019, 26, 104451.	1.0	7
80	The Enhanced Efficacy of Intracellular Delivery of Doxorubicin/C6-Ceramide Combination Mediated by the F3 Peptide/Nucleolin System Is Supported by the Downregulation of the PI3K/Akt Pathway. <i>Cancers</i> , 2021, 13, 3052.	3.7	7
81	Virulence Biomarkers of <i>Bursaphelenchus xylophilus</i> : A Proteomic Approach. <i>Frontiers in Plant Science</i> , 2021, 12, 822289.	3.6	7
82	Enzymatic properties, evidence for in vivo expression, and intracellular localization of shewasin D, the pepsin homolog from <i>Shewanella denitrificans</i> . <i>Scientific Reports</i> , 2016, 6, 23869.	3.3	6
83	EDTA-functionalized magnetic nanoparticles: A suitable platform for the analysis of low abundance urinary proteins. <i>Talanta</i> , 2017, 170, 81-88.	5.5	5
84	Thermoprimer-associated proteome and sugar content responses in <i>Pinus radiata</i> embryogenic tissue. <i>Plant Science</i> , 2022, 321, 111327.	3.6	5
85	Effects of microplastics alone and with adsorbed benzo(a)pyrene on the gills proteome of <i>Scrobicularia plana</i> . <i>Science of the Total Environment</i> , 2022, 842, 156895.	8.0	5
86	Neuroproteomics – LC-MS Quantitative Approaches. , 0, , .		4
87	A different vision of translational research in biomarker discovery: a pilot study on circulatory mitochondrial proteins as Parkinson's disease potential biomarkers. <i>Translational Neurodegeneration</i> , 2020, 9, 11.	8.0	4
88	Chronic pain susceptibility is associated with anhedonic behavior and alterations in the accumbal ubiquitin-proteasome system. <i>Pain</i> , 2021, 162, 1722-1731.	4.2	4
89	Posttranslational modifications of proteins are key features in the identification of CSF biomarkers of multiple sclerosis. <i>Journal of Neuroinflammation</i> , 2022, 19, 44.	7.2	4
90	Endogenous Fluorescent Proteins in the Mucus of an Intertidal Polychaeta: Clues for Biotechnology. <i>Marine Drugs</i> , 2022, 20, 224.	4.6	4

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91	Spotted Fever Group <i>Rickettsia</i> Trigger Species-Specific Alterations in Macrophage Proteome Signatures with Different Impacts in Host Innate Inflammatory Responses. <i>Microbiology Spectrum</i> , 2021, 9, e0081421.	3.0	4
92	Decoding the radiomic and proteomic phenotype of epicardial adipose tissue associated with adverse left atrial remodelling and post-operative atrial fibrillation in aortic stenosis. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 1248-1259.	1.2	4
93	Direct analysis of [6,6-2H <sub>2</sub> ]glucose and [U-13C <sub>6</sub> ]glucose dry blood spot enrichments by LC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1022, 242-248.	2.3	3
94	A fractionation approach applying chelating magnetic nanoparticles to characterize pericardial fluid's proteome. <i>Archives of Biochemistry and Biophysics</i> , 2017, 634, 1-10.	3.0	3
95	Circulating biomarkers in schizophrenia: a proteomics perspective. <i>International Journal of Clinical Neurosciences and Mental Health</i> , 2017, , S05.	0.7	3
96	Metabolic parameters as possible diagnostic predictors in first-episode psychosis: An exploratory retrospective cohort study. <i>Microbial Biotechnology</i> , 2022, 16, 1171-1174.	1.7	3
97	Influence of Epicardial adipose tissue in HEART diseases (EPICHEART) study: Protocol for a translational study in coronary atherosclerosis. <i>Revista Portuguesa De Cardiologia</i> , 2020, 39, 625-633.	0.5	2
98	Changes in the salivary proteome of beagle dogs after weight loss. <i>Domestic Animal Endocrinology</i> , 2020, 72, 106474.	1.6	2
99	Untargeted Metabolomics Relative Quantification by SWATH Mass Spectrometry Applied to Cerebrospinal Fluid. <i>Methods in Molecular Biology</i> , 2019, 2044, 321-336.	0.9	2
100	Targeted Approach for Proteomic Analysis of a Hidden Membrane Protein. <i>Methods in Molecular Biology</i> , 2017, 1619, 151-172.	0.9	1
101	Elucidation of the dynamic nature of interactome networks: A practical tutorial. <i>Journal of Proteomics</i> , 2018, 171, 116-126.	2.4	1
102	SWATH Mass Spectrometry Applied to Cerebrospinal Fluid Differential Proteomics: Establishment of a Sample-Specific Method. <i>Methods in Molecular Biology</i> , 2019, 2044, 169-189.	0.9	1
103	Changes in the intestinal mucosal proteome of turkeys ( <i>Meleagris gallopavo</i> ) infected with haemorrhagic enteritis virus. <i>Veterinary Immunology and Immunopathology</i> , 2019, 213, 109880.	1.2	0
104	Bone Marrow Mesenchymal Stem Cells' Secretome Exerts Neuroprotective Effects in a Parkinson's Disease Rat Model. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
105	Influence of Epicardial adipose tissue in HEART diseases (EPICHEART) study: Protocol for a translational study in coronary atherosclerosis. <i>Revista Portuguesa De Cardiologia (English Edition)</i> , 2020, 39, 625-633.	0.2	0
106	Proteome dataset of sea bass ( <i>Dicentrarchus labrax</i> ) skin-scales exposed to fluoxetine and estradiol. <i>Data in Brief</i> , 2022, 41, 107971.	1.0	0