Rob Haselberg

List of Publications by Year
in descending order

54 papers	2,112 citations	293460 24 h-index	263392 45 g-index
55 all docs	55 docs citations	55 times ranked	2774 citing authors

#	Article	IF	Citations
1	Hydrophilic interaction chromatography â€“ mass spectrometry for metabolomics and proteomics: state-of-the-art and current trends. Microchemical Journal, 2022, 175, 106986.	2.3	16
2	Studying protein structure and function by native separationâ€“mass spectrometry. Nature Reviews Chemistry, 2022, 6, 215-231.	13.8	27
3	Asymmetrical flow field-flow fractionation to probe the dynamic association equilibria of Î²-D-galactosidase. Journal of Chromatography A, 2021, 1635, 461719.	1.8	6
4	Hydrophilic interaction liquid chromatography-mass spectrometry for the characterization of glycoproteins at the glycan, peptide, subunit, and intact level. , 2021, , 209-278.		2
5	Probing Polyester Branching by Hybrid Trapped Ion-Mobility Spectrometryâ€“Tandem Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2021, 32, 1498-1507.	1.2	2
6	Microfluidic ion stripper for removal of trifluoroacetic acid from mobile phases used in HILIC-MS of intact proteins. Analytical and Bioanalytical Chemistry, 2021, 413, 4379-4386.	1.9	9
7	Limited Lactosylation of Beta-Lactoglobulin from Cowâ€™s Milk Exerts Strong Influence on Antigenicity and Degranulation of Mast Cells. Nutrients, 2021, 13, 2041.	1.7	8
8	Perceptions about Research Participation among Individuals at Risk and Individuals with Premanifest Huntingtonâ€™s Disease: A Survey Conducted by the European Huntington Association. Journal of Personalized Medicine, 2021, 11, 815.	1.1	4
9	CE-MS for Proteomics and Intact Protein Analysis. Advances in Experimental Medicine and Biology, 2021, 1336, 51-86.	0.8	9
10	NIST Interlaboratory Study on Glycosylation Analysis of Monoclonal Antibodies: Comparison of Results from Diverse Analytical Methods. Molecular and Cellular Proteomics, 2020, 19, 11-30.	2.5	87
11	Probing Protein Denaturation during Size-Exclusion Chromatography Using Native Mass Spectrometry. Analytical Chemistry, 2020, 92, 4292-4300.	3.2	40
12	Profiling of a high mannose-type N-glycosylated lipase using hydrophilic interaction chromatography-mass spectrometry. Analytica Chimica Acta, 2020, 1109, 69-77.	2.6	16
13	Rapid forensic chemical classification of confiscated flash banger fireworks using capillary electrophoresis. Forensic Chemistry, 2019, 16, 100187.	1.7	2
14	Computer-aided gradient optimization of hydrophilic interaction liquid chromatographic separations of intact proteins and protein glycoforms. Journal of Chromatography A, 2019, 1598, 67-76.	1.8	16
15	Experimental design and measurement uncertainty in ligand binding studies by affinity capillary electrophoresis. Electrophoresis, 2019, 40, 1041-1054.	1.3	15
16	Development of a capillary zone electrophoresis method to quantify E. coli l-asparaginase and its acidic variants. Talanta, 2018, 182, 83-91.	2.9	9
17	High-resolution glycoform profiling of intact therapeutic proteins by hydrophilic interaction chromatography-mass spectrometry. Talanta, 2018, 184, 375-381.	2.9	55
18	Capillary Electrophoresis: Trends and Recent Advances. Analytical Chemistry, 2018, 90, 1464-1481.	3.2	227

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19	Development of a surface plasmon resonance sensor for coupling to capillary electrophoresis allowing affinity assessment of protein mixture components. Sensors and Actuators B: Chemical, 2018, 254, 1040-1047.	4.0	14
20	Affinity profiling of monoclonal antibody and antibody-drug-conjugate preparations by coupled liquid chromatography-surface plasmon resonance biosensing. Analytical and Bioanalytical Chemistry, 2018, 410, 7837-7848.	1.9	23
21	Heterogeneity assessment of antibody-derived therapeutics at the intact and middle-up level by low-flow sheathless capillary electrophoresis-mass spectrometry. Analytica Chimica Acta, 2018, 1044, 181-190.	2.6	54
22	Fully compatible and ultra-sensitive micellar electrokinetic chromatography-tandem mass spectrometry using sheathless porous-tip interfacing. Journal of Chromatography A, 2017, 1524, 283-289.	1.8	8
23	A Novel Platinum(II)â€“Based Bifunctional ADC Linker Benchmarked Using 89Zr-Desferal and Auristatin Fâ€“Conjugated Trastuzumab. Cancer Research, 2017, 77, 257-267.	0.4	29
24	Capillary Zone Electrophoresisâ€“Mass Spectrometry of Intact Proteins. Methods in Molecular Biology, 2016, 1466, 25-41.	0.4	13
25	Evaluation of capillary electrophoresis-mass spectrometry for the analysis of the conformational heterogeneity of intact proteins using beta2-microglobulin as model compound. Analytica Chimica Acta, 2016, 945, 102-109.	2.6	20
26	On-line coupling of surface plasmon resonance optical sensing to size-exclusion chromatography for affinity assessment of antibody samples. Journal of Chromatography A, 2016, 1452, 81-88.	1.8	6
27	Quality and Batch-to-Batch Consistency of Original and Biosimilar Epoetin Products. Journal of Pharmaceutical Sciences, 2016, 105, 542-550.	1.6	18
28	Direct electrokinetic injection of inorganic cations from whole fruits and vegetables for capillary electrophoresis analysis. Journal of Chromatography A, 2016, 1428, 346-351.	1.8	5
29	Platinum(II) as Bifunctional Linker in Antibodyâ€“Drug Conjugate Formation: Coupling of a 4â€Nitrobenzoâ€2â€oxaâ€1,3â€diazole Fluorophore to Trastuzumab as a Model. ChemMedChem, 2015, 10, 797-803.	3.6	20
30	Interlaboratory study to evaluate the robustness of capillary electrophoresisâ€mass spectrometry for peptide mapping. Journal of Separation Science, 2015, 38, 3262-3270.	1.3	36
31	Simultaneous Assessment of Protein Heterogeneity and Affinity by Capillary Electrophoresisâ€“Mass Spectrometry. Analytical Chemistry, 2015, 87, 8781-8788.	3.2	18
32	Mass spectrometry for glycosylation analysis of biopharmaceuticals. TrAC - Trends in Analytical Chemistry, 2015, 73, 1-9.	5.8	67
33	Developments in Interfacing Designs for CEâ€“MS: Towards Enabling Tools for Proteomics and Metabolomics. Chromatographia, 2015, 78, 367-377.	0.7	67
34	Analytical characterization of NOTA-modified somatropins. Journal of Pharmaceutical and Biomedical Analysis, 2014, 96, 1-9.	1.4	11
35	Capillary electrophoresis-based assessment of nanobody affinity and purity. Analytica Chimica Acta, 2014, 818, 1-6.	2.6	17
36	Targeting hepatocyte growth factor receptor (Met) positive tumor cells using internalizing nanobody-decorated albumin nanoparticles. Biomaterials, 2014, 35, 601-610.	5.7	72

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37	Simple Capillary Electrophoresisâ€“Mass Spectrometry Method for Complex Glycan Analysis Using a Flow-Through Microvial Interface. Analytical Chemistry, 2014, 86, 6479-6486.	3.2	50
38	<scp>CE</scp>â€<scp>MS</scp> for the analysis of intact proteins 2010â€“2012. Electrophoresis, 2013, 34, 99-112.	1.3	87
39	Thickness and morphology of polyelectrolyte coatings on silica surfaces before and after protein exposure studied by atomic force microscopy. Analytica Chimica Acta, 2013, 779, 90-95.	2.6	22
40	Low-Flow Sheathless Capillary Electrophoresisâ€“Mass Spectrometry for Sensitive Glycoform Profiling of Intact Pharmaceutical Proteins. Analytical Chemistry, 2013, 85, 2289-2296.	3.2	126
41	121 Tumor-targeted Nanobullets for Anti-cancer Combination Therapy. European Journal of Cancer, 2012, 48, 38.	1.3	0
42	Tumor-targeted Nanobullets: Anti-EGFR nanobody-liposomes loaded with anti-IGF-1R kinase inhibitor for cancer treatment. Journal of Controlled Release, 2012, 159, 281-289.	4.8	83
43	Quality of Original and Biosimilar Epoetin Products. Pharmaceutical Research, 2011, 28, 386-393.	1.7	91
44	Capillary electrophoresis-mass spectrometry using noncovalently coated capillaries for the analysis of biopharmaceuticals. Analytical and Bioanalytical Chemistry, 2011, 400, 295-303.	1.9	77
45	Capillary electrophoresisâ€“mass spectrometry for the analysis of intact proteins 2007â€“2010. Electrophoresis, 2011, 32, 66-82.	1.3	97
46	Characterization of drug-lysozyme conjugates by sheathless capillary electrophoresisâ€“time-of-flight mass spectrometry. Analytica Chimica Acta, 2011, 698, 77-83.	2.6	34
47	Evanescent-Wave Cavity Enhanced Spectroscopy as a Tool in Label-Free Biosensing. , 2010, , .		1
48	Capillary electrophoresisâ€“mass spectrometry of intact basic proteins using Polybreneâ€“dextran sulfateâ€“Polybrene-coated capillaries: System optimization and performance. Analytica Chimica Acta, 2010, 678, 128-134.	2.6	56
49	Performance of a sheathless porous tip sprayer for capillary electrophoresisâ€“electrospray ionization-mass spectrometry of intact proteins. Journal of Chromatography A, 2010, 1217, 7605-7611.	1.8	91
50	Capillary electrophoresis of intact basic proteins using noncovalently tripleâ€layer coated capillaries. Journal of Separation Science, 2009, 32, 2408-2415.	1.3	47
51	Effectiveness of Charged Noncovalent Polymer Coatings against Protein Adsorption to Silica Surfaces Studied by Evanescent-Wave Cavity Ring-Down Spectroscopy and Capillary Electrophoresis. Analytical Chemistry, 2009, 81, 10172-10178.	3.2	36
52	Capillary electrophoresisâ€“mass spectrometry for the analysis of intact proteins. Journal of Chromatography A, 2007, 1159, 81-109.	1.8	161
53	Analysis of microperoxidases using liquid chromatography, post-column substrate conversion and fluorescence detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 830, 47-53.	1.2	4
54	CE-MS for the analysis of intact proteins. , 0, , 159-192.		1