

Steven J Lehotay

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78
papers

10,101
citations

39
h-index

81
g-index

81
ext. papers

11,080
ext. citations

3.8
avg. IF

6.34
L-index

#	Paper	IF	Citations
78	Fast and Easy Multiresidue Method Employing Acetonitrile Extraction/Partitioning and Dispersive Solid-Phase Extraction for the Determination of Pesticide Residues in Produce. <i>Journal of AOAC INTERNATIONAL</i> , 2003 , 86, 412-431	1.7	3547
77	Comparison of QuEChERS sample preparation methods for the analysis of pesticide residues in fruits and vegetables. <i>Journal of Chromatography A</i> , 2010 , 1217, 2548-60	4.5	606
76	Determination of Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate: Collaborative Study. <i>Journal of AOAC INTERNATIONAL</i> , 2007 , 90, 485-520	1.7	538
75	Use of Buffering and Other Means to Improve Results of Problematic Pesticides in a Fast and Easy Method for Residue Analysis of Fruits and Vegetables. <i>Journal of AOAC INTERNATIONAL</i> , 2005 , 88, 615-629	1.7	499
74	Validation of a Fast and Easy Method for the Determination of Residues from 229 Pesticides in Fruits and Vegetables Using Gas and Liquid Chromatography and Mass Spectrometric Detection. <i>Journal of AOAC INTERNATIONAL</i> , 2005 , 88, 595-614	1.7	492
73	Evaluation of Two Fast and Easy Methods for Pesticide Residue Analysis in Fatty Food Matrixes. <i>Journal of AOAC INTERNATIONAL</i> , 2005 , 88, 630-638	1.7	343
72	Evaluation of analyte protectants to improve gas chromatographic analysis of pesticides. <i>Journal of Chromatography A</i> , 2003 , 1015, 163-84	4.5	284
71	Evaluation of common organic solvents for gas chromatographic analysis and stability of multiclass pesticide residues. <i>Journal of Chromatography A</i> , 2004 , 1040, 259-72	4.5	237
70	Combination of analyte protectants to overcome matrix effects in routine GC analysis of pesticide residues in food matrixes. <i>Analytical Chemistry</i> , 2005 , 77, 8129-37	7.8	188
69	Evaluation of the QuEChERS sample preparation approach for the analysis of pesticide residues in olives. <i>Journal of Separation Science</i> , 2007 , 30, 620-32	3.4	183
68	High throughput analysis of 150 pesticides in fruits and vegetables using QuEChERS and low-pressure gas chromatography-time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2010 , 1217, 6692-703	4.5	180
67	Practical approaches to fast gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2003 , 1000, 153-80	4.5	174
66	Pesticide multiresidue analysis in cereal grains using modified QuEChERS method combined with automated direct sample introduction GC-TOFMS and UPLC-MS/MS techniques. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 5959-72	5.7	170
65	Multi-class, multi-residue analysis of pesticides, polychlorinated biphenyls, polycyclic aromatic hydrocarbons, polybrominated diphenyl ethers and novel flame retardants in fish using fast, low-pressure gas chromatography-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2013 , 758, 80-92	6.6	165
64	Variability of matrix effects in liquid and gas chromatography-mass spectrometry analysis of pesticide residues after QuEChERS sample preparation of different food crops. <i>Journal of Chromatography A</i> , 2012 , 1270, 235-45	4.5	150
63	Identification and confirmation of chemical residues in food by chromatography-mass spectrometry and other techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2008 , 27, 1070-1090	14.6	106
62	Development of a Method of Analysis for 46 Pesticides in Fruits and Vegetables by Supercritical Fluid Extraction and Gas Chromatography/Ion TVap Mass Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , 1995 , 78, 821-830	1.7	102

61	Ruggedness testing and validation of a practical analytical method for >100 veterinary drug residues in bovine muscle by ultrahigh performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2012 , 1258, 43-54	4.5	98
60	Fast, low-pressure gas chromatography triple quadrupole tandem mass spectrometry for analysis of 150 pesticide residues in fruits and vegetables. <i>Journal of Chromatography A</i> , 2011 , 1218, 7039-50	4.5	95
59	Comparison of solid-phase extraction sorbents for cleanup in pesticide residue analysis of fresh fruits and vegetables. <i>Journal of Separation Science</i> , 2002 , 25, 883-890	3.4	91
58	Analysis of pesticide residues in eggs by direct sample introduction/gas chromatography/tandem mass spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2001 , 49, 4589-96	5.7	91
57	Evaluation of a recent product to remove lipids and other matrix co-extractives in the analysis of pesticide residues and environmental contaminants in foods. <i>Journal of Chromatography A</i> , 2016 , 1449, 17-29	4.5	89
56	Determination of pesticide residues in foods by acetonitrile extraction and partitioning with magnesium sulfate: collaborative study. <i>Journal of AOAC INTERNATIONAL</i> , 2007 , 90, 485-520	1.7	89
55	Analysis of Pesticide Residues in Mixed Fruit and Vegetable Extracts by Direct Sample Introduction/Gas Chromatography/Tandem Mass Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , 2000 , 83, 680-697	1.7	85
54	Streamlined sample cleanup using combined dispersive solid-phase extraction and in-vial filtration for analysis of pesticides and environmental pollutants in shrimp. <i>Analytica Chimica Acta</i> , 2014 , 827, 40-6	6.6	84
53	Optimization and evaluation of low-pressure gas chromatography-mass spectrometry for the fast analysis of multiple pesticide residues in a food commodity. <i>Journal of Chromatography A</i> , 2001 , 926, 291-308	4.5	84
52	Use of ammonium formate in QuEChERS for high-throughput analysis of pesticides in food by fast, low-pressure gas chromatography and liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2014 , 1358, 75-84	4.5	78
51	Establishing the fitness for purpose of mass spectrometric methods. <i>Journal of the American Society for Mass Spectrometry</i> , 2003 , 14, 528-41	3.5	76
50	Use of automated direct sample introduction with analyte protectants in the GC-MS analysis of pesticide residues. <i>Journal of Separation Science</i> , 2005 , 28, 1048-60	3.4	69
49	QuEChERS sample preparation approach for mass spectrometric analysis of pesticide residues in foods. <i>Methods in Molecular Biology</i> , 2011 , 747, 65-91	1.4	68
48	Multi-Analyst, Multi-Matrix Performance of the QuEChERS Approach for Pesticide Residues in Foods and Feeds Using HPLC/MS/MS Analysis with Different Calibration Techniques. <i>Journal of AOAC INTERNATIONAL</i> , 2010 , 93, 355-367	1.7	64
47	Rapid analysis of aminoglycoside antibiotics in bovine tissues using disposable pipette extraction and ultrahigh performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2013 , 1313, 103-12	4.5	54
46	Current issues involving screening and identification of chemical contaminants in foods by mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 69, 62-75	14.6	49
45	Method validation for 243 pesticides and environmental contaminants in meats and poultry by tandem mass spectrometry coupled to low-pressure gas chromatography and ultrahigh-performance liquid chromatography. <i>Food Control</i> , 2016 , 66, 270-282	6.2	49
44	Validation of a fast and easy method for the determination of residues from 229 pesticides in fruits and vegetables using gas and liquid chromatography and mass spectrometric detection. <i>Journal of AOAC INTERNATIONAL</i> , 2005 , 88, 595-614	1.7	49

43	Development and validation of a streamlined method designed to detect residues of 62 veterinary drugs in bovine kidney using ultra-high performance liquid chromatography--tandem mass spectrometry. <i>Drug Testing and Analysis</i> , 2012 , 4 Suppl 1, 75-90	3.5	46
42	Sampling and sample processing in pesticide residue analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 4395-404	5.7	45
41	Validation of a streamlined multiclass, multiresidue method for determination of veterinary drug residues in bovine muscle by liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 4423-35	4.4	41
40	Use of buffering and other means to improve results of problematic pesticides in a fast and easy method for residue analysis of fruits and vegetables. <i>Journal of AOAC INTERNATIONAL</i> , 2005 , 88, 615-29 ^{1.7}	1.7	41
39	Development of a Sample Preparation Technique for Supercritical Fluid Extraction for Multiresidue Analysis of Pesticides in Produce. <i>Journal of AOAC INTERNATIONAL</i> , 1995 , 78, 831-840	1.7	39
38	Automated Mini-Column Solid-Phase Extraction Cleanup for High-Throughput Analysis of Chemical Contaminants in Foods by Low-Pressure Gas Chromatography-Tandem Mass Spectrometry. <i>Chromatographia</i> , 2016 , 79, 1113-1130	2.1	38
37	Comparison of veterinary drug residue results in animal tissues by ultrahigh-performance liquid chromatography coupled to triple quadrupole or quadrupole-time-of-flight tandem mass spectrometry after different sample preparation methods, including use of a commercial lipid removal product. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 2639-2653	4.4	37
36	Qualitative aspects in the analysis of pesticide residues in fruits and vegetables using fast, low-pressure gas chromatography-time-of-flight mass spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 7544-56	5.7	36
35	Supercritical Fluid Extraction and Gas Chromatography/Ion Trap Mass Spectrometry of Pentachlorotrobenzene Pesticides in Vegetables. <i>Journal of AOAC INTERNATIONAL</i> , 1995 , 78, 445-452 ^{1.7}	1.7	36
34	Evaluation of a Fast and Simple Sample Preparation Method for Polybrominated Diphenyl Ether (PBDE) Flame Retardants and Dichlorodiphenyltrichloroethane (DDT) Pesticides in Fish for Analysis by ELISA Compared with GC-MS/MS. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 4429-34	5.7	34
33	Simultaneous analysis of aminoglycosides with many other classes of drug residues in bovine tissues by ultrahigh-performance liquid chromatography-tandem mass spectrometry using an ion-pairing reagent added to final extracts. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 1095-1109	4.4	32
32	Evaluation of different parameters in the extraction of incurred pesticides and environmental contaminants in fish. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 5163-8	5.7	32
31	Determination of Pesticide Residues in Nonfatty Foods by Percritical Extraction and Gas Chromatography/Mass Spectrometry: Collaborative Study. <i>Journal of AOAC INTERNATIONAL</i> , 2002 , 85, 1148-1166	1.7	31
30	Review of recent developments and applications in low-pressure (vacuum outlet) gas chromatography. <i>Analytica Chimica Acta</i> , 2015 , 899, 13-22	6.6	30
29	Analysis of Nitrosamines in Cooked Bacon by QuEChERS Sample Preparation and Gas Chromatography-Tandem Mass Spectrometry with Backflushing. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 10341-51	5.7	28
28	Hits and misses in research trends to monitor contaminants in foods. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 5331-5351	4.4	28
27	Evaluation of two fast and easy methods for pesticide residue analysis in fatty food matrixes. <i>Journal of AOAC INTERNATIONAL</i> , 2005 , 88, 630-8	1.7	28
26	Issues in Mass Spectrometry Between Bench Chemists and Regulatory Laboratory Managers: Summary of the Roundtable on Mass Spectrometry Held at the 123rd AOAC INTERNATIONAL Annual Meeting. <i>Journal of AOAC INTERNATIONAL</i> , 2010 , 93, 1625-1632	1.7	17

25	Effects of temperature and purity of magnesium sulfate during extraction of pesticide residues using the QuEChERS method. <i>Journal of AOAC INTERNATIONAL</i> , 2012 , 95, 1311-8	1.7	14
24	High-Throughput Mega-Method for the Analysis of Pesticides, Veterinary Drugs, and Environmental Contaminants by Ultra-High-Performance Liquid Chromatography-Tandem Mass Spectrometry and Robotic Mini-Solid-Phase Extraction Cleanup + Low-Pressure Gas Chromatography-Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 1159-1168	5.7	13
23	Use of a quality control approach to assess measurement uncertainty in the comparison of sample processing techniques in the analysis of pesticide residues in fruits and vegetables. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 5465-5479	4.4	12
22	Blind analysis of fortified pesticide residues in carrot extracts using GC-MS to evaluate qualitative and quantitative performance. <i>Journal of Separation Science</i> , 2009 , 32, 3706-19	3.4	11
21	High-Throughput Mega-Method for the Analysis of Pesticides, Veterinary Drugs, and Environmental Contaminants by Ultra-High-Performance Liquid Chromatography-Tandem Mass Spectrometry and Robotic Mini-Solid-Phase Extraction Cleanup + Low-Pressure Gas Chromatography-Tandem Mass Spectrometry. Part 1: Beef. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 1159-1168	5.7	11
20	Assessment of Test Portion Sizes after Sample Comminution with Liquid Nitrogen in an Improved High-Throughput Method for Analysis of Pesticide Residues in Fruits and Vegetables. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 1468-1479	5.7	10
19	Multiresidue Analysis of Pesticides in Straw Roughage by Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 6091-9	5.7	10
18	Structural characterization of product ions by electrospray ionization and quadrupole time-of-flight mass spectrometry to support regulatory analysis of veterinary drug residues in foods. Part 2: Benzimidazoles, nitromidazoles, phenothiazines, and mectins. <i>Rapid Communications in Mass Spectrometry</i> , 2017 , 31, 710-22	2.2	10
17	Use of an Efficient Measurement Uncertainty Approach To Compare Room Temperature and Cryogenic Sample Processing in the Analysis of Chemical Contaminants in Foods. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 4986-4996	5.7	10
16	Less than one minute low-pressure gas chromatography - mass spectrometry. <i>Journal of Chromatography A</i> , 2020 , 1612, 460691	4.5	9
15	Cryogenic Sample Processing with Liquid Nitrogen for Effective and Efficient Monitoring of Pesticide Residues in Foods and Feeds. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 9203-9209	5.7	8
14	Critical review and re-assessment of analyte protectants in gas chromatography. <i>Journal of Chromatography A</i> , 2020 , 1632, 461596	4.5	8
13	Validation of a high-throughput method for analysis of pesticide residues in hemp and hemp products. <i>Journal of Chromatography A</i> , 2021 , 1645, 462097	4.5	7
12	Possibilities and Limitations of Isocratic Fast Liquid Chromatography-Tandem Mass Spectrometry Analysis of Pesticide Residues in Fruits and Vegetables. <i>Chromatographia</i> , 2019 , 82, 235-250	2.1	7
11	Extract-and-Inject Analysis of Veterinary Drug Residues in Catfish and Ready-to-Eat Meats by Ultrahigh-Performance Liquid Chromatography - Tandem Mass Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , 2020 , 103, 584-606	1.7	6
10	Structural characterization of product ions of regulated veterinary drugs by electrospray ionization and quadrupole time-of-flight mass spectrometry. Part 3: Anthelmintics and thyreostats. <i>Rapid Communications in Mass Spectrometry</i> , 2016 , 30, 813-22	2.2	4
9	Comparison of four different multiclass, multiresidue sample preparation methods in the analysis of veterinary drugs in fish and other food matrices. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 3223-3241	4.4	3
8	Committee on Residues and Related Topics. <i>Journal of AOAC INTERNATIONAL</i> , 2008 , 91, 46B-48B	1.7	1

7	Multiclass, Multiresidue Analysis of Pesticides, Strategies for 2006 ,		1
6	Validation of the QuEChERSER mega-method for the analysis of pesticides, veterinary drugs, and environmental contaminants in tilapia (). <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2022 , 1-11	3.2	0
5	Comparison of analyte identification criteria and other aspects in triple quadrupole tandem mass spectrometry: Case study using UHPLC-MS/MS for regulatory analysis of veterinary drug residues in liquid and powdered eggs. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 1	4.4	0
4	Committee on Residues and Related Topics. <i>Journal of AOAC INTERNATIONAL</i> , 2007 , 90, 61B-63B	1.7	
3	Committee on Residues and Related Topics. <i>Journal of AOAC INTERNATIONAL</i> , 2006 , 89, 1697-1699	1.7	
2	Committee on Residues and Related Topics. <i>Journal of AOAC INTERNATIONAL</i> , 2005 , 88, 377-379	1.7	
1	Determination of pesticide residues in nonfatty foods by supercritical fluid extraction and gas chromatography/mass spectrometry: collaborative study. <i>Journal of AOAC INTERNATIONAL</i> , 2002 , 85, 1148-66	1.7	