

# LÃ©on Reubsaet

## List of Publications by Year in descending order

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81  
papers

2,179  
citations

186265

28  
h-index

254184

43  
g-index

86  
all docs

86  
docs citations

86  
times ranked

2388  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Porcine Model of Ischemia-Reperfusion Injury After Cross-Clamping the Thoracic Aorta Revealed Substantial Cardiopulmonary, Thromboinflammatory and Biochemical Changes Without Effect of C1-Inhibitor Treatment. <i>Frontiers in Immunology</i> , 2022, 13, 852119.	4.8	4
2	On the spot immunocapture in targeted biomarker analysis using paper-bound streptavidin as anchor for biotinylated antibodies. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 5979-5989.	3.7	2
3	Next generation VAMSâ€™s Trypsin immobilization for instant proteolysis in bottom-up protein determination. <i>Advances in Sample Preparation</i> , 2022, 3, 100027.	3.0	4
4	Next-Generation Dried Blood Spot Samplers for Protein Analysis: Describing Trypsin-Modified Smart Sampling Paper. <i>Separations</i> , 2021, 8, 66.	2.4	6
5	On-line duplex molecularly imprinted solid-phase extraction for analysis of low-abundant biomarkers in human serum by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2021, 1655, 462490.	3.7	10
6	Affinity capture in bottom-up protein analysis â€™ Overview of current status of proteolytic peptide capture using antibodies and molecularly imprinted polymers. <i>Analytica Chimica Acta</i> , 2021, 1182, 338714.	5.4	11
7	Nano volume fractionation strategy for dilute-and-shoot injections in off-line loss-less proteomic workflows for extensive protein identifications of ultra-low sample amounts. <i>Journal of Chromatography A</i> , 2020, 1609, 460507.	3.7	4
8	Pre-lab proteolysis for dried serum spots â€™ a paper-based sampling concept targeting low abundant biomarkers. <i>Analytical Methods</i> , 2020, 12, 97-103.	2.7	9
9	Facilitating serum determination of neuron specific enolase at clinically relevant levels by coupling on-line molecularly imprinted solid-phase extraction to LC-MS/MS. <i>Analytica Chimica Acta</i> , 2020, 1140, 210-218.	5.4	14
10	Liquid chromatography mass spectrometry based characterization of epitope configurations. <i>Analytical Methods</i> , 2020, 12, 5476-5484.	2.7	0
11	Magnetic Synthetic Receptors for Selective Clean-Up in Protein Biomarker Quantification. <i>Journal of Proteome Research</i> , 2020, 19, 3573-3582.	3.7	11
12	Human chorionic gonadotropin determination using mass spectrometry. , 2020, , 123-138.		0
13	All-in-one paper-based sampling chip for targeted protein analysis. <i>Analytica Chimica Acta</i> , 2019, 1089, 56-65.	5.4	14
14	Immunocapture sample clean-up in determination of low abundant protein biomarkers â€™ a feasibility study of peptide capture by anti-protein antibodies. <i>RSC Advances</i> , 2019, 9, 34902-34911.	3.6	11
15	Data-Independent Acquisition for the Orbitrap Q Exactive HF: A Tutorial. <i>Journal of Proteome Research</i> , 2019, 18, 803-813.	3.7	35
16	Paper-based immunocapture for targeted protein analysis. <i>Talanta</i> , 2019, 195, 764-770.	5.5	12
17	Selective Fishing for Peptides with Antibody-Immobilized Acrylate Monoliths, Coupled Online with NanoLC-MS. <i>Analytical Chemistry</i> , 2018, 90, 13860-13866.	6.5	25
18	Smart blood spots for whole blood protein analysis. <i>Analyst</i> , The, 2018, 143, 3184-3190.	3.5	14

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19	To elute or not to elute in immunocapture bottom-up LC-MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1055-1056, 51-60.	2.3	11
20	Automated Protein Biomarker Analysis: on-line extraction of clinical samples by Molecularly Imprinted Polymers. <i>Scientific Reports</i> , 2017, 7, 44298.	3.3	36
21	Instant on-paper protein digestion during blood spot sampling. <i>Analyst, The</i> , 2017, 142, 3837-3847.	3.5	16
22	Antibody based affinity capture LC-MS/MS in quantitative determination of proteins in biological matrices. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 95, 132-139.	11.4	15
23	Exploring the peptide retention mechanism in molecularly imprinted polymers. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5631-5643.	3.7	13
24	Filter Plate-Based Screening of MIP SPE Materials for Capture of the Biomarker Pro-Gastrin-Releasing Peptide. <i>SLAS Discovery</i> , 2017, 22, 1253-1261.	2.7	10
25	Cyclic diguanylate regulation of <i>Bacillus cereus</i> group biofilm formation. <i>Molecular Microbiology</i> , 2016, 101, 471-494.	2.5	39
26	The impact of high-dose acetylcholine on bovine corneal epithelium. <i>Acta Ophthalmologica</i> , 2016, 94, 160-164.	1.1	3
27	Evaluation of affinity-based serum clean-up in mass spectrometric analysis: Plastic vs monoclonal antibodies. <i>Journal of Chromatography A</i> , 2016, 1471, 19-26.	3.7	14
28	Dual-immuno-MS technique for improved differentiation power in heterodimeric protein biomarker analysis: determination and differentiation of human chorionic gonadotropin variants in serum. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7379-7391.	3.7	6
29	Isolation and mass spectrometry analysis of urinary extraexosomal proteins. <i>Scientific Reports</i> , 2016, 6, 36331.	3.3	42
30	The pros and cons of increased trypsin-to-protein ratio in targeted protein analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 123, 155-161.	2.8	7
31	Physicochemical Properties of Drug Substances. , 2015, , 9-22.		0
32	High-Performance Liquid Chromatography (HPLC) and High-Performance Liquid Chromatography-Mass Spectrometry (LC-MS). , 2015, , 123-172.		2
33	Vaccination with outer membrane vesicles from <i>Francisella noatunensis</i> reduces development of francisellosis in a zebrafish model. <i>Fish and Shellfish Immunology</i> , 2015, 42, 50-57.	3.6	43
34	Antibody-Free Biomarker Determination: Exploring Molecularly Imprinted Polymers for Pro-Gastrin Releasing Peptide. <i>Analytical Chemistry</i> , 2014, 86, 12291-12298.	6.5	53
35	A pilot study showing differences in glycosylation patterns of IgG subclasses induced by pneumococcal, meningococcal, and two types of influenza vaccines. <i>Immunity, Inflammation and Disease</i> , 2014, 2, 76-91.	2.7	31
36	Bradykinin analysis revived - A validated method for determination of its stable metabolite in whole blood by LC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 947-948, 139-144.	2.3	14

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37	Epitope analysis and detection of human chorionic gonadotropin (hCG) variants by monoclonal antibodies and mass spectrometry. <i>Tumor Biology</i> , 2014, 35, 1013-1022.	1.8	26
38	Determining ProGRP and isoforms in lung and thyroid cancer patient samples: comparing an MS method with a routine clinical immunoassay. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 2733-2738.	3.7	11
39	Peptide imprinted receptors for the determination of the small cell lung cancer associated biomarker progastrin releasing peptide. <i>Journal of Chromatography A</i> , 2014, 1370, 56-62.	3.7	28
40	Why less is more when generating tryptic peptides in bottom-up proteomics. <i>Proteomics</i> , 2014, 14, 2031-2041.	2.2	33
41	Multiplexing Determination of Small Cell Lung Cancer Biomarkers and Their Isovariants in Serum by Immunocapture LC-MS/MS. <i>Analytical Chemistry</i> , 2014, 86, 6983-6992.	6.5	36
42	Sports drug testing using immuno-MS: clinical study comprising administration of human chorionic gonadotropin to males. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 1569-1576.	3.7	48
43	Immunocapture and LC-MS/MS for selective quantification and differentiation of the isozymes of the biomarker neuron-specific enolase in serum. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 929, 125-132.	2.3	29
44	Comparison of newly developed immuno-MS method with existing DELFIA <sup>®</sup> immunoassay for human chorionic gonadotropin determination in doping analysis. <i>Bioanalysis</i> , 2013, 5, 623-630.	1.5	16
45	Digging Deeper into the Field of the Small Cell Lung Cancer Tumor Marker ProGRP: A Method for Differentiation of Its Isoforms. <i>Journal of Proteome Research</i> , 2013, 12, 412-420.	3.7	35
46	Integrated enzyme reactor and high resolving chromatography in 2D-dimensions for sensitive protein mass spectrometry. <i>Scientific Reports</i> , 2013, 3, 3511.	3.3	30
47	Fast, selective, and sensitive analysis of low-abundance peptides in human plasma by electromembrane extraction. <i>Analytica Chimica Acta</i> , 2012, 716, 16-23.	5.4	52
48	Urinary proteomic shotgun approach for identification of potential acute rejection biomarkers in renal transplant recipients. <i>Transplantation Research</i> , 2012, 1, 9.	1.5	23
49	Immuno-MS Based Targeted Proteomics: Highly Specific, Sensitive, and Reproducible Human Chorionic Gonadotropin Determination for Clinical Diagnostics and Doping Analysis. <i>Analytical Chemistry</i> , 2012, 84, 7926-7932.	6.5	54
50	Critical assessment of accelerating trypsination methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 1069-1078.	2.8	57
51	Elucidation of Phosphatidylcholine Composition in Krill Oil Extracted from <i>Euphausia superba</i> . <i>Lipids</i> , 2011, 46, 25-36.	1.7	106
52	Fundamental studies on the electrokinetic transfer of net cationic peptides across supported liquid membranes. <i>Journal of Separation Science</i> , 2011, 34, 186-195.	2.5	43
53	RAPID BIOMARKER DISCOVERY IN TRANSPLANTATION BY URINARY PROTEOMICS UTILIZING ACCELERATED 18O-LABELING. <i>Transplantation</i> , 2010, 90, 531.	1.0	0
54	2D hydrophilic interaction liquid chromatography-ERP separation in urinary proteomics - Minimizing variability through improved downstream workflow compatibility. <i>Journal of Separation Science</i> , 2010, 33, 864-872.	2.5	12

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55	Potentialá€driven peptide extractions across supported liquid membranes: Investigation of principal operational parameters. <i>Journal of Separation Science</i> , 2010, 33, 1665-1672.	2.5	55
56	Accelerated 18O-labeling in urinary proteomics. <i>Journal of Chromatography A</i> , 2010, 1217, 8241-8248.	3.7	6
57	Identification of a Novel CYP2C19-Mediated Metabolic Pathway of<i>S</i>-Citalopram in Vitro. <i>Drug Metabolism and Disposition</i> , 2009, 37, 2340-2348.	3.3	12
58	Immunoá€capture as ultimate sample cleanup in LCá€MS/MS determination of the early stage biomarker ProGRP. <i>Journal of Separation Science</i> , 2009, 32, 2937-2943.	2.5	31
59	Significantly Altered Systemic Exposure to Atorvastatin Acid Following Gastric Bypass Surgery in Morbidly Obese Patients. <i>Clinical Pharmacology and Therapeutics</i> , 2009, 86, 311-318.	4.7	73
60	Absolute ProGRP quantification in a clinical relevant concentration range using LCá€MS/MS and a comprehensive internal standardâ†. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 1359-1365.	2.3	20
61	Rapid isolation of angiotensin peptides from plasma by electromembrane extraction. <i>Journal of Chromatography A</i> , 2009, 1216, 6900-6905.	3.7	99
62	Exploring the Complementary Selectivity of Immunocapture and MS Detection for the Differentiation between hCG Isoforms in Clinically Relevant Samples. <i>Journal of Proteome Research</i> , 2009, 8, 5241-5252.	3.7	31
63	Oná€Line multitasking analytical proteomics: How to separate, reduce, alkylate and digest whole proteins in an oná€Line multidimensional chromatography system coupled to MS. <i>Journal of Separation Science</i> , 2008, 31, 2913-2923.	2.5	16
64	Electromembrane extraction of peptides. <i>Journal of Chromatography A</i> , 2008, 1194, 143-149.	3.7	174
65	Improving off-line accelerated tryptic digestion. <i>Journal of Chromatography A</i> , 2008, 1195, 34-43.	3.7	5
66	Reduced Elimination of Cyclosporine A in Elderly (>65 Years) Kidney Transplant Recipients. <i>Transplantation</i> , 2008, 86, 1379-1383.	1.0	49
67	Declining Intracellular T-Lymphocyte Concentration of Cyclosporine A Precedes Acute Rejection in Kidney Transplant Recipients. <i>Transplantation</i> , 2008, 85, 179-184.	1.0	60
68	Determination of the small cell lung cancer associated biomarker pro-gastrin-releasing peptide (ProGRP) using LC-MS. <i>Journal of Separation Science</i> , 2007, 30, 234-240.	2.5	22
69	Targeted determination of the early stage SCLC specific biomarker proá€gastriná€releasing peptide (ProGRP) at clinical concentration levels in human serum using LCá€MS. <i>Journal of Separation Science</i> , 2007, 30, 2638-2646.	2.5	16
70	Determination of ganciclovir in different matrices from solid organ transplanted patients treated with a wide range of concomitant drugs. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 43, 1039-1044.	2.8	17
71	Suction blister fluid as potential body fluid for biomarker proteins. <i>Proteomics</i> , 2007, 7, 3638-3650.	2.2	86
72	Application of supplementary flow in comprehensive 2D liquid chromatography combining SEC and RPC. <i>Journal of Separation Science</i> , 2005, 28, 477-482.	2.5	17

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73	Ion-pair mediated transport of small model peptides in liquid phase micro extraction under acidic conditions. Journal of Separation Science, 2005, 28, 295-300.	2.5	17
74	Ion-pair mediated transport of angiotensin, neurotensin, and their metabolites in liquid phase microextraction under acidic conditions. Journal of Separation Science, 2005, 28, 1204-1210.	2.5	24
75	Screening for central nervous system-stimulating drugs in human plasma by liquid chromatography with mass spectrometric detection. Journal of Chromatography A, 2004, 1031, 203-211.	3.7	14
76	Three-phase liquid-phase microextraction of weakly basic drugs from whole blood. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 798, 127-135.	2.3	41
77	High-performance liquid chromatography-mass spectrometry analysis of diltiazem and 11 of its phase I metabolites in human plasma. Journal of Pharmaceutical and Biomedical Analysis, 2003, 33, 275-285.	2.8	24
78	Sample Preparation and Determination of Acetylcholine in Corneal Epithelium Cells Using Liquid Chromatography-Tandem Mass Spectrometry. Journal of Chromatographic Science, 2003, 41, 151-156.	1.4	16
79	Pharmacokinetics of diltiazem and its metabolites in relation to CYP2D6 genotype*. Clinical Pharmacology and Therapeutics, 2002, 72, 333-342.	4.7	46
80	A Critical Review of Trypsin Digestion for LC-MS Based Proteomics. , 0, , .		21
81	Smart proteolysis samplers for pre-lab bottom-up protein analysis - Performance of on-paper digestion compared to conventional digestion. Separation Science Plus, 0, , .	0.6	7