# Daniel Martins-de-Souza

## List of Publications by Citations



| | | | |
|---|---|---|---|
| 191 papers | 4,563 citations | 35 h-index | 58 g-index |
| 231 ext. papers | 5,548 ext. citations | 4.1 avg, IF | 5.9 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 191 | Elevated Glucose Levels Favor SARS-CoV-2 Infection and Monocyte Response through a HIF-1/Glycolysis-Dependent Axis. *Cell Metabolism*, **2020**, 32, 437-446.e5 | 24.6 | 268 |
| 190 | Prefrontal cortex shotgun proteome analysis reveals altered calcium homeostasis and immune system imbalance in schizophrenia. *European Archives of Psychiatry and Clinical Neuroscience*, **2009**, 259, 151-63 | 5.1 | 154 |
| 189 | Proteomic analysis of dorsolateral prefrontal cortex indicates the involvement of cytoskeleton, oligodendrocyte, energy metabolism and new potential markers in schizophrenia. *Journal of Psychiatric Research*, **2009**, 43, 978-86 | 5.2 | 140 |
| 188 | Proteome analysis of the thalamus and cerebrospinal fluid reveals glycolysis dysfunction and potential biomarkers candidates for schizophrenia. *Journal of Psychiatric Research*, **2010**, 44, 1176-89 | 5.2 | 134 |
| 187 | Identification of proteomic signatures associated with depression and psychotic depression in post-mortem brains from major depression patients. *Translational Psychiatry*, **2012**, 2, e87 | 8.6 | 132 |
| 186 | Alterations in oligodendrocyte proteins, calcium homeostasis and new potential markers in schizophrenia anterior temporal lobe are revealed by shotgun proteome analysis. *Journal of Neural Transmission*, **2009**, 116, 275-89 | 4.3 | 125 |
| 185 | Proteome analysis of schizophrenia patients Wernicke's area reveals an energy metabolism dysregulation. *BMC Psychiatry*, **2009**, 9, 17 | 4.2 | 113 |
| 184 | 2DE: the phoenix of proteomics. *Journal of Proteomics*, **2014**, 104, 140-50 | 3.9 | 103 |
| 183 | The role of energy metabolism dysfunction and oxidative stress in schizophrenia revealed by proteomics. *Antioxidants and Redox Signaling*, **2011**, 15, 2067-79 | 8.4 | 89 |
| 182 | Zika virus disrupts molecular fingerprinting of human neurospheres. *Scientific Reports*, **2017**, 7, 40780 | 4.9 | 82 |
| 181 | Addendum: Cruz, B., et al. Leucine-Rich Diet Modulates the Metabolomic and Proteomic Profile of Skeletal Muscle during Cancer Cachexia. Cancers 2020, 12, 1880. *Cancers*, **2021**, 13, 880 | 6.6 | 78 |
| 180 | 13.3 EFFECTS OF CANNABINOIDS ON A HUMAN OLIGODENDROCYTE CULTURE: IMPLICATIONS FOR SCHIZOPHRENIA. *Schizophrenia Bulletin*, **2018**, 44, S22-S22 | 1.3 | 78 |
| 179 | Proteome analysis of schizophrenia brain tissue. *World Journal of Biological Psychiatry*, **2010**, 11, 110-20 | 3.8 | 76 |
| 178 | Proteomic changes in serum of first onset, antidepressant drug-naïve major depression patients. *International Journal of Neuropsychopharmacology*, **2014**, 17, 1599-608 | 5.8 | 75 |
| 177 | The proteome of schizophrenia. *NPJ Schizophrenia*, **2015**, 1, 14003 | 5.5 | 73 |
| 176 | Proteome analysis of the plant pathogen Xylella fastidiosa reveals major cellular and extracellular proteins and a peculiar codon bias distribution. *Proteomics*, **2003**, 3, 224-37 | 4.8 | 72 |
| 175 | The Energy Metabolism Dysfunction in Psychiatric Disorders Postmortem Brains: Focus on Proteomic Evidence. *Frontiers in Neuroscience*, **2017**, 11, 493 | 5.1 | 70 |

| | | | |
|---|---|---|---|
| 174 | Dysregulated expression of neuregulin-1 by cortical pyramidal neurons disrupts synaptic plasticity. *Cell Reports*, **2014**, 8, 1130-45 | 10.6 | 66 |
| 173 | Proteome and transcriptome analysis suggests oligodendrocyte dysfunction in schizophrenia. *Journal of Psychiatric Research*, **2010**, 44, 149-56 | 5.2 | 66 |
| 172 | Protein phosphorylation patterns in serum from schizophrenia patients and healthy controls. *Journal of Proteomics*, **2012**, 76 Spec No., 43-55 | 3.9 | 65 |
| 171 | Sex-specific proteome differences in the anterior cingulate cortex of schizophrenia. *Journal of Psychiatric Research*, **2010**, 44, 989-91 | 5.2 | 64 |
| 170 | To label or not to label: applications of quantitative proteomics in neuroscience research. *Proteomics*, **2012**, 12, 736-47 | 4.8 | 52 |
| 169 | Proteomics, metabolomics, and protein interactomics in the characterization of the molecular features of major depressive disorder. *Dialogues in Clinical Neuroscience*, **2014**, 16, 63-73 | 5.7 | 52 |
| 168 | Disturbed macro-connectivity in schizophrenia linked to oligodendrocyte dysfunction: from structural findings to molecules. *NPJ Schizophrenia*, **2015**, 1, 15034 | 5.5 | 50 |
| 167 | Derivation of Functional Human Astrocytes from Cerebral Organoids. *Scientific Reports*, **2017**, 7, 45091 | 4.9 | 49 |
| 166 | The role of proteomics in depression research. *European Archives of Psychiatry and Clinical Neuroscience*, **2010**, 260, 499-506 | 5.1 | 49 |
| 165 | Proteomics of the corpus callosum unravel pivotal players in the dysfunction of cell signaling, structure, and myelination in schizophrenia brains. *European Archives of Psychiatry and Clinical Neuroscience*, **2015**, 265, 601-12 | 5.1 | 48 |
| 164 | Quantitative proteomics for investigating psychiatric disorders. *Proteomics - Clinical Applications*, **2011**, 5, 38-49 | 3.1 | 48 |
| 163 | Short term changes in the proteome of human cerebral organoids induced by 5-MeO-DMT. *Scientific Reports*, **2017**, 7, 12863 | 4.9 | 47 |
| 162 | Phosphoproteomic differences in major depressive disorder postmortem brains indicate effects on synaptic function. *European Archives of Psychiatry and Clinical Neuroscience*, **2012**, 262, 657-66 | 5.1 | 46 |
| 161 | The use of ASB-14 in combination with CHAPS is the best for solubilization of human brain proteins for two-dimensional gel electrophoresis. *Briefings in Functional Genomics & Proteomics*, **2007**, 6, 70-5 | | 44 |
| 160 | Identification of a blood-based biological signature in subjects with psychiatric disorders prior to clinical manifestation. *World Journal of Biological Psychiatry*, **2012**, 13, 627-32 | 3.8 | 43 |
| 159 | Different apolipoprotein E, apolipoprotein A1 and prostaglandin-H2 D-isomerase levels in cerebrospinal fluid of schizophrenia patients and healthy controls. *World Journal of Biological Psychiatry*, **2010**, 11, 719-28 | 3.8 | 41 |
| 158 | The overexpression of a single oncogene (ERBB2/HER2) alters the proteomic landscape of extracellular vesicles. *Proteomics*, **2014**, 14, 1472-9 | 4.8 | 38 |
| 157 | Proteomic analysis identifies dysfunction in cellular transport, energy, and protein metabolism in different brain regions of atypical frontotemporal lobar degeneration. *Journal of Proteome Research*, **2012**, 11, 2533-43 | 5.6 | 38 |

| | | | |
|---|---|---|---|
| 156 | Toluene gas phase biofiltration by Paecilomyces lilacinus and isolation and identification of a hydrophobin protein produced thereof. *Applied Microbiology and Biotechnology*, **2008**, 80, 147-54 | 5.7 | 34 |
| 155 | Increased stress reactivity is associated with reduced hippocampal activity and neuronal integrity along with changes in energy metabolism. *European Journal of Neuroscience*, **2012**, 35, 412-22 | 3.5 | 33 |
| 154 | Isolation and functional characterization of a new acidic PLA(2) Ba SpII RP4 of the Bothrops alternatus snake venom from Argentina. *Toxicon*, **2010**, 56, 64-74 | 2.8 | 33 |
| 153 | Clozapine promotes glycolysis and myelin lipid synthesis in cultured oligodendrocytes. *Frontiers in Cellular Neuroscience*, **2014**, 8, 384 | 6.1 | 32 |
| 152 | Characterization of the human serum depletome by label-free shotgun proteomics. *Journal of Separation Science*, **2011**, 34, 1621-6 | 3.4 | 32 |
| 151 | Is the word $biomarkers$being properly used by proteomics research in neuroscience?. *European Archives of Psychiatry and Clinical Neuroscience*, **2010**, 260, 561-2 | 5.1 | 32 |
| 150 | LC-MS, Multiplex MS/MS, Ion Mobility, and Label-Free Quantitation in Clinical Proteomics. *Methods in Molecular Biology*, **2017**, 1546, 57-73 | 1.4 | 31 |
| 149 | MK-801 treatment affects glycolysis in oligodendrocytes more than in astrocytes and neuronal cells: insights for schizophrenia. *Frontiers in Cellular Neuroscience*, **2015**, 9, 180 | 6.1 | 31 |
| 148 | The protein interactome of collapsin response mediator protein-2 (CRMP2/DPYSL2) reveals novel partner proteins in brain tissue. *Proteomics - Clinical Applications*, **2015**, 9, 817-31 | 3.1 | 30 |
| 147 | Human Cerebral Organoids and Fetal Brain Tissue Share Proteomic Similarities. *Frontiers in Cell and Developmental Biology*, **2019**, 7, 303 | 5.7 | 29 |
| 146 | Making Sense of Blood-Based Proteomics and Metabolomics in Psychiatric Research. *International Journal of Neuropsychopharmacology*, **2016**, 19, | 5.8 | 29 |
| 145 | Proteomic technologies for biomarker studies in psychiatry: advances and needs. *International Review of Neurobiology*, **2011**, 101, 65-94 | 4.4 | 28 |
| 144 | Ten years of proteomics in multiple sclerosis. *Proteomics*, **2014**, 14, 467-80 | 4.8 | 27 |
| 143 | SARS-CoV-2 infects brain astrocytes of COVID-19 patients and impairs neuronal viability | | 27 |
| 142 | Transcriptome of iPSC-derived neuronal cells reveals a module of co-expressed genes consistently associated with autism spectrum disorder. *Molecular Psychiatry*, **2021**, 26, 1589-1605 | 15.1 | 27 |
| 141 | Psychiatric disorders biochemical pathways unraveled by human brain proteomics. *European Archives of Psychiatry and Clinical Neuroscience*, **2017**, 267, 3-17 | 5.1 | 26 |
| 140 | The application of selective reaction monitoring confirms dysregulation of glycolysis in a preclinical model of schizophrenia. *BMC Research Notes*, **2012**, 5, 146 | 2.3 | 26 |
| 139 | Effect of MK-801 and Clozapine on the Proteome of Cultured Human Oligodendrocytes. *Frontiers in Cellular Neuroscience*, **2016**, 10, 52 | 6.1 | 26 |

| | | | |
|---|---|---|---|
| 138 | Proteomic approaches to unravel the complexity of schizophrenia. *Expert Review of Proteomics*, **2012**, 9, 97-108 | 4.2 | 25 |
| 137 | Shotgun mass spectrometry workflow combining IEF and LC-MALDI-TOF/TOF. *Protein Journal*, **2010**, 29, 99-102 | 3.9 | 25 |
| 136 | Proteome analyses of cultured astrocytes treated with MK-801 and clozapine: similarities with schizophrenia. *European Archives of Psychiatry and Clinical Neuroscience*, **2011**, 261, 217-28 | 5.1 | 24 |
| 135 | Synaptosomal Proteome of the Orbitofrontal Cortex from Schizophrenia Patients Using Quantitative Label-Free and iTRAQ-Based Shotgun Proteomics. *Journal of Proteome Research*, **2017**, 16, 4481-4494 | 5.6 | 23 |
| 134 | The emergence of point-of-care blood-based biomarker testing for psychiatric disorders: enabling personalized medicine. *Biomarkers in Medicine*, **2016**, 10, 431-43 | 2.3 | 23 |
| 133 | Abnormalities in metabolism and hypothalamic-pituitary-adrenal axis function in schizophrenia. *International Review of Neurobiology*, **2011**, 101, 145-68 | 4.4 | 23 |
| 132 | Differential expression of HINT1 in schizophrenia brain tissue. *European Archives of Psychiatry and Clinical Neuroscience*, **2012**, 262, 167-72 | 5.1 | 22 |
| 131 | Consensus paper of the WFSBP Task Force on Biological Markers: Criteria for biomarkers and endophenotypes of schizophrenia, part III: Molecular mechanisms. *World Journal of Biological Psychiatry*, **2017**, 18, 330-356 | 3.8 | 22 |
| 130 | Affinity depletion of plasma and serum for mass spectrometry-based proteome analysis. *Methods in Molecular Biology*, **2013**, 1002, 1-11 | 1.4 | 22 |
| 129 | Characterizing the proteome of the human dorsolateral prefrontal cortex by shotgun mass spectrometry. *Proteomics*, **2011**, 11, 2347-53 | 4.8 | 21 |
| 128 | Blood plasma/IgG N-glycome biosignatures associated with major depressive disorder symptom severity and the antidepressant response. *Scientific Reports*, **2018**, 8, 179 | 4.9 | 20 |
| 127 | Blood mononuclear cell proteome suggests integrin and Ras signaling as critical pathways for antidepressant treatment response. *Biological Psychiatry*, **2014**, 76, e15-7 | 7.9 | 20 |
| 126 | Proteomics as a tool for understanding schizophrenia. *Clinical Psychopharmacology and Neuroscience*, **2011**, 9, 95-101 | 3.4 | 20 |
| 125 | Peptidomic analysis of the anterior temporal lobe and corpus callosum from schizophrenia patients. *Journal of Proteomics*, **2017**, 151, 97-105 | 3.9 | 19 |
| 124 | Shotgun mass spectrometry analysis of the human thalamus proteome. *Journal of Separation Science*, **2009**, 32, 1231-6 | 3.4 | 19 |
| 123 | Neurotoxic, myotoxic and cytolytic activities of the new basic PLA(2) isoforms BmjeTX-I and BmjeTX-II isolated from the Bothrops marajoensis (Marajó Lancehead) snake venom. *Protein Journal*, **2010**, 29, 103-13 | 3.9 | 19 |
| 122 | The Nuclear Proteome of White and Gray Matter from Schizophrenia Postmortem Brains. *Molecular Neuropsychiatry*, **2017**, 3, 37-52 | 4.9 | 18 |
| 121 | Novel Treatment Strategies Targeting Myelin and Oligodendrocyte Dysfunction in Schizophrenia. *Frontiers in Psychiatry*, **2020**, 11, 379 | 5 | 17 |

| | | | |
|---|---|---|---|
| 120 | The human oligodendrocyte proteome. *Proteomics*, **2013**, 13, 3548-53 | 4.8 | 17 |
| 119 | The untiring search for the most complete proteome representation: reviewing the methods. *Briefings in Functional Genomics & Proteomics*, **2008**, 7, 312-21 | | 17 |
| 118 | Differential proteome and phosphoproteome may impact cell signaling in the corpus callosum of schizophrenia patients. *Schizophrenia Research*, **2016**, 177, 70-77 | 3.6 | 17 |
| 117 | Microbiota-derived short-chain fatty acids do not interfere with SARS-CoV-2 infection of human colonic samples. *Gut Microbes*, **2021**, 13, 1-9 | 8.8 | 17 |
| 116 | Clinical use of phosphorylated proteins in blood serum analysed by immobilised metal ion affinity chromatography and mass spectrometry. *Journal of Proteomics*, **2012**, 76 Spec No., 36-42 | 3.9 | 16 |
| 115 | Proteome profiling of peripheral mononuclear cells from human blood. *Proteomics*, **2013**, 13, 893-7 | 4.8 | 16 |
| 114 | Proteomic changes induced by anaesthesia and muscle relaxant treatment prior to electroconvulsive therapy. *Proteomics - Clinical Applications*, **2011**, 5, 644-9 | 3.1 | 16 |
| 113 | Structural and functional characterization of brazilitoxins II and III (BbTX-II and -III), two myotoxins from the venom of Bothrops brazili snake. *Toxicon*, **2009**, 54, 818-27 | 2.8 | 16 |
| 112 | Functional and structural characterization of a new serine protease with thrombin-like activity TLBan from Bothrops andianus (Andean Lancehead) snake venom. *Toxicon*, **2012**, 59, 231-40 | 2.8 | 15 |
| 111 | Plasma fibrinogen: now also an antidepressant response marker?. *Translational Psychiatry*, **2014**, 4, e352 | 8.6 | 15 |
| 110 | Proteomic profiling in schizophrenia: enabling stratification for more effective treatment. *Genome Medicine*, **2013**, 5, 25 | 14.4 | 15 |
| 109 | S100B is downregulated in the nuclear proteome of schizophrenia corpus callosum. *European Archives of Psychiatry and Clinical Neuroscience*, **2014**, 264, 311-6 | 5.1 | 14 |
| 108 | Biological pathways modulated by antipsychotics in the blood plasma of schizophrenia patients and their association to a clinical response. *NPJ Schizophrenia*, **2015**, 1, 15050 | 5.5 | 14 |
| 107 | Proteome analysis of spinal cord during the clinical course of monophasic experimental autoimmune encephalomyelitis. *Proteomics*, **2012**, 12, 2656-62 | 4.8 | 14 |
| 106 | Purification and characterization of a new weak hemorrhagic metalloproteinase BmHF-1 from Bothrops marajoensis snake venom. *Protein Journal*, **2010**, 29, 407-16 | 3.9 | 14 |
| 105 | Structural and biological characterization of two crotamine isoforms IV-2 and IV-3 isolated from the Crotalus durissus cumanensis venom. *Protein Journal*, **2007**, 26, 533-40 | 3.9 | 14 |
| 104 | Xylella fastidiosa disturbs nitrogen metabolism and causes a stress response in sweet orange Citrus sinensis cv. Pera. *Journal of Experimental Botany*, **2007**, 58, 2733-44 | 7 | 14 |
| 103 | Quantitative Subcellular Proteomics of the Orbitofrontal Cortex of Schizophrenia Patients. *Journal of Proteome Research*, **2019**, 18, 4240-4253 | 5.6 | 13 |

| | | | |
|---|---|---|---|
| 102 | Blood-Based Lipidomics Approach to Evaluate Biomarkers Associated With Response to Olanzapine, Risperidone, and Quetiapine Treatment in Schizophrenia Patients. *Frontiers in Psychiatry*, **2018**, 9, 209 | 5 | 13 |
| 101 | Deciphering the human brain proteome: characterization of the anterior temporal lobe and corpus callosum as part of the Chromosome 15-centric Human Proteome Project. *Journal of Proteome Research*, **2014**, 13, 147-57 | 5.6 | 13 |
| 100 | Characterization of the human primary visual cortex and cerebellum proteomes using shotgun mass spectrometry-data-independent analyses. *Proteomics*, **2012**, 12, 500-4 | 4.8 | 13 |
| 99 | Biochemical and pharmacological characterization of PhTX-I a new myotoxic phospholipase A2 isolated from Porthidium hyoprora snake venom. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2011**, 154, 108-19 | 3.2 | 13 |
| 98 | A Guide to Mass Spectrometry-Based Quantitative Proteomics. *Methods in Molecular Biology*, **2019**, 1916, 3-39 | 1.4 | 13 |
| 97 | The need for phosphoproteomic approaches in psychiatric research. *Journal of Psychiatric Research*, **2011**, 45, 1404-6 | 5.2 | 12 |
| 96 | Biological and biochemical characterization of two new PLA2 isoforms Cdc-9 and Cdc-10 from Crotalus durissus cumanensis snake venom. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2010**, 151, 66-74 | 3.2 | 12 |
| 95 | Proteome analysis of human dorsolateral prefrontal cortex using shotgun mass spectrometry. *Journal of Separation Science*, **2008**, 31, 3122-6 | 3.4 | 12 |
| 94 | Digging deeper in the proteome of different regions from schizophrenia brains. *Journal of Proteomics*, **2020**, 223, 103814 | 3.9 | 11 |
| 93 | Drug repositioning for psychiatric and neurological disorders through a network medicine approach. *Translational Psychiatry*, **2020**, 10, 141 | 8.6 | 11 |
| 92 | Pioneering ambient mass spectrometry imaging in psychiatry: Potential for new insights into schizophrenia. *Schizophrenia Research*, **2016**, 177, 67-69 | 3.6 | 11 |
| 91 | Proteomic similarities between heterozygous reeler mice and schizophrenia. *Biological Psychiatry*, **2013**, 74, e5-e10 | 7.9 | 11 |
| 90 | Structural and pharmacological characterization of the crotamine isoforms III-4 (MYX4_CROCu) and III-7 (MYX7_CROCu) isolated from the Crotalus durissus cumanensis venom. *Toxicon*, **2010**, 55, 1443-52 | 2.8 | 11 |
| 89 | Brain quantitative proteomics combining GeLC-MS and isotope-coded protein labeling (ICPL). *Methods in Molecular Biology*, **2014**, 1156, 175-85 | 1.4 | 11 |
| 88 | Identifying Biomarker Candidates in the Blood Plasma or Serum Proteome. *Advances in Experimental Medicine and Biology*, **2017**, 974, 193-203 | 3.6 | 10 |
| 87 | Characterization of a Protein Interactome by Co-Immunoprecipitation and Shotgun Mass Spectrometry. *Methods in Molecular Biology*, **2017**, 1546, 223-234 | 1.4 | 10 |
| 86 | Biochemical Pathways Triggered by Antipsychotics in Human [corrected] Oligodendrocytes: Potential of Discovering New Treatment Targets. *Frontiers in Pharmacology*, **2019**, 10, 186 | 5.6 | 10 |
| 85 | Analysis of the rat hypothalamus proteome by data-independent label-free LC-MS/MS. *Proteomics*, **2012**, 12, 3386-92 | 4.8 | 10 |

| | | | |
|---|---|---|---|
| 84 | Structural and functional characterization of myotoxin, Cr-IV 1, a phospholipase A2 D49 from the venom of the snake Calloselasma rhodostoma. *Biologicals*, **2008**, 36, 168-76 | 1.8 | 10 |
| 83 | DIA is not a new mass spectrometry acquisition method. *Proteomics*, **2017**, 17, 1700017 | 4.8 | 9 |
| 82 | Cannabinoids and glial cells: possible mechanism to understand schizophrenia. *European Archives of Psychiatry and Clinical Neuroscience*, **2018**, 268, 727-737 | 5.1 | 9 |
| 81 | Proteomics and molecular tools for unveiling missing links in the biochemical understanding of schizophrenia. *Proteomics - Clinical Applications*, **2016**, 10, 1148-1158 | 3.1 | 9 |
| 80 | Depletion of Highly Abundant Proteins of the Human Blood Plasma: Applications in Proteomics Studies of Psychiatric Disorders. *Methods in Molecular Biology*, **2017**, 1546, 195-204 | 1.4 | 9 |
| 79 | Ubiquitin-proteasome system, lipid metabolism and DNA damage repair are triggered by antipsychotic medication in human oligodendrocytes: implications in schizophrenia. *Scientific Reports*, **2020**, 10, 12655 | 4.9 | 9 |
| 78 | Protein disulfide isomerase plasma levels in healthy humans reveal proteomic signatures involved in contrasting endothelial phenotypes. *Redox Biology*, **2019**, 22, 101142 | 11.3 | 8 |
| 77 | Elemental fingerprinting of schizophrenia patient blood plasma before and after treatment with antipsychotics. *European Archives of Psychiatry and Clinical Neuroscience*, **2018**, 268, 565-570 | 5.1 | 8 |
| 76 | Decrease of serum S100B during an oral glucose tolerance test correlates inversely with the insulin response. *Psychoneuroendocrinology*, **2014**, 39, 33-38 | 5 | 8 |
| 75 | Differential phosphorylation of serum proteins reflecting inflammatory changes in schizophrenia patients. *European Archives of Psychiatry and Clinical Neuroscience*, **2012**, 262, 453-5 | 5.1 | 8 |
| 74 | Post-translational modification of the RhoGTPase activating protein 21, ARHGAP21, by SUMO2/3. *FEBS Letters*, **2012**, 586, 3522-8 | 3.8 | 8 |
| 73 | Testes sanguíneos de biomarcadores para diagnóstico e tratamento de desordens mentais: foco em esquizofrenia. *Revista De Psiquiatria Clinica*, **2013**, 40, 02-09 | 0.8 | 8 |
| 72 | Using mass spectrometry-based peptidomics to understand the brain and disorders such as Parkinson's disease and schizophrenia. *Current Topics in Medicinal Chemistry*, **2014**, 14, 369-81 | 3 | 8 |
| 71 | Employing proteomics to unravel the molecular effects of antipsychotics and their role in schizophrenia. *Proteomics - Clinical Applications*, **2016**, 10, 442-55 | 3.1 | 8 |
| 70 | Changes in the blood plasma lipidome associated with effective or poor response to atypical antipsychotic treatments in schizophrenia patients. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2020**, 101, 109945 | 5.5 | 8 |
| 69 | Unveiling alterative splice diversity from human oligodendrocyte proteome data. *Journal of Proteomics*, **2017**, 151, 293-301 | 3.9 | 7 |
| 68 | Application of Proteomic Techniques for Improved Stratification and Treatment of Schizophrenia Patients. *Advances in Experimental Medicine and Biology*, **2017**, 974, 3-19 | 3.6 | 7 |
| 67 | MK-801-Treated Oligodendrocytes as a Cellular Model to Study Schizophrenia. *Advances in Experimental Medicine and Biology*, **2017**, 974, 269-277 | 3.6 | 7 |

| | | | |
|---|---|---|---|
| 66 | Proteomic Differences in Blood Plasma Associated with Antidepressant Treatment Response. *Frontiers in Molecular Neuroscience*, **2017**, 10, 272 | 6.1 | 7 |
| 65 | The state of the art of nanopsychiatry for schizophrenia diagnostics and treatment. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2020**, 28, 102222 | 6 | 7 |
| 64 | Proteomic Markers for Depression. *Advances in Experimental Medicine and Biology*, **2019**, 1118, 191-206 | 3.6 | 7 |
| 63 | The Application of Multiplex Biomarker Techniques for Improved Stratification and Treatment of Schizophrenia Patients. *Methods in Molecular Biology*, **2017**, 1546, 19-35 | 1.4 | 6 |
| 62 | Proteomics is not only a biomarker discovery tool. *Proteomics - Clinical Applications*, **2009**, 3, 1136-1139 | 3.1 | 6 |
| 61 | Comprehending depression through proteomics. *International Journal of Neuropsychopharmacology* , **2012**, 15, 1373-4 | 5.8 | 6 |
| 60 | Absence of classical heat shock response in the citrus pathogen Xylella fastidiosa. *Current Microbiology*, **2007**, 54, 119-23 | 2.4 | 6 |
| 59 | Leucine-Rich Diet Modulates the Metabolomic and Proteomic Profile of Skeletal Muscle during Cancer Cachexia. *Cancers*, **2020**, 12, | 6.6 | 6 |
| 58 | Co-immunoprecipitation for Deciphering Protein Interactomes. *Advances in Experimental Medicine and Biology*, **2017**, 974, 229-236 | 3.6 | 5 |
| 57 | An overview of the human brain myelin proteome and differences associated with schizophrenia. *World Journal of Biological Psychiatry*, **2021**, 22, 271-287 | 3.8 | 5 |
| 56 | Identification of protein biomarkers in human serum using iTRAQ and shotgun mass spectrometry. *Methods in Molecular Biology*, **2013**, 1061, 291-307 | 1.4 | 5 |
| 55 | Purification and inflammatory edema induced by two PLA2 (Anch TX-I and Anch TX-II) from sea anemone Anthothoe chilensis (Actiniaria: Sagartiidae). *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2012**, 161, 170-7 | 2.3 | 5 |
| 54 | Characterization of the C-terminal half of human juvenile myoclonic epilepsy protein EFHC1: dimer formation blocks Ca2+ and Mg2+ binding to its functional EF-hand. *Archives of Biochemistry and Biophysics*, **2008**, 477, 131-8 | 4.1 | 5 |
| 53 | Comparative analysis of two-dimensional electrophoresis maps (2-DE) of Helicobacter pylori from Brazilian patients with chronic gastritis and duodenal ulcer: a preliminary report. *Revista Do Instituto De Medicina Tropical De Sao Paulo*, **2006**, 48, 175-7 | 2.2 | 5 |
| 52 | A Complete Proteomic Workflow to Study Brain-Related Disorders via Postmortem Tissue. *Methods in Molecular Biology*, **2019**, 1916, 319-328 | 1.4 | 5 |
| 51 | Effects on Glial Cell Glycolysis in Schizophrenia: An Advanced Aging Phenotype?. *Advances in Experimental Medicine and Biology*, **2019**, 1178, 25-38 | 3.6 | 5 |
| 50 | Human leukemia cells (HL-60) proteomic and biological signatures underpinning cryo-damage are differentially modulated by novel cryo-additives. *GigaScience*, **2019**, 8, | 7.6 | 5 |
| 49 | A proteomic signature associated to atypical antipsychotic response in schizophrenia patients: a pilot study. *European Archives of Psychiatry and Clinical Neuroscience*, **2020**, 270, 127-134 | 5.1 | 5 |

| | | | |
|---|---|---|---|
| 48 | Ion Mobility-Enhanced Data-Independent Acquisitions Enable a Deep Proteomic Landscape of Oligodendrocytes. *Proteomics*, **2017**, 17, 1700209 | 4.8 | 5 |
| 47 | Application of iTRAQ Shotgun Proteomics for Measurement of Brain Proteins in Studies of Psychiatric Disorders. *Advances in Experimental Medicine and Biology*, **2017**, 974, 219-227 | 3.6 | 4 |
| 46 | Blood plasma proteomic modulation induced by olanzapine and risperidone in schizophrenia patients. *Journal of Proteomics*, **2020**, 224, 103813 | 3.9 | 4 |
| 45 | Ovariectomy modifies lipid metabolism of retroperitoneal white fat in rats: a proteomic approach. *American Journal of Physiology - Endocrinology and Metabolism*, **2020**, 319, E427-E437 | 6 | 4 |
| 44 | Modulation of cognition and neuronal plasticity in gain- and loss-of-function mouse models of the schizophrenia risk gene Tcf4. *Translational Psychiatry*, **2020**, 10, 343 | 8.6 | 4 |
| 43 | Two-Dimensional Gel Electrophoresis: A Reference Protocol. *Advances in Experimental Medicine and Biology*, **2017**, 974, 175-182 | 3.6 | 3 |
| 42 | Combining Patient-Reprogrammed Neural Cells and Proteomics as a Model to Study Psychiatric Disorders. *Advances in Experimental Medicine and Biology*, **2017**, 974, 279-287 | 3.6 | 3 |
| 41 | Os efeitos do estresse na funð do eixo hipotalêmico-pituitêio-adrenal em indivíduos com esquizofrenia. *Revista De Psiquiatria Clinica*, **2013**, 40, 20-27 | 0.8 | 3 |
| 40 | Biological Applications for LC-MS-Based Proteomics. *Advances in Experimental Medicine and Biology*, **2021**, 1336, 17-29 | 3.6 | 3 |
| 39 | d-Lysergic acid diethylamide has major potential as a cognitive enhancer | | 3 |
| 38 | Linking proteomic alterations in schizophrenia hippocampus to NMDAr hypofunction in human neurons and oligodendrocytes. *European Archives of Psychiatry and Clinical Neuroscience*, **2021**, 271, 1579-1586 | 5.1 | 3 |
| 37 | 2DE Gels: A Story of Love and Hate in Proteomics. *Proteomics*, **2018**, 18, e1700472 | 4.8 | 2 |
| 36 | Key players in neurodegenerative disorders in focus-New insights into the proteomic profile of Alzheimer's disease, schizophrenia, ALS, and multiple sclerosis-24th HUPO BPP Workshop: September 29, 2015, Vancouver, Canada. *Proteomics*, **2016**, 16, 1047-50 | 4.8 | 2 |
| 35 | Proteomics and Lipidomics in the Elucidation of Endocannabinoid Signaling in Healthy and Schizophrenia Brains. *Proteomics*, **2018**, 18, e1700270 | 4.8 | 2 |
| 34 | Blood plasma high abundant protein depletion unintentionally carries over 100 proteins. *Separation Science Plus*, **2019**, 2, 449-456 | 1.1 | 2 |
| 33 | Translational strategies to schizophrenia from a proteomic perspective. *Translational Neuroscience*, **2012**, 3, | 1.2 | 2 |
| 32 | Combined proteome and transcriptome analyses reveal that Zika virus circulating in Brazil alters cell cycle and neurogenic programmes in human neurospheres | | 2 |
| 31 | Simultaneous Two-Dimensional Difference Gel Electrophoresis (2D-DIGE) Analysis of Two Distinct Proteomes. *Methods in Molecular Biology*, **2017**, 1546, 205-212 | 1.4 | 2 |

| | | | |
|---|---|---|---|
| 30 | Comprehensive Shotgun Proteomic Analyses of Oligodendrocytes Using Ion Mobility and Data-Independent Acquisition. *Neuromethods*, **2017**, 65-74 | 0.4 | 2 |
| 29 | Short term changes in the proteome of human cerebral organoids induced by 5-methoxy-N,N-dimethyltryptamine | | 2 |
| 28 | Cannabidiol Displays Proteomic Similarities to Antipsychotics in Cuprizone-Exposed Human Oligodendrocytic Cell Line MO3.13. *Frontiers in Molecular Neuroscience*, **2021**, 14, 673144 | 6.1 | 2 |
| 27 | Maturation of a Human Oligodendrocyte Cell Line. *Methods in Molecular Biology*, **2019**, 1916, 113-121 | 1.4 | 2 |
| 26 | Proteomic Analysis of Rat Hippocampus for Studies of Cognition and Memory Loss with Aging. *Methods in Molecular Biology*, **2020**, 2138, 407-417 | 1.4 | 2 |
| 25 | LC-MS for Qualitative and Quantitative Proteomic Studies of Psychiatric Disorders. *Advances in Experimental Medicine and Biology*, **2017**, 974, 115-129 | 3.6 | 1 |
| 24 | Modeling Schizophrenia with Human Stem Cells **2018**, 13-26 | | 1 |
| 23 | The usage of codons which are similar to stop codons in the genomes of Xylella fastidiosa and Xanthomonas citri. *Current Microbiology*, **2011**, 62, 1090-5 | 2.4 | 1 |
| 22 | Proteome analysis of lumbar spinal cord from rats submitted to peripheral lesion during neonatal period. *Journal of Neural Transmission*, **2010**, 117, 689-93 | 4.3 | 1 |
| 21 | Translational strategies to schizophrenia from a proteomic perspective | | 1 |
| 20 | RNA Biomarkers in Schizophrenia **2008**, 97-127 | | 1 |
| 19 | Using Co-immunoprecipitation and Shotgun Mass Spectrometry for Protein-Protein Interaction Identification in Cultured Human Oligodendrocytes. *Neuromethods*, **2019**, 37-47 | 0.4 | 1 |
| 18 | What Does Proteomics Tell Us About Schizophrenia? **2011**, 345-366 | | 1 |
| 17 | Evidence of macrophage modulation in the mouse pubic symphysis remodeling during the end of first pregnancy and postpartum. *Scientific Reports*, **2020**, 10, 12403 | 4.9 | 1 |
| 16 | Proteomics for Target Identification in Psychiatric and Neurodegenerative Disorders. *Advances in Experimental Medicine and Biology*, **2021**, 1286, 251-264 | 3.6 | 1 |
| 15 | A glimpse on the architecture of hnRNP C1/C2 interaction network in cultured oligodendrocytes. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2021**, 1869, 140711 | 4 | 1 |
| 14 | Liquid Chromatography Tandem Mass Spectrometry Analysis of Proteins Associated with Age-Related Disorders in Human Pituitary Tissue. *Methods in Molecular Biology*, **2020**, 2138, 263-276 | 1.4 | 1 |
| 13 | Selective Reaction Monitoring Mass Spectrometry for Quantitation of Glycolytic Enzymes in Postmortem Brain Samples. *Advances in Experimental Medicine and Biology*, **2017**, 974, 205-212 | 3.6 | 0 |

| | | | |
|---|---|---|---|
| 12 | Human disease biomarker panels through systems biology.. *Biophysical Reviews*, **2021**, 13, 1179-1190 | 3.7 | 0 |
| 11 | 14-3-3 proteins at the crossroads of neurodevelopment and schizophrenia. *World Journal of Biological Psychiatry*, **2021**, 1-19 | 3.8 | 0 |
| 10 | Human Blood Plasma Investigation Employing 2D UPLC-UDMS Data-Independent Acquisition Proteomics. *Methods in Molecular Biology*, **2021**, 2259, 153-165 | 1.4 | 0 |
| 9 | A Selected Reaction Monitoring Mass Spectrometry Protocol for Validation of Proteomic Biomarker Candidates in Studies of Psychiatric Disorders. *Advances in Experimental Medicine and Biology*, **2017**, 974, 213-218 | 3.6 | |
| 8 | What Have Proteomic Studies Taught Us About Novel Drug Targets in Autism?. *Advances in Experimental Medicine and Biology*, **2017**, 974, 49-67 | 3.6 | |
| 7 | Application of Proteomic Approaches to Accelerate Drug Development for Psychiatric Disorders. *Advances in Experimental Medicine and Biology*, **2017**, 974, 69-84 | 3.6 | |
| 6 | Deciphering the biochemistry and identifying biomarkers to multiple sclerosis. *Proteomics*, **2015**, 15, 3281-2 | 4.8 | |
| 5 | Proteomic Characterization of the Brain and Cerebrospinal Fluid of Schizophrenia Patients. *Advances in Biological Psychiatry*, **2014**, 1-1 | | |
| 4 | Nuclear Proteomics for Exploring MK-801-Treated Oligodendrocytes to Better Understand Schizophrenia. *Neuromethods*, **2017**, 281-288 | 0.4 | |
| 3 | Genetic and Proteomic Studies in Schizophrenia **2010**, 193-218 | | |
| 2 | Anlise proteômica da esquizofrenia. *Revista De Psiquiatria Clinica*, **2013**, 40, 16-19 | 0.8 | |
| 1 | DIA-MS to Study Microglial Function in Schizophrenia. *Methods in Molecular Biology*, **2021**, 2228, 341-352 | 1.4 | |