Anton Kaufmann

List of Publications by Year
in descending order

67	2,539	186265	197818
papers	citations	28 h-index	49 g-index

68	68	68	2058
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantitative multiresidue method for about 100 veterinary drugs in different meat matrices by sub 2-Î¼m particulate high-performance liquid chromatography coupled to time of flight mass spectrometry. Journal of Chromatography A, 2008, 1194, 66-79.	3.7	184
2	Comprehensive comparison of liquid chromatography selectivity as provided by two types of liquid chromatography detectors (high resolution mass spectrometry and tandem mass spectrometry): â€œWhere is the crossover point?â€. Analytica Chimica Acta, 2010, 673, 60-72.	5.4	178
3	The current role of high-resolution mass spectrometry in food analysis. Analytical and Bioanalytical Chemistry, 2012, 403, 1233-1249.	3.7	174
4	Ultra-performance liquid chromatography coupled to time of flight mass spectrometry (UPLCâ€“TOF): A novel tool for multiresidue screening of veterinary drugs in urine. Analytica Chimica Acta, 2007, 586, 13-21.	5.4	133
5	Development of an improved high resolution mass spectrometry based multi-residue method for veterinary drugs in various food matrices. Analytica Chimica Acta, 2011, 700, 86-94.	5.4	133
6	Determination of aminoglycoside residues by liquid chromatography and tandem mass spectrometry in a variety of matrices. Analytica Chimica Acta, 2012, 711, 46-53.	5.4	100
7	Quantitative and confirmative performance of liquid chromatography coupled to highâ€resolution mass spectrometry compared to tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 979-992.	1.5	93
8	Determination of nitrofuran and chloramphenicol residues by high resolution mass spectrometry versus tandem quadrupole mass spectrometry. Analytica Chimica Acta, 2015, 862, 41-52.	5.4	89
9	Quantitative LC/MS-MS Determination of Sulfonamides and Some Other Antibiotics in Honey. Journal of AOAC INTERNATIONAL, 2002, 85, 853-860.	1.5	79
10	Are liquid chromatography/electrospray tandem quadrupole fragmentation ratios unequivocal confirmation criteria?. Rapid Communications in Mass Spectrometry, 2009, 23, 985-998.	1.5	73
11	Falseâ€positive liquid chromatography/tandem mass spectrometric confirmation of sebuthylazine residues using the identification points system according to EU directive 2002/657/EC due to a biogenic insecticide in tarragon. Rapid Communications in Mass Spectrometry, 2009, 23, 1196-1200.	1.5	64
12	Quantification of anthelmintic drug residues in milk and muscle tissues by liquid chromatography coupled to Orbitrap and liquid chromatography coupled to tandem mass spectrometry. Talanta, 2011, 85, 991-1000.	5.5	64
13	Determination of 11 Aminoglycosides in Meat and Liver by Liquid Chromatography with Tandem Mass Spectrometry. Journal of AOAC INTERNATIONAL, 2005, 88, 1118-1125.	1.5	59
14	Strategies to avoid false negative findings in residue analysis using liquid chromatography coupled to time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2006, 20, 3566-3572.	1.5	54
15	Postâ€interface signal suppression, a phenomenon observed in a singleâ€stage Orbitrap mass spectrometer coupled to an electrospray interfaced liquid chromatograph. Rapid Communications in Mass Spectrometry, 2010, 24, 2162-2170.	1.5	52
16	Multi-residue quantification of veterinary drugs in milk with a novel extraction and cleanup technique: Salting out supported liquid extraction (SOSLE). Analytica Chimica Acta, 2014, 820, 56-68.	5.4	52
17	Semi-targeted residue screening in complex matrices with liquid chromatography coupled to high resolution mass spectrometry: current possibilities and limitations. Analyst, The, 2011, 136, 1898.	3.5	50
18	Quantitative analysis of polypeptide antibiotic residues in a variety of food matrices by liquid chromatography coupled to tandem mass spectrometry. Analytica Chimica Acta, 2013, 797, 81-88.	5.4	47

#	Article	IF	Citations
19	Reliability of veterinary drug residue confirmation: High resolution mass spectrometry versus tandem mass spectrometry. Analytica Chimica Acta, 2015, 856, 54-67.	5.4	47
20	Accuracy of relative isotopic abundance and mass measurements in a singleâ€stage orbitrap mass spectrometer. Rapid Communications in Mass Spectrometry, 2012, 26, 1081-1090.	1.5	40
21	Study of High-Resolution Mass Spectrometry Technology as a Replacement for Tandem Mass Spectrometry in the Field of Quantitative Pesticide Residue Analysis. Journal of AOAC INTERNATIONAL, 2012, 95, 528-548.	1.5	39
22	Lead in wine. Food Additives and Contaminants, 1998, 15, 437-445.	2.0	38
23	Highâ€resolution mass spectrometry for bioanalytical applications: Is this the new gold standard?. Journal of Mass Spectrometry, 2020, 55, e4533.	1.6	36
24	Comparison of linear intrascan and interscan dynamic ranges of Orbitrap and ionâ€mobility timeâ€ofâ€flight mass spectrometers. Rapid Communications in Mass Spectrometry, 2017, 31, 1915-1926.	1.5	34
25	Quantitative liquid chromatography/tandem mass spectrometry determination of chloramphenicol residues in food using sub-2 Âµm particulate high-performance liquid chromatography columns for sensitivity and speed. Rapid Communications in Mass Spectrometry, 2005, 19, 3694-3700.	1.5	33
26	Strategy for the elucidation of elemental compositions of trace analytes based on a mass resolution of 100 000 full width at half maximum. Rapid Communications in Mass Spectrometry, 2010, 24, 2035-2045.	1.5	32
27	Analytical performance of the various acquisition modes in Orbitrap MS and MS/MS. Journal of Mass Spectrometry, 2018, 53, 725-738.	1.6	31
28	Determination of microbial transglutaminase in meat and meat products. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2012, 29, 1364-1373.	2.3	30
29	Trace level quantification of streptomycin in honey with liquid chromatography/tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2003, 17, 2575-2577.	1.5	28
30	Post-run target screening strategy for ultra high performance liquid chromatography coupled to Orbitrap based veterinary drug residue analysis in animal urine. Journal of Chromatography A, 2013, 1292, 104-110.	3.7	27
31	Easy and Fast Method for the Determination of Biogenic Amines in Fish and Fish Products with Liquid Chromatography Coupled to Orbitrap Tandem Mass Spectrometry. Journal of AOAC INTERNATIONAL, 2018, 101, 336-341.	1.5	25
32	Analysis of polyphosphates in fish and shrimps tissues by two different ion chromatography methods: Implications on false-negative and -positive findings. Food Additives and Contaminants, 2005, 22, 1073-1082.	2.0	24
33	Multivariate Statistics as a Classification Tool in the Food Laboratory. Journal of AOAC INTERNATIONAL, 1997, 80, 665-675.	1.5	23
34	Determination of the elemental composition of trace analytes in complex matrices using exact masses of product ions and corresponding neutral losses. Rapid Communications in Mass Spectrometry, 2007, 21, 2003-2013.	1.5	23
35	Does the ion mobility resolving power as provided by commercially available ion mobility quadrupole time-of-flight mass spectrometry instruments permit the unambiguous identification of small molecules in complex matrices?. Analytica Chimica Acta, 2020, 1107, 113-126.	5.4	21
36	Extension of the Q Orbitrap intrascan dynamic range by using a dedicated customized scan. Rapid Communications in Mass Spectrometry, 2016, 30, 1087-1095.	1.5	19

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37	Using In Silico Fragmentation to Improve Routine Residue Screening in Complex Matrices. Journal of the American Society for Mass Spectrometry, 2017, 28, 2705-2715.	2.8	19
38	Practical application of in silico fragmentation based residue screening with ion mobility highâ€resolution mass spectrometry. Rapid Communications in Mass Spectrometry, 2017, 31, 1147-1157.	1.5	18
39	Multiresidue analysis of tranquilizers and the beta-blocker Carazolol in meat by liquid chromatography/tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2001, 15, 1747-1751.	1.5	17
40	Segmented post-column analyte addition; a concept for continuous response control of liquid chromatography/mass spectrometry peaks affected by signal suppression/enhancement. Rapid Communications in Mass Spectrometry, 2005, 19, 611-617.	1.5	17
41	High-resolution mass spectrometryâ€"based multi-residue method covering relevant steroids, stilbenes and resorcylic acid lactones in a variety of animal-based matrices. Analytica Chimica Acta, 2019, 1054, 59-73.	5.4	17
42	Fully Automated Determination of Pesticides in Wine. Journal of AOAC INTERNATIONAL, 1997, 80, 1302-1307.	1.5	16
43	Coalescence and selfâ€bunching observed in commercial highâ€resolution mass spectrometry instrumentation. Rapid Communications in Mass Spectrometry, 2018, 32, 503-515.	1.5	16
44	Evaluation of the interrelationship between mass resolving power and mass error tolerances for targeted bioanalysis using liquid chromatography coupled to highâ€resolution mass spectrometry. Rapid Communications in Mass Spectrometry, 2013, 27, 347-356.	1.5	14
45	Analysis of a variety of inorganic and organic additives in food products by ion-pairing liquid chromatography coupled to high-resolution mass spectrometry. Analytical and Bioanalytical Chemistry, 2018, 410, 5629-5640.	3.7	13
46	HPLC with evaporative light scattering detection for the determination of polar compounds in used frying oils. European Food Research and Technology, 2001, 213, 372-376.	3.3	12
47	The use of UHPLC, IMS, and HRMS in multiresidue analytical methods: A critical review. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1158, 122369.	2.3	11
48	Simplifying Nontargeted Analysis of PFAS in Complex Food Matrixes. Journal of AOAC INTERNATIONAL, 2022, 105, 1280-1287.	1.5	11
49	Determination of Corticosteroids, Anabolic Steroids, and Basic Nonsteroidal Anti-Inflammatory Drugs in Milk and Animal Tissues. Journal of AOAC INTERNATIONAL, 2014, 97, 263-272.	1.5	10
50	Improving the QuEChERS Liquid/Liquid Extraction of Analytes With Widely Varying Physicochemical Properties: Example of 201 Veterinary Drugs in Milk. Journal of AOAC INTERNATIONAL, 2022, 105, 1030-1042.	1.5	10
51	Maximum transfer condition for spitless injection. Journal of High Resolution Chromatography, 1997, 20, 193-200.	1.4	9
52	Prevention of Vapor Overflow in Splitless Injection by a Novel Injector Design. Journal of High Resolution Chromatography, 1998, 21, 258-262.	1.4	9
53	Determination of 11 aminoglycosides in meat and liver by liquid chromatography with tandem mass spectrometry. Journal of AOAC INTERNATIONAL, 2005, 88, 1118-25.	1.5	9
54	Comparison of different methods to determine polar compounds in frying oils. European Food Research and Technology, 2001, 213, 377-380.	3.3	8

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55	High Mass Resolution Versus MS/MS. Comprehensive Analytical Chemistry, 2012, 58, 169-215.	1.3	8
56	Signal suppression can bias selected reaction monitoring ratios. Implications for the confirmation of positive findings in residue testing. Rapid Communications in Mass Spectrometry, 2014, 28, 899-907.	1.5	8
57	Nested data independent MS/MS acquisition. Analytical and Bioanalytical Chemistry, 2016, 408, 5031-5040.	3.7	8
58	High resolution mass spectrometry-based detection and quantification of Î²-agonists at relevant trace levels in a variety of animal-based food matrices. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2021, 38, 1350-1363.	2.3	8
59	Quantitative LC/MS-MS determination of sulfonamides and some other antibiotics in honey. Journal of AOAC INTERNATIONAL, 2002, 85, 853-60.	1.5	8
60	Determination of polar analytes in aqueous matrices by purge and trap. Journal of High Resolution Chromatography, 1997, 20, 10-16.	1.4	7
61	Capabilities and Limitations of High-Resolution Mass Spectrometry (HRMS): Time-of-flight and Orbitrapâ„¢. , 0, , 93-139.		7
62	Improved performance of multiplexed targeted tandem mass spectrometry scans using customized Q Orbitrap data acquisition. Rapid Communications in Mass Spectrometry, 2016, 30, 1131-1138.	1.5	6
63	Product ion isotopologue pattern: A tool to improve the reliability of elemental composition elucidations of unknown compounds in complex matrices. Rapid Communications in Mass Spectrometry, 2016, 30, 791-799.	1.5	5
64	High throughputâ€screening of animal urine samples: It is fast but is it also reliable?. Drug Testing and Analysis, 2016, 8, 491-497.	2.6	4
65	Partially overlapping sequential window acquisition of all theoretical mass spectra: A methodology to improve the spectra quality of veterinary drugs present at low concentrations in highly complex biological matrices. Rapid Communications in Mass Spectrometry, 2020, 34, e8638.	1.5	2
66	Veterinary Drugs. , 2009, , 713-733.		0
67	Veterinary Drugs. , 2010, , 687-706.		0