

Xavier Gallart-Palau

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

810
citations

471061

17
h-index

525886

27
g-index

28
all docs

28
docs citations

28
times ranked

1483
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracellular vesicles are rapidly purified from human plasma by Protein Organic Solvent Precipitation (PROSPR). <i>Scientific Reports</i> , 2015, 5, 14664.	1.6	99
2	Enrichment of extracellular vesicles from tissues of the central nervous system by PROSPR. <i>Molecular Neurodegeneration</i> , 2016, 11, 41.	4.4	76
3	Neuregulin-1 is concentrated in the postsynaptic subsurface cistern of Calbouton inputs to motoneurons and altered during motoneuron diseases. <i>FASEB Journal</i> , 2014, 28, 3618-3632.	0.2	65
4	Gender differences in white matter pathology and mitochondrial dysfunction in Alzheimer's disease with cerebrovascular disease. <i>Molecular Brain</i> , 2016, 9, 27.	1.3	58
5	Recent advances in mass spectrometric analysis of protein deamidation. <i>Mass Spectrometry Reviews</i> , 2017, 36, 677-692.	2.8	56
6	Alzheimer's disease progression characterized by alterations in the molecular profiles and biogenesis of brain extracellular vesicles. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 54.	3.0	47
7	Brain-derived and circulating vesicle profiles indicate neurovascular unit dysfunction in early Alzheimer's disease. <i>Brain Pathology</i> , 2019, 29, 593-605.	2.1	44
8	Brain ureido degenerative protein modifications are associated with neuroinflammation and proteinopathy in Alzheimer's disease with cerebrovascular disease. <i>Journal of Neuroinflammation</i> , 2017, 14, 175.	3.1	35
9	Oxidative Damage to the TCA Cycle Enzyme MDH1 Dysregulates Bioenergetic Enzymatic Activity in the Aged Murine Brain. <i>Journal of Proteome Research</i> , 2020, 19, 1706-1717.	1.8	32
10	Characterization of Glutamine Deamidation by Long-Length Electrostatic Repulsion-Hydrophilic Interaction Chromatography-Tandem Mass Spectrometry (LERLIC-MS/MS) in Shotgun Proteomics. <i>Analytical Chemistry</i> , 2016, 88, 10573-10582.	3.2	31
11	Dementia-linked amyloidosis is associated with brain protein deamidation as revealed by proteomic profiling of human brain tissues. <i>Molecular Brain</i> , 2016, 9, 20.	1.3	30
12	Uncovering Neurodegenerative Protein Modifications via Proteomic Profiling. <i>International Review of Neurobiology</i> , 2015, 121, 87-116.	0.9	28
13	Temporal lobe proteins implicated in synaptic failure exhibit differential expression and deamidation in vascular dementia. <i>Neurochemistry International</i> , 2015, 80, 87-98.	1.9	26
14	Global rewiring of p53 transcription regulation by the hepatitis B virus X protein. <i>Molecular Oncology</i> , 2016, 10, 1183-1195.	2.1	23
15	Monocyte adhesion to atherosclerotic matrix proteins is enhanced by Asn-Gly-Arg deamidation. <i>Scientific Reports</i> , 2017, 7, 5765.	1.6	23
16	Commercial processed soy-based food product contains glycosylated and glycoxidated lunasin proteoforms. <i>Scientific Reports</i> , 2016, 6, 26106.	1.6	22
17	Degenerative protein modifications in the aging vasculature and central nervous system: A problem shared is not always halved. <i>Ageing Research Reviews</i> , 2019, 53, 100909.	5.0	22
18	Plasma proteome coverage is increased by unique peptide recovery from sodium deoxycholate precipitate. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 1963-1973.	1.9	20

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19	Vascular Bed Molecular Profiling by Differential Systemic Decellularization In Vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 2396-2409.	1.1	16
20	Industrial By-Products As a Novel Circular Source of Biocompatible Extracellular Vesicles. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	10
21	Online Removal of Sodium Dodecyl Sulfate via Weak Cation Exchange in Liquid Chromatography-“Mass Spectrometry Based Proteomics. <i>Journal of Proteome Research</i> , 2018, 17, 2390-2400.	1.8	9
22	Plant-derived nootropics and human cognition: A systematic review. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 5521-5545.	5.4	9
23	Normal discrimination of spatial frequency and contrast across visual hemifields in left-onset Parkinson’s disease: Evidence against perceptual hemifield biases. <i>Vision Research</i> , 2015, 107, 94-100.	0.7	8
24	Drosophila expressing human SOD1 successfully recapitulates mitochondrial phenotypic features of familial amyotrophic lateral sclerosis. <i>Neuroscience Letters</i> , 2016, 624, 47-52.	1.0	8
25	System-wide molecular dynamics of endothelial dysfunction in Gram-negative sepsis. <i>BMC Biology</i> , 2020, 18, 175.	1.7	6
26	LERLIC-MS/MS for In-depth Characterization and Quantification of Glutamine and Asparagine Deamidation in Shotgun Proteomics. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	4
27	Prooxidant modifications in the cryptome of beef jerky, the deleterious post-digestion composition of processed meat snacks. <i>Food Research International</i> , 2019, 125, 108569.	2.9	3
28	PARK2 Induces Autophagy Removal of Impaired Mitochondria via Ubiquitination. , 2014, , 175-188.		0