Daniel Martins-de-Souza

List of Publications by Year in Descending Order

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	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
190	Biological Applications for LC-MS-Based Proteomics. *Advances in Experimental Medicine and Biology*, **2021**, 1336, 17-29	3.6	3
189	Human disease biomarker panels through systems biology.. *Biophysical Reviews*, **2021**, 13, 1179-1190	3.7	0
188	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
187	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
186	14-3-3 proteins at the crossroads of neurodevelopment and schizophrenia. *World Journal of Biological Psychiatry*, **2021**, 1-19	3.8	0
185	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
184	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
183	DIA-MS to Study Microglial Function in Schizophrenia. *Methods in Molecular Biology*, **2021**, 2228, 341-352	1.4	
182	Proteomics for Target Identification in Psychiatric and Neurodegenerative Disorders. *Advances in Experimental Medicine and Biology*, **2021**, 1286, 251-264	3.6	1
181	Human Blood Plasma Investigation Employing 2D UPLC-UDMS Data-Independent Acquisition Proteomics. *Methods in Molecular Biology*, **2021**, 2259, 153-165	1.4	0
180	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
179	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
178	Digging deeper in the proteome of different regions from schizophrenia brains. *Journal of Proteomics*, **2020**, 223, 103814	3.9	11
177	Drug repositioning for psychiatric and neurological disorders through a network medicine approach. *Translational Psychiatry*, **2020**, 10, 141	8.6	11
176	Blood plasma proteomic modulation induced by olanzapine and risperidone in schizophrenia patients. *Journal of Proteomics*, **2020**, 224, 103813	3.9	4
175	Novel Treatment Strategies Targeting Myelin and Oligodendrocyte Dysfunction in Schizophrenia. *Frontiers in Psychiatry*, **2020**, 11, 379	5	17

174	The state of the art of nanopsychiatry for schizophrenia diagnostics and treatment. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2020**, 28, 102222	6	7
173	Leucine-Rich Diet Modulates the Metabolomic and Proteomic Profile of Skeletal Muscle during Cancer Cachexia. *Cancers*, **2020**, 12,	6.6	6
172	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
171	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
170	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
169	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
168	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
167	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
166	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
165	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
164	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
163	Quantitative Subcellular Proteomics of the Orbitofrontal Cortex of Schizophrenia Patients. *Journal of Proteome Research*, **2019**, 18, 4240-4253	5.6	13
162	Biochemical Pathways Triggered by Antipsychotics in Human [corrected] Oligodendrocytes: Potential of Discovering New Treatment Targets. *Frontiers in Pharmacology*, **2019**, 10, 186	5.6	10
161	Protein disulfide isomerase plasma levels in healthy humans reveal proteomic signatures involved in contrasting endothelial phenotypes. *Redox Biology*, **2019**, 22, 101142	11.3	8
160	Human Cerebral Organoids and Fetal Brain Tissue Share Proteomic Similarities. *Frontiers in Cell and Developmental Biology*, **2019**, 7, 303	5.7	29
159	Blood plasma high abundant protein depletion unintentionally carries over 100 proteins. *Separation Science Plus*, **2019**, 2, 449-456	1.1	2
158	Using Co-immunoprecipitation and Shotgun Mass Spectrometry for Protein-Protein Interaction Identification in Cultured Human Oligodendrocytes. *Neuromethods*, **2019**, 37-47	0.4	1
157	A Complete Proteomic Workflow to Study Brain-Related Disorders via Postmortem Tissue. *Methods in Molecular Biology*, **2019**, 1916, 319-328	1.4	5

156	Effects on Glial Cell Glycolysis in Schizophrenia: An Advanced Aging Phenotype?. *Advances in Experimental Medicine and Biology*, **2019**, 1178, 25-38	3.6	5
155	Proteomic Markers for Depression. *Advances in Experimental Medicine and Biology*, **2019**, 1118, 191-206	3.6	7
154	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
153	Maturation of a Human Oligodendrocyte Cell Line. *Methods in Molecular Biology*, **2019**, 1916, 113-121	1.4	2
152	A Guide to Mass Spectrometry-Based Quantitative Proteomics. *Methods in Molecular Biology*, **2019**, 1916, 3-39	1.4	13
151	Cannabinoids and glial cells: possible mechanism to understand schizophrenia. *European Archives of Psychiatry and Clinical Neuroscience*, **2018**, 268, 727-737	5.1	9
150	2DE Gels: A Story of Love and Hate in Proteomics. *Proteomics*, **2018**, 18, e1700472	4.8	2
149	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
148	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
147	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
146	Proteomics and Lipidomics in the Elucidation of Endocannabinoid Signaling in Healthy and Schizophrenia Brains. *Proteomics*, **2018**, 18, e1700270	4.8	2
145	Modeling Schizophrenia with Human Stem Cells **2018**, 13-26		1
144	13.3 EFFECTS OF CANNABINOIDS ON A HUMAN OLIGODENDROCYTE CULTURE: IMPLICATIONS FOR SCHIZOPHRENIA. *Schizophrenia Bulletin*, **2018**, 44, S22-S22	1.3	78
143	Peptidomic analysis of the anterior temporal lobe and corpus callosum from schizophrenia patients. *Journal of Proteomics*, **2017**, 151, 97-105	3.9	19
142	Unveiling alterative splice diversity from human oligodendrocyte proteome data. *Journal of Proteomics*, **2017**, 151, 293-301	3.9	7
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	Zika virus disrupts molecular fingerprinting of human neurospheres. *Scientific Reports*, **2017**, 7, 40780	4.9	82
139	DIA is not a new mass spectrometry acquisition method. *Proteomics*, **2017**, 17, 1700017	4.8	9

138	Two-Dimensional Gel Electrophoresis: A Reference Protocol. *Advances in Experimental Medicine and Biology*, **2017**, 974, 175-182	3.6	3
137	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
136	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	
135	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
134	Identifying Biomarker Candidates in the Blood Plasma or Serum Proteome. *Advances in Experimental Medicine and Biology*, **2017**, 974, 193-203	3.6	10
133	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
132	MK-801-Treated Oligodendrocytes as a Cellular Model to Study Schizophrenia. *Advances in Experimental Medicine and Biology*, **2017**, 974, 269-277	3.6	7
131	What Have Proteomic Studies Taught Us About Novel Drug Targets in Autism?. *Advances in Experimental Medicine and Biology*, **2017**, 974, 49-67	3.6	
130	Derivation of Functional Human Astrocytes from Cerebral Organoids. *Scientific Reports*, **2017**, 7, 45091	4.9	49
129	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
128	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
127	Co-immunoprecipitation for Deciphering Protein Interactomes. *Advances in Experimental Medicine and Biology*, **2017**, 974, 229-236	3.6	5
126	Application of Proteomic Approaches to Accelerate Drug Development for Psychiatric Disorders. *Advances in Experimental Medicine and Biology*, **2017**, 974, 69-84	3.6	
125	LC-MS for Qualitative and Quantitative Proteomic Studies of Psychiatric Disorders. *Advances in Experimental Medicine and Biology*, **2017**, 974, 115-129	3.6	1
124	Characterization of a Protein Interactome by Co-Immunoprecipitation and Shotgun Mass Spectrometry. *Methods in Molecular Biology*, **2017**, 1546, 223-234	1.4	10
123	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
122	Short term changes in the proteome of human cerebral organoids induced by 5-MeO-DMT. *Scientific Reports*, **2017**, 7, 12863	4.9	47
121	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

120	The Nuclear Proteome of White and Gray Matter from Schizophrenia Postmortem Brains. *Molecular Neuropsychiatry*, **2017**, 3, 37-52	4.9	18
119	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
118	The Energy Metabolism Dysfunction in Psychiatric Disorders Postmortem Brains: Focus on Proteomic Evidence. *Frontiers in Neuroscience*, **2017**, 11, 493	5.1	70
117	Proteomic Differences in Blood Plasma Associated with Antidepressant Treatment Response. *Frontiers in Molecular Neuroscience*, **2017**, 10, 272	6.1	7
116	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
115	Simultaneous Two-Dimensional Difference Gel Electrophoresis (2D-DIGE) Analysis of Two Distinct Proteomes. *Methods in Molecular Biology*, **2017**, 1546, 205-212	1.4	2
114	Comprehensive Shotgun Proteomic Analyses of Oligodendrocytes Using Ion Mobility and Data-Independent Acquisition. *Neuromethods*, **2017**, 65-74	0.4	2
113	Nuclear Proteomics for Exploring MK-801-Treated Oligodendrocytes to Better Understand Schizophrenia. *Neuromethods*, **2017**, 281-288	0.4	
112	Ion Mobility-Enhanced Data-Independent Acquisitions Enable a Deep Proteomic Landscape of Oligodendrocytes. *Proteomics*, **2017**, 17, 1700209	4.8	5
111	Proteomics and molecular tools for unveiling missing links in the biochemical understanding of schizophrenia. *Proteomics - Clinical Applications*, **2016**, 10, 1148-1158	3.1	9
110	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
109	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
108	Pioneering ambient mass spectrometry imaging in psychiatry: Potential for new insights into schizophrenia. *Schizophrenia Research*, **2016**, 177, 67-69	3.6	11
107	Making Sense of Blood-Based Proteomics and Metabolomics in Psychiatric Research. *International Journal of Neuropsychopharmacology*, **2016**, 19,	5.8	29
106	Effect of MK-801 and Clozapine on the Proteome of Cultured Human Oligodendrocytes. *Frontiers in Cellular Neuroscience*, **2016**, 10, 52	6.1	26
105	Differential proteome and phosphoproteome may impact cell signaling in the corpus callosum of schizophrenia patients. *Schizophrenia Research*, **2016**, 177, 70-77	3.6	17
104	Employing proteomics to unravel the molecular effects of antipsychotics and their role in schizophrenia. *Proteomics - Clinical Applications*, **2016**, 10, 442-55	3.1	8
103	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

102	The proteome of schizophrenia. *NPJ Schizophrenia*, **2015**, 1, 14003	5.5	73
101	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
100	Disturbed macro-connectivity in schizophrenia linked to oligodendrocyte dysfunction: from structural findings to molecules. *NPJ Schizophrenia*, **2015**, 1, 15034	5.5	50
99	Deciphering the biochemistry and identifying biomarkers to multiple sclerosis. *Proteomics*, **2015**, 15, 3281-2	4.8	
98	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
97	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
96	2DE: the phoenix of proteomics. *Journal of Proteomics*, **2014**, 104, 140-50	3.9	103
95	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
94	The overexpression of a single oncogene (ERBB2/HER2) alters the proteomic landscape of extracellular vesicles. *Proteomics*, **2014**, 14, 1472-9	4.8	38
93	Ten years of proteomics in multiple sclerosis. *Proteomics*, **2014**, 14, 467-80	4.8	27
92	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
91	Dysregulated expression of neuregulin-1 by cortical pyramidal neurons disrupts synaptic plasticity. *Cell Reports*, **2014**, 8, 1130-45	10.6	66
90	Decrease of serum S100B during an oral glucose tolerance test correlates inversely with the insulin response. *Psychoneuroendocrinology*, **2014**, 39, 33-38	5	8
89	Clozapine promotes glycolysis and myelin lipid synthesis in cultured oligodendrocytes. *Frontiers in Cellular Neuroscience*, **2014**, 8, 384	6.1	32
88	Proteomic changes in serum of first onset, antidepressant drug-naïve major depression patients. *International Journal of Neuropsychopharmacology*, **2014**, 17, 1599-608	5.8	75
87	Plasma fibrinogen: now also an antidepressant response marker?. *Translational Psychiatry*, **2014**, 4, e352	8.6	15
86	Proteomic Characterization of the Brain and Cerebrospinal Fluid of Schizophrenia Patients. *Advances in Biological Psychiatry*, **2014**, 1-1		
85	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

84	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
83	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
82	Brain quantitative proteomics combining GeLC-MS and isotope-coded protein labeling (ICPL). *Methods in Molecular Biology*, **2014**, 1156, 175-85	1.4	11
81	Identification of protein biomarkers in human serum using iTRAQ and shotgun mass spectrometry. *Methods in Molecular Biology*, **2013**, 1061, 291-307	1.4	5
80	Proteomic similarities between heterozygous reeler mice and schizophrenia. *Biological Psychiatry*, **2013**, 74, e5-e10	7.9	11
79	Affinity depletion of plasma and serum for mass spectrometry-based proteome analysis. *Methods in Molecular Biology*, **2013**, 1002, 1-11	1.4	22
78	Proteomic profiling in schizophrenia: enabling stratification for more effective treatment. *Genome Medicine*, **2013**, 5, 25	14.4	15
77	Proteome profiling of peripheral mononuclear cells from human blood. *Proteomics*, **2013**, 13, 893-7	4.8	16
76	The human oligodendrocyte proteome. *Proteomics*, **2013**, 13, 3548-53	4.8	17
75	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
74	Os efeitos do estresse na função do eixo hipotalâmico-pituitário-adrenal em indivíduos com esquizofrenia. *Revista De Psiquiatria Clinica*, **2013**, 40, 20-27	0.8	3
73	Análise proteômica da esquizofrenia. *Revista De Psiquiatria Clinica*, **2013**, 40, 16-19	0.8	
72	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
71	Differential expression of HINT1 in schizophrenia brain tissue. *European Archives of Psychiatry and Clinical Neuroscience*, **2012**, 262, 167-72	5.1	22
70	Analysis of the rat hypothalamus proteome by data-independent label-free LC-MS/MS. *Proteomics*, **2012**, 12, 3386-92	4.8	10
69	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
68	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
67	Post-translational modification of the RhoGTPase activating protein 21, ARHGAP21, by SUMO2/3. *FEBS Letters*, **2012**, 586, 3522-8	3.8	8

66	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
65	Protein phosphorylation patterns in serum from schizophrenia patients and healthy controls. *Journal of Proteomics*, **2012**, 76 Spec No., 43-55	3.9	65
64	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
63	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
62	Proteome analysis of spinal cord during the clinical course of monophasic experimental autoimmune encephalomyelitis. *Proteomics*, **2012**, 12, 2656-62	4.8	14
61	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
60	Translational strategies to schizophrenia from a proteomic perspective. *Translational Neuroscience*, **2012**, 3,	1.2	2
59	Proteomic approaches to unravel the complexity of schizophrenia. *Expert Review of Proteomics*, **2012**, 9, 97-108	4.2	25
58	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
57	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
56	To label or not to label: applications of quantitative proteomics in neuroscience research. *Proteomics*, **2012**, 12, 736-47	4.8	52
55	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
54	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
53	Comprehending depression through proteomics. *International Journal of Neuropsychopharmacology* , **2012**, 15, 1373-4	5.8	6
52	Abnormalities in metabolism and hypothalamic-pituitary-adrenal axis function in schizophrenia. *International Review of Neurobiology*, **2011**, 101, 145-68	4.4	23
51	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
50	Proteomic technologies for biomarker studies in psychiatry: advances and needs. *International Review of Neurobiology*, **2011**, 101, 65-94	4.4	28
49	The need for phosphoproteomic approaches in psychiatric research. *Journal of Psychiatric Research*, **2011**, 45, 1404-6	5.2	12

48	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
47	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
46	Quantitative proteomics for investigating psychiatric disorders. *Proteomics - Clinical Applications*, **2011**, 5, 38-49	3.1	48
45	Proteomic changes induced by anaesthesia and muscle relaxant treatment prior to electroconvulsive therapy. *Proteomics - Clinical Applications*, **2011**, 5, 644-9	3.1	16
44	Characterizing the proteome of the human dorsolateral prefrontal cortex by shotgun mass spectrometry. *Proteomics*, **2011**, 11, 2347-53	4.8	21
43	Characterization of the human serum depletome by label-free shotgun proteomics. *Journal of Separation Science*, **2011**, 34, 1621-6	3.4	32
42	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
41	Proteomics as a tool for understanding schizophrenia. *Clinical Psychopharmacology and Neuroscience*, **2011**, 9, 95-101	3.4	20
40	What Does Proteomics Tell Us About Schizophrenia? **2011**, 345-366		1
39	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
38	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
37	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
36	Proteome analysis of schizophrenia brain tissue. *World Journal of Biological Psychiatry*, **2010**, 11, 110-20	3.8	76
35	The role of proteomics in depression research. *European Archives of Psychiatry and Clinical Neuroscience*, **2010**, 260, 499-506	5.1	49
34	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
33	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
32	Shotgun mass spectrometry workflow combining IEF and LC-MALDI-TOF/TOF. *Protein Journal*, **2010**, 29, 99-102	3.9	25
31	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

30	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
29	Proteome and transcriptome analysis suggests oligodendrocyte dysfunction in schizophrenia. *Journal of Psychiatric Research*, **2010**, 44, 149-56	5.2	66
28	Sex-specific proteome differences in the anterior cingulate cortex of schizophrenia. *Journal of Psychiatric Research*, **2010**, 44, 989-91	5.2	64
27	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
26	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
25	Genetic and Proteomic Studies in Schizophrenia **2010**, 193-218		
24	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
23	Shotgun mass spectrometry analysis of the human thalamus proteome. *Journal of Separation Science*, **2009**, 32, 1231-6	3.4	19
22	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
21	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
20	Proteomics is not only a biomarker discovery tool. *Proteomics - Clinical Applications*, **2009**, 3, 1136-1139	3.1	6
19	Proteome analysis of schizophrenia patients Wernicke's area reveals an energy metabolism dysregulation. *BMC Psychiatry*, **2009**, 9, 17	4.2	113
18	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
17	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
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3	Short term changes in the proteome of human cerebral organoids induced by 5-methoxy-N,N-dimethyltryptamine		2
2	SARS-CoV-2 infects brain astrocytes of COVID-19 patients and impairs neuronal viability		27
1	d-Lysergic acid diethylamide has major potential as a cognitive enhancer		3