Michael McCullagh

List of Publications by Year
in descending order

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17 papers	613 citations	759233 12 h-index	940533 16 g-index
17 all docs	17 docs citations	17 times ranked	973 citing authors

#	Article	IF	Citations
1	Distinction of theC-glycosylflavone isomer pairs orientin/isoorientin and vitexin/isovitexin using HPLC-MS exact mass measurement and in-source CID. Phytochemical Analysis, 2005, 16, 295-301.	2.4	89
2	Baseline resolution of isomers by traveling wave ion mobility mass spectrometry: investigating the effects of polarizable drift gases and ionic charge distribution. Journal of Mass Spectrometry, 2013, 48, 989-997.	1.6	77
3	Evaluation and validation of an accurate mass screening method for the analysis of pesticides in fruits and vegetables using liquid chromatographyâ€“quadrupole-time of flightâ€“mass spectrometry with automated detection. Journal of Chromatography A, 2014, 1373, 40-50.	3.7	70
4	Separation of isomeric disaccharides by traveling wave ion mobility mass spectrometry using CO₂ as drift gas. Journal of Mass Spectrometry, 2012, 47, 1643-1647.	1.6	61
5	Analysis of methylphenidate and its metabolite ritalinic acid in monkey plasma by liquid chromatography/electrospray ionization mass spectrometry. , 2000, 14, 619-623.		41
6	Study of C- and O-glycosylflavones in sugarcane extracts using liquid chromatography: exact mass measurement mass spectrometry. Journal of the Brazilian Chemical Society, 2008, 19, 483-490.	0.6	41
7	Investigations into the performance of travelling wave enabled conventional and cyclic ion mobility systems to characterise protomers of fluoroquinolone antibiotic residues. Rapid Communications in Mass Spectrometry, 2019, 33, 11-21.	1.5	40
8	A comparison of collision cross section values obtained via travelling wave ion mobility-mass spectrometry and ultra high performance liquid chromatography-ion mobility-mass spectrometry: Application to the characterisation of metabolites in rat urine. Journal of Chromatography A, 2019, 1602, 386-396.	3.7	34
9	Towards the use of ion mobility mass spectrometry derived collision cross section as a screening approach for unambiguous identification of targeted pesticides in food. Rapid Communications in Mass Spectrometry, 2019, 33, 34-48.	1.5	33
10	Travelling Wave Ion Mobility-Derived Collision Cross Section for Mycotoxins: Investigating Interlaboratory and Interplatform Reproducibility. Journal of Agricultural and Food Chemistry, 2020, 68, 10937-10943.	5.2	31
11	Exploring the Complexity of Steviol Glycosides Analysis Using Ion Mobility Mass Spectrometry. Analytical Chemistry, 2018, 90, 4585-4595.	6.5	27
12	Use of ion mobility mass spectrometry to enhance cumulative analytical specificity and separation to profile 6â€<i>C</i>/8â€<i>Câ€<</i>glycosylflavone critical isomer pairs and knownâ€“unknowns in medicinal plants. Phytochemical Analysis, 2019, 30, 424-436.	2.4	21
13	Identification of Ion Series Using Ion Mobility Mass Spectrometry: The Example of Alkyl-Benzothiophene and Alkyl-Dibenzothiophene Ions in Diesel Fuels. Analytical Chemistry, 2013, 85, 5530-5534.	6.5	20
14	Profiling of the known-unknown Passiflora variant complement by liquid chromatography - Ion mobility - Mass spectrometry. Talanta, 2021, 221, 121311.	5.5	12
15	Investigations into pesticide charge site isomers using conventional IM and cIM systems. Talanta, 2021, 234, 122604.	5.5	11
16	The metabolism of 4-bromoaniline in the bile-cannulated rat: application of ICPMS (^{79/81}Br), HPLC-ICPMS & HPLC-oaTOFMS. Xenobiotica, 2015, 45, 672-680.	1.1	3
17	An Analytical Perspective on Protein Analysis and Discovery Proteomics by Ion Mobility-Mass Spectrometry. Methods in Molecular Biology, 2020, 2084, 161-178.	0.9	2