

Jerome Vialaret

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

1,508
citations

361413

20
h-index

315739

38
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44
all docs

44
docs citations

44
times ranked

2883
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Arabidopsis thaliana</i> High-Affinity Phosphate Transporters Exhibit Multiple Levels of Posttranslational Regulation. <i>Plant Cell</i> , 2011, 23, 1523-1535.	6.6	218
2	Regulation of glutamate metabolism by protein kinases in mycobacteria. <i>Molecular Microbiology</i> , 2008, 70, 1408-1423.	2.5	147
3	Differential Mass Spectrometry Profiles of Tau Protein in the Cerebrospinal Fluid of Patients with Alzheimer's Disease, Progressive Supranuclear Palsy, and Dementia with Lewy Bodies. <i>Journal of Alzheimer's Disease</i> , 2016, 51, 1033-1043.	2.6	104
4	Current and future use of dried blood spot analyses in clinical chemistry. <i>Clinical Chemistry and Laboratory Medicine</i> , 2013, 51, 1897-1909.	2.3	102
5	Tau Protein Quantification in Human Cerebrospinal Fluid by Targeted Mass Spectrometry at High Sequence Coverage Provides Insights into Its Primary Structure Heterogeneity. <i>Journal of Proteome Research</i> , 2016, 15, 667-676.	3.7	91
6	Evolution of S-Cysteinylation and S-Glutathionylation Thiol Precursors during Oxidation of Melon B. and Sauvignon blanc Musts. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 4406-4413.	5.2	86
7	Cerebrospinal fluid levels of orexin-A and histamine, and sleep profile within the Alzheimer process. <i>Neurobiology of Aging</i> , 2017, 53, 59-66.	3.1	76
8	Coordinated Post-translational Responses of Aquaporins to Abiotic and Nutritional Stimuli in <i>Arabidopsis</i> Roots. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 3886-3897.	3.8	73
9	Quantitative Clinical Chemistry Proteomics (qCCP) using mass spectrometry: general characteristics and application. <i>Clinical Chemistry and Laboratory Medicine</i> , 2013, 51, 919-35.	2.3	47
10	From radioimmunoassay to mass spectrometry: a new method to quantify orexin-A (hypocretin-1) in cerebrospinal fluid. <i>Scientific Reports</i> , 2016, 6, 25162.	3.3	36
11	Antibody-free quantification of seven tau peptides in human CSF using targeted mass spectrometry. <i>Frontiers in Neuroscience</i> , 2015, 9, 302.	2.8	34
12	The calcium-dependent protein kinase CPK7 acts on root hydraulic conductivity. <i>Plant, Cell and Environment</i> , 2015, 38, 1312-1320.	5.7	34
13	Phosphorylation dynamics of membrane proteins from <i>Arabidopsis</i> roots submitted to salt stress. <i>Proteomics</i> , 2014, 14, 1058-1070.	2.2	32
14	Validation of a nanoliquid chromatography-tandem mass spectrometry method for the identification and the accurate quantification by isotopic dilution of glutathionylation and cysteinylation precursors of 3-mercaptohexan-1-ol and 4-mercapto-4-methylpentan-2-one in white grape juices. <i>Journal of Chromatography A</i> , 2010, 1217, 1626-1635.	3.7	31
15	Quantitative detection of amyloid- β^2 peptides by mass spectrometry: state of the art and clinical applications. <i>Clinical Chemistry and Laboratory Medicine</i> , 2015, 53, 1483-93.	2.3	30
16	Use of plasma biomarkers for AT(N) classification of neurodegenerative dementias. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021, 92, 1206-1214.	1.9	30
17	Clinical mass spectrometry proteomics (cMSP) for medical laboratory: What does the future hold?. <i>Clinica Chimica Acta</i> , 2017, 467, 51-58.	1.1	29
18	Association between serum hepcidin level and restless legs syndrome. <i>Movement Disorders</i> , 2018, 33, 618-627.	3.9	25

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19	Detection of amyloid beta peptides in body fluids for the diagnosis of alzheimer's disease: Where do we stand?. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2020, 57, 99-113.	6.1	24
20	Absolute quantification of 35 plasma biomarkers in human saliva using targeted MS. <i>Bioanalysis</i> , 2016, 8, 43-53.	1.5	22
21	Hepcidin and ferritin levels in restless legs syndrome: a case-control study. <i>Scientific Reports</i> , 2020, 10, 11914.	3.3	21
22	Clinical measurement of Hepcidin-25 in human serum: Is quantitative mass spectrometry up to the job?. <i>EuPA Open Proteomics</i> , 2014, 3, 60-67.	2.5	19
23	Development of new quantitative mass spectrometry and semi-automatic isofocusing methods for the determination of Apolipoprotein E typing. <i>Clinica Chimica Acta</i> , 2016, 454, 33-38.	1.1	19
24	Clinical perspectives of dried blood spot protein quantification using mass spectrometry methods. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2017, 54, 173-184.	6.1	19
25	Towards a routine application of Top-Down approaches for label-free discovery workflows. <i>Journal of Proteomics</i> , 2018, 175, 12-26.	2.4	17
26	Quantifying RNA modifications by mass spectrometry: a novel source of biomarkers in oncology. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2022, 59, 1-18.	6.1	14
27	Quantification of hepcidin-25 in human cerebrospinal fluid using LC-MS/MS. <i>Bioanalysis</i> , 2017, 9, 337-347.	1.5	12
28	Assessing a multiplex-targeted proteomics approach for the clinical diagnosis of periodontitis using saliva samples. <i>Bioanalysis</i> , 2018, 10, 35-45.	1.5	12
29	Identification of multiple proteoforms biomarkers on clinical samples by routine Top-Down approaches. <i>Data in Brief</i> , 2018, 18, 1013-1021.	1.0	12
30	What sample preparation should be chosen for targeted MS monoclonal antibody quantification in human serum?. <i>Bioanalysis</i> , 2018, 10, 723-735.	1.5	12
31	Stable Isotope Labeling by Amino acid <i>in Vivo</i> (SILAV): a new method to explore protein metabolism. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1917-1925.	1.5	10
32	Impact of iron deficiency diagnosis using hepcidin mass spectrometry dosage methods on hospital stay and costs after a prolonged ICU stay: Study protocol for a multicentre, randomised, single-blinded medico-economic trial. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2017, 36, 391-396.	1.4	9
33	Regulatory context and validation of assays for clinical mass spectrometry proteomics (cMSP) methods. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2018, 55, 346-358.	6.1	9
34	Development and validation of dried matrix spot sampling for the quantitative determination of amyloid β peptides in cerebrospinal fluid. <i>Clinical Chemistry and Laboratory Medicine</i> , 2014, 52, 649-55.	2.3	8
35	Variation of human salivary alpha-amylase proteoforms in three stimulation models. <i>Clinical Oral Investigations</i> , 2020, 24, 475-486.	3.0	7
36	Blood amyloid and tau biomarkers as predictors of cerebrospinal fluid profiles. <i>Journal of Neural Transmission</i> , 2022, 129, 231-237.	2.8	7

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37	Nano-flow vs standard-flow: Which is the more suitable LC/MS method for quantifying hepcidin-25 in human serum in routine clinical settings?. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1086, 110-117.	2.3	6
38	In Vivo Large-Scale Mapping of Protein Turnover in Human Cerebrospinal Fluid. <i>Analytical Chemistry</i> , 2019, 91, 15500-15508.	6.5	6
39	Analytical comparison of ELISA and mass spectrometry for quantification of serum hepcidin in critically ill patients. <i>Bioanalysis</i> , 2021, 13, 1029-1035.	1.5	6
40	Impact of biological matrix on inflammatory protein biomarker quantification based on targeted mass spectrometry. <i>Bioanalysis</i> , 2018, 10, 1383-1399.	1.5	5
41	Proteomic profile of cerebrospinal fluid in patients with multiple sclerosis using two dimensional gel electrophoresis. <i>British Journal of Biomedical Science</i> , 2016, 73, 143-146.	1.3	4
42	Hepcidin: immunoanalytic characteristics. <i>Annales De Biologie Clinique</i> , 2018, 76, 705-715.	0.1	0
43	Intact Protein Analysis by LC-MS for Characterizing Biomarkers in Cerebrospinal Fluid. <i>Methods in Molecular Biology</i> , 2019, 1959, 163-172.	0.9	0