Willy E Lambert

List of Publications by Year
in descending order

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65 papers	4,385 citations	87888 38 h-index	114465 63 g-index
65 all docs	65 docs citations	65 times ranked	4330 citing authors

#	Article	IF	Citations
1	Consumer Acceptance and Willingness-to-Pay for Genetically Modified Foods with Enhanced Vitamin Levels. , 2016, , 195-206.		1
2	Degradation and interconversion of plant pteridines during sample preparation and ultra-high performance liquid chromatographyâ€“tandem mass spectrometry. Food Chemistry, 2016, 194, 1189-1198.	8.2	7
3	Determination of Five Folate Monoglutamates in Rodent Diets. Journal of Agricultural and Food Chemistry, 2015, 63, 10089-10095.	5.2	1
4	Folates from metabolically engineered rice: A long-term study in rats. Molecular Nutrition and Food Research, 2015, 59, 490-500.	3.3	15
5	An optimized and validated SPE-LCâ€“MS/MS method for the determination of caffeine and paraxanthine in hair. Talanta, 2015, 144, 62-70.	5.5	18
6	Status and market potential of transgenic biofortified crops. Nature Biotechnology, 2015, 33, 25-29.	17.5	86
7	Paraxanthine/Caffeine Concentration Ratios in Hair: An Alternative for Plasma-Based Phenotyping of Cytochrome P450 1A2?. Clinical Pharmacokinetics, 2015, 54, 771-781.	3.5	6
8	Does volumetric absorptive microsampling eliminate the hematocrit bias for caffeine and paraxanthine in dried blood samples? A comparative study. Analytica Chimica Acta, 2015, 881, 65-73.	5.4	128
9	A validated ultra-high-performance liquid chromatographyâ€“tandem mass spectrometry method for the selective analysis of free and total folate in plasma and red blood cells. Journal of Chromatography A, 2015, 1398, 20-28.	3.7	20
10	Improving folate (vitamin B9) stability in biofortified rice through metabolic engineering. Nature Biotechnology, 2015, 33, 1076-1078.	17.5	140
11	Potassium-based algorithm allows correction for the hematocrit bias in quantitative analysis of caffeine and its major metabolite in dried blood spots. Analytical and Bioanalytical Chemistry, 2014, 406, 6749-6755.	3.7	57
12	CYP1A2 phenotyping in dried blood spots and microvolumes of whole blood and plasma. Bioanalysis, 2014, 6, 3011-3024.	1.5	15
13	Spot them in the spot: analysis of abused substances using dried blood spots. Bioanalysis, 2014, 6, 2211-2227.	1.5	80
14	Current strategies for coping with the hematocrit problem in dried blood spot analysis. Bioanalysis, 2014, 6, 1871-1874.	1.5	83
15	Why Dried Blood Spots Are an Ideal Tool for CYP1A2 Phenotyping. Clinical Pharmacokinetics, 2014, 53, 763-771.	3.5	16
16	Folate Profiling in Potato (Solanum tuberosum) Tubers by Ultrahigh-Performance Liquid Chromatographyâ€“Tandem Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2014, 62, 3092-3100.	5.2	13
17	Conceptual framework for ex-ante evaluation at the micro/macro level of GM crops with health benefits. Trends in Food Science and Technology, 2014, 39, 116-134.	15.1	19
18	Rice folate enhancement through metabolic engineering has an impact on rice seed metabolism, but does not affect the expression of the endogenous folate biosynthesis genes. Plant Molecular Biology, 2013, 83, 329-349.	3.9	29

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19	Prediction of the Hematocrit of Dried Blood Spots via Potassium Measurement on a Routine Clinical Chemistry Analyzer. Analytical Chemistry, 2013, 85, 404-410.	6.5	137
20	Hemato-critical issues in quantitative analysis of dried blood spots: challenges and solutions. Bioanalysis, 2013, 5, 2023-2041.	1.5	213
21	Enhancing pterin and para-aminobenzoate content is not sufficient to successfully biofortify potato tubers and Arabidopsis thaliana plants with folate. Journal of Experimental Botany, 2013, 64, 3899-3909.	4.8	53
22	How negative product attributes alter consumer perceptions of folate biofortified rice in a high risk region of China. International Journal of Biotechnology, 2013, 12, 269.	1.2	12
23	Dried blood spots in toxicology: from the cradle to the grave?. Critical Reviews in Toxicology, 2012, 42, 230-243.	3.9	137
24	Inhibition of p-Aminobenzoate and Folate Syntheses in Plants and Apicomplexan Parasites by Natural Product Rubreserine. Journal of Biological Chemistry, 2012, 287, 22367-22376.	3.4	18
25	Ex-ante Evaluation of Biotechnology Innovations: the Case of Folate Biofortified Rice in China. Current Pharmaceutical Biotechnology, 2012, 13, 2751-2760.	1.6	17
26	Potential impact and cost-effectiveness of multi-biofortified rice in China. New Biotechnology, 2012, 29, 432-442.	4.4	92
27	A folate independent role for cytosolic HPPK/DHPS upon stress in Arabidopsis thaliana. Phytochemistry, 2012, 73, 23-33.	2.9	23
28	Determination of four basic pharmaceuticals and one pesticide in surface water with UPLC-ESI-MS/MS. International Journal of Environmental Analytical Chemistry, 2011, 91, 1218-1226.	3.3	5
29	Quantitative liquid chromatographic analysis of anthracyclines in biological fluids. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 2471-2486.	2.3	14
30	Folates and Folic Acid: From Fundamental Research Toward Sustainable Health. Critical Reviews in Plant Sciences, 2010, 29, 14-35.	5.7	114
31	Determination of gamma-hydroxybutyric acid in dried blood spots using a simple GC-MS method with direct â€œon spotâ€•derivatization. Analytical and Bioanalytical Chemistry, 2010, 398, 2173-2182.	3.7	45
32	Ultra-performance liquid chromatographyâ€“tandem mass spectrometry (UPLCâ€“MS/MS) for the sensitive determination of folates in rice. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 509-513.	2.3	56
33	A field study on 8 pharmaceuticals and 1 pesticide in Belgium: Removal rates in waste water treatment plants and occurrence in surface water. Science of the Total Environment, 2010, 408, 3448-3453.	8.0	94
34	Health impact in China of folate-biofortified rice. Nature Biotechnology, 2010, 28, 554-556.	17.5	47
35	Determination of antidepressants in human postmortem blood, brain tissue, and hair using gas chromatographyâ€“mass spectrometry. International Journal of Legal Medicine, 2009, 123, 451-458.	2.2	62
36	Development and validation of a liquid chromatographic method for the simultaneous determination of four anthracyclines and their respective 13-S-dihydro metabolites in plasma and saliva. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 3907-3915.	2.3	33

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37	C1 metabolism and chlorophyll synthesis: the Mgâ€protoporphyrin IX methyltransferase activity is dependent on the folate status. New Phytologist, 2009, 182, 137-145.	7.3	51
38	Optimization of a liquid chromatographic separation for the simultaneous determination of four anthracyclines and their respective 13â€Sâ€dihydro metabolites. Journal of Separation Science, 2008, 31, 1042-1049.	2.5	12
39	Comparison of matrix effects in HPLC-MS/MS and UPLC-MS/MS analysis of nine basic pharmaceuticals in surface waters. Journal of the American Society for Mass Spectrometry, 2008, 19, 713-718.	2.8	134
40	Validation of a solid-phase extraction and liquid chromatographyâ€“electrospray tandem mass spectrometric method for the determination of nine basic pharmaceuticals in wastewater and surface water samples. Journal of Chromatography A, 2008, 1182, 153-160.	3.7	81
41	Optimisation and validation of a liquid chromatographyâ€“tandem mass spectrometry method for folates in rice. Journal of Chromatography A, 2008, 1215, 125-132.	3.7	54
42	A Genome-Wide and Metabolic Analysis Determined the Adaptive Response of Arabidopsis Cells to Folate Depletion Induced by Methotrexate. Plant Physiology, 2008, 148, 2083-2095.	4.8	41
43	Regulation of One-Carbon Metabolism in Arabidopsis: The N-Terminal Regulatory Domain of Cystathionine Î³-Synthase Is Cleaved in Response to Folate Starvation. Plant Physiology, 2007, 145, 491-503.	4.8	53
44	Cytosolic Hydroxymethyldihydropterin Pyrophosphokinase/Dihydropteroate Synthase from Arabidopsis thaliana. Journal of Biological Chemistry, 2007, 282, 10749-10761.	3.4	36
45	Comparison of electron and chemical ionization modes by validation of a quantitative gas chromatographicâ€“mass spectrometric assay of new generation antidepressants and their active metabolites in plasma. Journal of Chromatography A, 2007, 1176, 236-245.	3.7	80
46	Traces of phosgene in chloroform: Consequences for extraction of anthracyclines. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 848, 384-390.	2.3	22
47	pH stability of individual folates during critical sample preparation steps in prevision of the analysis of plant folates. Phytochemical Analysis, 2007, 18, 496-508.	2.4	100
48	Folate fortification of rice by metabolic engineering. Nature Biotechnology, 2007, 25, 1277-1279.	17.5	276
49	Determination of unbound docetaxel and paclitaxel in plasma by ultrafiltration and liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2006, 1108, 195-201.	3.7	39
50	Tackling matrix effects during development of a liquid chromatographicâ€“electrospray ionisation tandem mass spectrometric analysis of nine basic pharmaceuticals in aqueous environmental samples. Journal of Chromatography A, 2006, 1123, 71-81.	3.7	109
51	Investigation of the extraction behavior of the main monoglutamate folates from spinach by liquid chromatographyâ€“electrospray ionization tandem mass spectrometry. Journal of Chromatography A, 2005, 1078, 59-66.	3.7	52
52	Free and totalpara-aminobenzoic acid analysis in plants with high-performance liquid chromatography/tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2005, 19, 963-969.	1.5	23
53	Development and Validation of a Liquid Chromatographyâ^'Tandem Mass Spectrometry Assay for the Quantification of Docetaxel and Paclitaxel in Human Plasma and Oral Fluid. Analytical Chemistry, 2005, 77, 4677-4683.	6.5	61
54	Folate enhancement in staple crops by metabolic engineering. Trends in Food Science and Technology, 2005, 16, 271-281.	15.1	42

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55	Countering matrix effects in environmental liquid chromatographyâ€“electrospray ionization tandem mass spectrometry water analysis for endocrine disrupting chemicals. Journal of Chromatography A, 2004, 1029, 153-159.	3.7	192
56	Quantitative analysis of twelve sulfonamides in honey after acidic hydrolysis by high-performance liquid chromatography with post-column derivatization and fluorescence detection. Journal of Chromatography A, 2004, 1047, 85-92.	3.7	143
57	Enhanced method performance due to a shorter chromatographic run-time in a liquid chromatography?tandem mass spectrometry assay for paclitaxel. Journal of Chromatography A, 2004, 1041, 235-235.	3.7	0
58	Matrix effect in bio-analysis of illicit drugs with LC-MS/MS: Influence of ionization type, sample preparation, and biofluid. Journal of the American Society for Mass Spectrometry, 2003, 14, 1290-1294.	2.8	533
59	Sonic spray ionization applied to liquid chromatography/mass spectrometry analysis of endocrine-disrupting chemicals in environmental water samples. Rapid Communications in Mass Spectrometry, 2003, 17, 1866-1872.	1.5	32
60	Determination of Total Folate in Plant Material by Chemical Conversion intopara-Aminobenzoic Acid Followed by High Performance Liquid Chromatography Combined with On-Line Postcolumn Derivatization and Fluorescence Detection. Journal of Agricultural and Food Chemistry, 2003, 51, 7872-7878.	5.2	27
61	Sonic Spray Ionization Technology:Â Performance Study and Application to a LC/MS Analysis on a Monolithic Silica Column for Heroin Impurity Profiling. Analytical Chemistry, 2002, 74, 3206-3212.	6.5	35
62	Determination of paramethoxyamphetamine and other amphetamine-related designer drugs by liquid chromatography/sonic spray ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2002, 16, 865-870.	1.5	55
63	Influence of the eluent composition on the ionization efficiency for morphine of pneumatically assisted electrospray, atmospheric-pressure chemical ionization and sonic spray. Rapid Communications in Mass Spectrometry, 2002, 16, 1072-1077.	1.5	47
64	Analysis of estrogenic contaminants in river water using liquid chromatography coupled to ion trap based mass spectrometry. Rapid Communications in Mass Spectrometry, 2002, 16, 1358-1364.	1.5	49
65	Stir bar sorptive extractionâ€“thermal desorptionâ€“capillary gas chromatographyâ€“mass spectrometry applied to the analysis of polychlorinated biphenyls in human sperm. Biomedical Applications, 2001, 755, 137-142.	1.7	100