

Application of a high resolution benchtop quadrupole-
rapid screening, confirmation and quantification of illegal
phosphodiesterase-5 inhibitors in herbal medicines and

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Targeted and untargeted data-dependent experiments for characterization of polycarbonate food-contact plastics by ultra high performance chromatography coupled to quadrupole orbitrap tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1372, 133-144.	3.7	33
2	Structure elucidation of phototransformation products of unapproved analogs of the erectile dysfunction drug sildenafil in artificial freshwater with UPLC-Q Exactive-MS. <i>Journal of Mass Spectrometry</i> , 2014, 49, 1279-1289.	1.6	10
3	Capillary electrophoretic methods for the screening and determination of pharmacologic adulterants in herbal-based pharmaceutical formulations. <i>Electrophoresis</i> , 2014, 35, 3212-3230.	2.4	14
4	Future perspectives in Orbitrap-high-resolution mass spectrometry in food analysis: a review. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2015, 32, 1568-1606.	2.3	73
5	Liquid chromatography-high resolution mass spectrometry (LC-HRMS) determination of stimulants, anorectic drugs and phosphodiesterase 5 inhibitors (PDE5I) in food supplements. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 106, 144-152.	2.8	42
6	Advanced Mass Spectrometry. <i>Comprehensive Analytical Chemistry</i> , 2015, 68, 77-129.	1.3	4
7	Characterization of anti-theft devices directly from the surface of banknotes via easy ambient sonic spray ionization mass spectrometry. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2015, 55, 285-290.	2.1	10
8	Application of Orbitrap-mass spectrometry to differentiate isomeric sildenafil- and thiosildenafil-like analogues used for the adulteration of dietary supplements. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2015, 32, 1737-1748.	2.3	17
9	Development of a systematic approach to rapid classification and identification of notoginsenosides and metabolites in rat feces based on liquid chromatography coupled triple time-of-flight mass spectrometry. <i>Analytica Chimica Acta</i> , 2015, 867, 56-66.	5.4	37
10	Liquid Chromatography-Mass Spectrometry: Quantification and Confirmation Aspects. , 2015, , 347-377.		2
11	Liquid chromatography Orbitrap mass spectrometry with simultaneous full scan and tandem MS/MS for highly selective pesticide residue analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 6317-6326.	3.7	53
12	Wide-Scope Screening of Illegal Adulterants in Dietary and Herbal Supplements via Rapid Polarity-Switching and Multistage Accurate Mass Confirmation Using an LC-IT/TOF Hybrid Instrument. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 6954-6967.	5.2	30
13	Development of a comprehensive spectral library of sildenafil and related active analogues using LC-QTOF-MS and its application for screening counterfeit pharmaceuticals. <i>Forensic Science International</i> , 2015, 257, 182-188.	2.2	14
14	Quantitative performance of online SPE-LC coupled to Q-Exactive for the analysis of sofosbuvir in human plasma. <i>RSC Advances</i> , 2015, 5, 98269-98277.	3.6	19
15	Adulteration and safety issues in nutraceuticals and dietary supplements: innocent or risky?. , 2016, , 153-182.		6
16	Identification of a new tadalafil analogue in commercial dietary supplements: isopropyl nortadalafil. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2017, 34, 1-8.	2.3	3
17	A rapid method for the simultaneous determination of 25 anti-hypertensive compounds in dietary supplements using ultra-high-pressure liquid chromatography. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2016, 33, 1627-1636.	2.3	7
18	Identification of Sildenafil Designer Analogues Found in Dietary Supplements. <i>Comprehensive Analytical Chemistry</i> , 2016, , 155-197.	1.3	4

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19	Rapid determination of sildenafil and its analogues in dietary supplements using gas chromatography-triple quadrupole mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 121, 188-196.	2.8	34
20	Mycotoxins in wheat flour and intake assessment in Shandong province of China. <i>Food Additives and Contaminants: Part B Surveillance</i> , 2016, 9, 170-175.	2.8	33
21	Rapid determination of 30 bioactive constituents in XueBijing injection using ultra high performance liquid chromatography-high resolution hybrid quadrupole-orbitrap mass spectrometry coupled with principal component analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 137, 220-228.	2.8	52
22	Qualitative and quantitative determination of YiXinShu Tablet using ultra high performance liquid chromatography with Q Exactive hybrid quadrupole orbitrap high-resolution accurate mass spectrometry. <i>Journal of Separation Science</i> , 2017, 40, 4453-4466.	2.5	16
23	Application of ultra-high-performance liquid chromatography coupled with LTQ-Orbitrap mass spectrometry for identification, confirmation and quantitation of illegal adulterated weight-loss drugs in plant dietary supplements. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1064, 92-99.	2.3	37
24	Analysis of Pharmacologic Adulteration in Dietary Supplements by Capillary Zone Electrophoresis Using Simultaneous Contactless Conductivity and UV Detection. <i>Chromatographia</i> , 2018, 81, 689-698.	1.3	15
25	Simultaneous analysis of 23 illegal adulterated aphrodisiac chemical ingredients in health foods and Chinese traditional patent medicines by ultrahigh performance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry. <i>Journal of Food and Drug Analysis</i> , 2018, 26, 1138-1153.	1.9	32
26	Analytical performance of the various acquisition modes in Orbitrap MS and MS/MS. <i>Journal of Mass Spectrometry</i> , 2018, 53, 725-738.	1.6	31
27	A review of synthetic phosphodiesterase type 5 inhibitors (PDE-5i) found as adulterants in dietary supplements. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 147, 250-277.	2.8	60
28	Disperse magnetic solid phase microextraction and surface enhanced Raman scattering (Dis-MSPME-SERS) for the rapid detection of trace illegally chemicals. <i>Talanta</i> , 2018, 178, 498-506.	5.5	22
29	Simultaneous Screening and Determination of Eight Tetracycline Antibiotics Illegally Adulterated in Herbal Preparations Using HPLC-DAD Combined with LC-MS-MS. <i>Chromatographia</i> , 2018, 81, 303-314.	1.3	16
30	Development and validation of an ultra performance liquid chromatography Q-Exactive Orbitrap mass spectrometry for the determination of fipronil and its metabolites in tea and chrysanthemum. <i>Food Chemistry</i> , 2018, 246, 328-334.	8.2	46
31	Detection of adulterated drugs in traditional Chinese medicine and dietary supplements using hydrogen as a carrier gas. <i>PLoS ONE</i> , 2018, 13, e0205371.	2.5	19
32	Isolation and characterisation of a novel sildenafil analogue adulterant, desmethylpiperazinyl propoxysildenafil, in a dietary supplement. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2018, 58, 447-454.	2.1	15
33	Current trends in the analysis and quality control of food supplements based on plant extracts. <i>Analytica Chimica Acta</i> , 2018, 1036, 1-15.	5.4	74
34	Intestinal mucosal metabolites-guided detection of trace-level ginkgo biloba extract metabolome. <i>Journal of Chromatography A</i> , 2019, 1608, 460417.	3.7	9
35	Data on the optimisation and validation of a liquid chromatography-high-resolution mass spectrometry (LC-HRMS) to establish the presence of phosphodiesterase 5 (PDE5) inhibitors in instant coffee premixes. <i>Data in Brief</i> , 2019, 25, 104234.	1.0	7
36	Nicotine Pharmacokinetics in Rat Brain and Blood by Simultaneous Microdialysis, Stable-Isotope Labeling, and UHPLC-HRMS: Determination of Nicotine Metabolites. <i>Analytical Chemistry</i> , 2019, 91, 2916-2922.	6.5	13

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37	An Ultra-High Performance Liquid Chromatography- ^Q -Electrospray Tandem Mass Spectrometric Method for Screening and Simultaneous Determination of Anorexic, Anxiolytic, Antidepressant, Diuretic, Laxative and Stimulant Drugs in Dietary Supplements Marketed for Weight Loss. <i>Journal of Chromatographic Science</i> , 2019, 57, 528-540.	1.4	13
38	Poly-pharmacokinetic strategy-delineated metabolic fate of bioactive compounds in a traditional Chinese medicine formula, Yuanhu Zhitong tablets, using parallel reaction monitoring mode. <i>Phytomedicine</i> , 2019, 53, 53-61.	5.3	15
39	Accurate and sensitive determination of sildenafil, tadalafil, vardenafil, and avanafil in illicit erectile dysfunction medications and human urine by LC with quadrupole- ^Q -TOF-MS/MS and their behaviors in simulated gastric conditions. <i>Journal of Separation Science</i> , 2019, 42, 475-483.	2.5	27
40	Common risks of adulterated and mislabeled herbal preparations. <i>Food and Chemical Toxicology</i> , 2019, 123, 288-297.	3.6	37
41	Tissue distribution profiles of multiple major bioactive components in rats after intravenous administration of Xuebijing injection by UHPLC- ^Q -Orbitrap HRMS. <i>Biomedical Chromatography</i> , 2019, 33, e4400.	1.7	9
42	Rapid screening and identification of targeted or non-targeted antitussive adulterants in herbal medicines by Q-Orbitrap HRMS and screening database. <i>International Journal of Mass Spectrometry</i> , 2020, 447, 116250.	1.5	11
43	Reliable screening and classification of phosphodiesterase type 5 inhibitors in dietary supplements using gas chromatography / mass spectrometry combined with specific common ions. <i>Journal of Chromatography A</i> , 2020, 1623, 461210.	3.7	12
44	Adulterants in selected dietary supplements and their detection methods. <i>Drug Testing and Analysis</i> , 2020, 12, 861-886.	2.6	17
45	Simultaneous analysis of 31 anti-impotence compounds potentially illegally added to herbal-based dietary supplements by ultra-high-performance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1144, 122077.	2.3	12
46	Comparative Research of Chemical Profiling in Different Parts of <i>Fissistigma oldhamii</i> by Ultra-High-Performance Liquid Chromatography Coupled with Hybrid Quadrupole-Orbitrap Mass Spectrometry. <i>Molecules</i> , 2021, 26, 960.	3.8	7
48	Effect of Gut Microbiota on the Metabolism of Chemical Constituents of <i>Berberis kansuensis</i> Extract Based on UHPLC-Orbitrap-MS Technique. <i>Planta Medica</i> , 2022, 88, 933-949.	1.3	2
49	Screening results for non-declared synthetic phosphodiesterase-5 inhibitors being added to dietary supplements of plant origin. <i>Health Risk Analysis</i> , 2019, , 50-59.	0.3	0
50	Advances in Analysis of Contaminants in Foodstuffs on the Basis of Orbitrap Mass Spectrometry: a Review. <i>Food Analytical Methods</i> , 2022, 15, 803-819.	2.6	4
51	HPLC-MS/MS Method for Screening of Selected Antibiotic Adulterants in Herbal Drugs. <i>Analytical Methods</i> , 2022, , .	2.7	3
52	A Species-Specific Strategy for the Identification of Hemocoagulase <i>Agkistrodon halys pallas</i> Based on LC-MS/MS-MRM. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, .	3.5	1
53	Optimization of HPLC- ^Q -MS/MS method for determination of antimalarial adulterants in herbal products. <i>Analytical Sciences</i> , 0, , .	1.6	0
54	Dispersive magnetic solid-phase extraction for synthetic PDE-5 inhibitors determination by high-performance liquid chromatography with tandem mass spectrometry. <i>Advances in Sample Preparation</i> , 2023, 7, 100071.	3.0	1
55	Pharmacokinetic and pharmacodynamic studies of nicotine in rat brain: a simultaneous investigation of nicotine metabolites and the release of neurotransmitters in vivo. <i>Frontiers in Chemistry</i> , 0, 11, .	3.6	0