

Jackson O Lay

List of Publications by Year in descending order

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155
papers

5,943
citations

94433

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85541

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158
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158
docs citations

158
times ranked

5789
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of Biodegradable/Biocompatible Nanoliposome-Encapsulated Antimicrobial Essential Oils for Topical Creams and Gels. ACS Omega, 2022, 7, 23875-23889.	3.5	2
2	THE DEVELOPMENT OF A HIGH-RESOLUTION MASS SPECTROMETRY METHOD FOR ULTRA-TRACE ANALYSIS OF CHLORINATED DIOXINS IN ENVIRONMENTAL AND BIOLOGICAL SAMPLES INCLUDING VIET NAM ERA VETERANS. Mass Spectrometry Reviews, 2021, 40, 236-254.	5.4	2
3	Matrix-assisted ionization Fourier transform mass spectrometry for the analysis of lipids. Rapid Communications in Mass Spectrometry, 2021, 35, e8349.	1.5	9
4	Thymosin β 4 dynamics during chicken enteroid development. Molecular and Cellular Biochemistry, 2021, 476, 1303-1312.	3.1	0
5	The Arabidopsis Proteins AtNHR2A and AtNHR2B Are Multi-Functional Proteins Integrating Plant Immunity With Other Biological Processes. Frontiers in Plant Science, 2020, 11, 232.	3.6	9
6	Phorbol 12-Myristate 13-Acetate-Induced Changes in Chicken Enterocytes. Proteomics Insights, 2019, 10, 117864181984036.	2.0	12
7	Cold tolerance response mechanisms revealed through comparative analysis of gene and protein expression in multiple rice genotypes. PLoS ONE, 2019, 14, e0218019.	2.5	33
8	Metal-free and benign approach for the synthesis of dihydro-5H-spiro[benzo[<i>c</i>]chromene-8,4-oxazole]-5,6(7H)-dione scaffolds as masked amino acids. Green Chemistry, 2019, 21, 2656-2661.	6.0	6
9	Microdialysis Sampling of Quorum Sensing Homoserine Lactones during Biofilm Formation. Analytical Chemistry, 2019, 91, 3964-3970.	6.5	6
10	Formation, Tentative Mass Spectrometric Identification, and Color Stability of Acetaldehyde-Catalyzed Condensation of Red Radish (<i>Raphanus sativus</i>) Anthocyanins and (+) Catechin. Beverages, 2019, 5, 64.	2.8	1
11	A method to culture chicken enterocytes and their characterization. Poultry Science, 2018, 97, 4040-4047.	3.4	19
12	Changes in polyphenolics during maturation of Java plum (<i>Syzygium cumini</i> Lam.). Food Research International, 2017, 100, 385-391.	6.2	34
13	Purification and characterization of a peptide from soybean with cancer cell proliferation inhibition. Journal of Food Biochemistry, 2017, 41, e12374.	2.9	17
14	A Comprehensive Assessment of the Genetic Determinants in Salmonella Typhimurium for Resistance to Hydrogen Peroxide Using Proteogenomics. Scientific Reports, 2017, 7, 17073.	3.3	36
15	Ascorbic acid-catalyzed degradation of cyanidin-3-O- β -glucoside: Proposed mechanism and identification of a novel hydroxylated product. Journal of Berry Research, 2016, 6, 175-187.	1.4	16
16	Isolation and Characterization of Chicken Yolk Vitelline Membrane Lipids Using Eggs Enriched With Conjugated Linoleic Acid. Lipids, 2016, 51, 769-779.	1.7	4
17	Proteomic Changes in Chicken Plasma Induced by Salmonella typhimurium Lipopolysaccharides. Proteomics Insights, 2016, 7, PRI.S31609.	2.0	10
18	Proteomic Changes in the Plasma of Broiler Chickens with Femoral Head Necrosis. Biomarker Insights, 2016, 11, BMI.S38291.	2.5	13

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19	Using MALDI MS for rapid analysis of food lipids. <i>Lipid Technology</i> , 2015, 27, 255-257.	0.3	3
20	Production and Fractionation of Xylose Oligomers from Switchgrass Hemicelluloses Using Centrifugal Partition Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015, 38, 801-809.	1.0	9
21	Chicken Egg Shell Membrane Associated Proteins and Peptides. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 9888-9898.	5.2	45
22	Simple Radiometric Method for Accurately Quantitating Epitope Densities of Hapten-Protein Conjugates with Sulfhydryl Linkages. <i>Bioconjugate Chemistry</i> , 2014, 25, 2112-2115.	3.6	7
23	Biomass and RRR- α -tocopherol production in <i>Stichococcus bacillaris</i> strain siva2011 in a balloon bioreactor. <i>Microbial Cell Factories</i> , 2014, 13, 79.	4.0	14
24	Isolation and characterization of chicken bile matrix metalloproteinase. <i>Poultry Science</i> , 2014, 93, 1495-1502.	3.4	3
25	Bioprocessing of <i>Stichococcus bacillaris</i> strain siva2011. <i>Biotechnology for Biofuels</i> , 2014, 7, 62.	6.2	9
26	Improved Fatty Acid Analysis of Conjugated Linoleic Acid Rich Egg Yolk Triacylglycerols and Phospholipid Species. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 6608-6615.	5.2	25
27	Progress in Dodecafluoropentane Emulsion as a Neuroprotective Agent in a Rabbit Stroke Model. <i>Molecular Neurobiology</i> , 2013, 48, 363-367.	4.0	27
28	Application of supercritical carbon dioxide-co-solvent mixtures for removal of organic material from archeological artifacts for radiocarbon dating. <i>Journal of Supercritical Fluids</i> , 2013, 79, 314-323.	3.2	10
29	Separation of xylose oligomers using centrifugal partition chromatography with a butanol-methanol-water system. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013, 40, 51-62.	3.0	14
30	Significance of 4-Phenyl-1,2,4-triazoline-3,5-dione (PTAD) in the GC-MS Identification of Conjugated Fatty Acid Positional Isomers. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2013, 90, 155-158.	1.9	7
31	Gas chromatography-mass spectrometry of JWH-018 metabolites in urine samples with direct comparison to analytical standards. <i>Forensic Science International</i> , 2013, 229, 1-6.	2.2	28
32	Effect of thiram on avian growth plate chondrocytes in culture. <i>Journal of Toxicological Sciences</i> , 2013, 38, 93-101.	1.5	29
33	Theory of the protein equilibrium population snapshot by H/D exchange electrospray ionization mass spectrometry (PEPS-HDX-ESI-MS) method used to obtain protein folding energies/rates and selected supporting experimental evidence. <i>International Journal of Mass Spectrometry</i> , 2012, 330-332, 63-70.	1.5	7
34	Therapeutic Anti-Methamphetamine Antibody Fragment-Nanoparticle Conjugates: Synthesis and <i>In Vitro</i> Characterization. <i>Bioconjugate Chemistry</i> , 2012, 23, 1864-1872.	3.6	17
35	Processing and Storage Effect on Berry Polyphenols: Challenges and Implications for Bioactive Properties. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 6678-6693.	5.2	91
36	Rapid characterization of lipids by MALDI MS. Part 2: Artifacts, ion suppression, and TLC MALDI imaging. <i>Lipid Technology</i> , 2012, 24, 36-40.	0.3	7

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37	Metabolic fingerprinting reveals a new genetic linkage between ambient pH and metabolites associated with desiccation tolerance in <i>Fusarium verticillioides</i> . <i>Metabolomics</i> , 2012, 8, 376-385.	3.0	11
38	Determination of CLA <i>trans</i> , <i>trans</i> Positional Isomerism in CLA-Rich Soy Oil by GC-MS and Silver Ion HPLC. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2012, 89, 979-985.	1.9	15
39	Rapid characterization of lipids by MALDI MS. Part 1: Bacterial taxonomy and analysis of food oils. <i>Lipid Technology</i> , 2012, 24, 11-14.	0.3	8
40	Probing the 3-D Structure, Dynamics, and Stability of Bacterial Collagenase Collagen Binding Domain (apo- versus holo-) by Limited Proteolysis MALDI-TOF MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 505-519.	2.8	12
41	Synthesis of Mercapto-(+)-methamphetamine Haptens and Their Use for Obtaining Improved Epitope Density on (+)-Methamphetamine Conjugate Vaccines. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 5221-5228.	6.4	43
42	Laser Desorption/Ionization Time-of-Flight Mass Spectrometry of Triacylglycerols and Other Components in Fingerprint Samples*. <i>Journal of Forensic Sciences</i> , 2011, 56, 381-389.	1.6	38
43	Separation and purification of xylose oligomers using centrifugal partition chromatography. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011, 38, 363-370.	3.0	19
44	SERUM PEPTIDE CHANGES IN CHICKENS WITH METABOLIC SKELETAL PROBLEMS ASSOCIATED WITH LAMENESS. , 2011, , .		0
45	Bioprocess and Bioreactor: Next Generation Technology for Production of Potential Plant-based Antidiabetic and Antioxidant Molecules. <i>Current Medicinal Chemistry</i> , 2011, 18, 79-90.	2.4	22
46	ESI-QIMS Investigation of Sr, Rb, and Crown Ether Mixture Solutions. <i>Analytical Letters</i> , 2011, 44, 2170-2181.	1.8	0
47	Bioethanol and biodiesel: Alternative liquid fuels for future generations. <i>Engineering in Life Sciences</i> , 2010, 10, 8-18.	3.6	117
48	Effect of toll-like receptor activation on thymosin beta-4 production by chicken macrophages. <i>Molecular and Cellular Biochemistry</i> , 2010, 344, 55-63.	3.1	14
49	Proteomic analysis of <i>Salmonella enterica</i> serovar Enteritidis following propionate adaptation. <i>BMC Microbiology</i> , 2010, 10, 249.	3.3	23
50	Tibial Dyschondroplasia-Associated Proteomic Changes in Chicken Growth Plate Cartilage. <i>Avian Diseases</i> , 2010, 54, 1166-1171.	1.0	13
51	Effects of level and source of oregano leaf in starter diets for broiler chicks. <i>Journal of Applied Poultry Research</i> , 2010, 19, 137-145.	1.2	27
52	Human cancer cell proliferation inhibition by a pentapeptide isolated and characterized from rice bran. <i>Peptides</i> , 2010, 31, 1629-1634.	2.4	132
53	A rapid separation technique for overcoming suppression of triacylglycerols by phosphatidylcholine using MALDI-TOF MS. <i>Journal of Lipid Research</i> , 2010, 51, 2428-2434.	4.2	35
54	Direct screening identifies mature β -defensin 2 in avian heterophils. <i>Poultry Science</i> , 2009, 88, 372-379.	3.4	16

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55	Attractants for the Green June Beetle (Coleoptera: Scarabaeidae). <i>Journal of Economic Entomology</i> , 2009, 102, 2224-2232.	1.8	14
56	Comparison of two ESI-MS based H/D exchange methods for extracting protein folding energies. <i>International Journal of Mass Spectrometry</i> , 2009, 287, 96-104.	1.5	8
57	Lipid compositions in <i>Escherichia coli</i> and <i>Bacillus subtilis</i> during growth as determined by MALDI-TOF and TOF/TOF mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2009, 283, 178-184.	1.5	130
58	Plant-based corosolic acid: Future anti-diabetic drug?. <i>Biotechnology Journal</i> , 2009, 4, 1704-1711.	3.5	33
59	Conjugated Linoleic Acid-Rich Soy Oil Triacylglycerol Identification. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 1727-1734.	5.2	6
60	Switchgrass Water Extracts: Extraction, Separation and Biological Activity of Rutin and Quercitrin. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 7763-7770.	5.2	40
61	Policosanols, α -Tocopherol, and Moisture Content as a Function of Timing of Harvest of Switchgrass (<i>Panicum virgatum</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 3500-3505.	5.2	12
62	Evaluation of beta defensin 2 production by chicken heterophils using direct MALDI mass spectrometry. <i>Molecular Immunology</i> , 2009, 46, 3151-3156.	2.2	17
63	The Synthesis of Haptens and Their Use for the Development of Monoclonal Antibodies for Treating Methamphetamine Abuse. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 7301-7309.	6.4	31
64	Lipid interactions of acylated tryptophan-methylated lactoferricin peptides by solid-state NMR. <i>Journal of Peptide Science</i> , 2008, 14, 1103-1110.	1.4	6
65	Dynamics of saxitoxin binding to saxiphilin c-lobe reveals conformational change. <i>Toxicon</i> , 2008, 51, 208-217.	1.6	5
66	Ellagitannin Composition of Blackberry As Determined by HPLC-ESI-MS and MALDI-TOF-MS. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 661-669.	5.2	169
67	Structures of Pahayokolides A and B, Cyclic Peptides from a <i>Lyngbya</i> sp.. <i>Journal of Natural Products</i> , 2007, 70, 730-735.	3.0	47
68	Effects of Processing Methods on the Proximate Composition and Momordicosides K and L Content of Bitter Melon Vegetable. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 5827-5833.	5.2	22
69	Identification and quantification of glycoside flavonoids in the energy crop <i>Albizia julibrissin</i> . <i>Bioresource Technology</i> , 2007, 98, 429-435.	9.6	35
70	Reducing fragmentation observed in the matrix-assisted laser desorption/ionization time-of-flight mass spectrometric analysis of triacylglycerols in vegetable oils. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 1951-1957.	1.5	63
71	Identification and Characterization of Thymosin beta-4 in Chicken Macrophages Using Whole Cell MALDI-TOF. <i>Annals of the New York Academy of Sciences</i> , 2007, 1112, 425-434.	3.8	18
72	Differential Expression of Mitochondrial and Extramitochondrial Proteins in Lymphocytes of Male Broilers with Low and High Feed Efficiency. <i>Poultry Science</i> , 2006, 85, 2251-2259.	3.4	23

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73	Rapid characterization of edible oils by direct matrix-assisted laser desorption/ionization time-of-flight mass spectrometry analysis using triacylglycerols. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 952-958.	1.5	63
74	Problems with the "omics": TrAC - Trends in Analytical Chemistry, 2006, 25, 1046-1056.	11.4	99
75	An Introduction to MALDI-TOF MS. , 2006, , 39-60.		5
76	MALDI-TOF Mass Spectrometry of Intact Bacteria. , 2006, , 125-152.		4
77	Ionic liquid matrix-induced metastable decay of peptides and oligonucleotides and stabilization of phospholipids in MALDI FTMS analyses. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 2000-2008.	2.8	47
78	A Glycoside Flavonoid in Kudzu (<l>Pueraria lobata</l>): Identification, Quantification, and Determination of Antioxidant Activity. <i>Applied Biochemistry and Biotechnology</i> , 2005, 123, 0783-0794.	2.9	16
79	Real-Time Monitoring of Recombinant Bacterial Proteins by Mass Spectrometry. <i>Biotechnology Progress</i> , 2005, 21, 1754-1758.	2.6	13
80	A Glycoside Flavonoid in Kudzu (Pueraria lobata). , 2005, , 783-794.		0
81	Extraction of Antioxidant Compounds from Energy Crops. <i>Applied Biochemistry and Biotechnology</i> , 2004, 114, 569-584.	2.9	24
82	PREDICTING TOXIC EQUIVALENCE FACTORS FROM 13C NUCLEAR MAGNETIC RESONANCE SPECTRA FOR DIOXINS, FURANS, AND POLYCHLORINATED BIPHENYLS USING LINEAR AND NONLINEAR PATTERN RECOGNITION METHODS. <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 24.	4.3	2
83	Strategies and data analysis techniques for lipid and phospholipid chemistry elucidation by intact cell MALDI-FTMS. <i>Journal of the American Society for Mass Spectrometry</i> , 2004, 15, 1665-1674.	2.8	75
84	Lactoperoxidase-Catalyzed Activation of Carcinogenic Aromatic and Heterocyclic Amines. <i>Chemical Research in Toxicology</i> , 2004, 17, 1659-1666.	3.3	55
85	Experimental factors affecting the quality and reproducibility of MALDI TOF mass spectra obtained from whole bacteria cells. <i>Journal of the American Society for Mass Spectrometry</i> , 2003, 14, 342-351.	2.8	194
86	Use of double-depleted 13C and 15N culture media for analysis of whole cell bacteria by MALDI time-of-flight and Fourier transform mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2003, 14, 1306-1314.	2.8	28
87	Investigation of MALDI-TOF and FT-MS Techniques for Analysis of Escherichia coli Whole Cells. <i>Analytical Chemistry</i> , 2003, 75, 1340-1347.	6.5	96
88	Formation of Conjugates from Ciprofloxacin and Norfloxacin in Cultures of Trichoderma viride. <i>Mycologia</i> , 2002, 94, 1.	1.9	8
89	Comparative Structural Connectivity Spectra Analysis (CoSCoSA) Models of Steroid Binding to the Corticosteroid Binding Globulin. <i>Journal of Chemical Information and Computer Sciences</i> , 2002, 42, 1123-1131.	2.8	20
90	Isolation of an anaerobic intestinal bacterium capable of cleaving the C-ring of the isoflavonoid daidzein. <i>Archives of Microbiology</i> , 2002, 178, 8-12.	2.2	116

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91	Formation of conjugates from ciprofloxacin and norfloxacin in cultures of <i>Trichoderma viride</i> . <i>Mycologia</i> , 2002, 94, 1-5.	1.9	6
92	Use of ¹³ C NMR Spectrometric Data To Produce a Predictive Model of Estrogen Receptor Binding Activity. <i>Journal of Chemical Information and Computer Sciences</i> , 2001, 41, 219-224.	2.8	31
93	¹³ C NMR Quantitative Spectrometric Data-Activity Relationship (QSDAR) Models of Steroids Binding the Aromatase Enzyme. <i>Journal of Chemical Information and Computer Sciences</i> , 2001, 41, 1360-1366.	2.8	38
94	MALDI-TOF mass spectrometry of bacteria. <i>Mass Spectrometry Reviews</i> , 2001, 20, 172-194.	5.4	463
95	Fragmentation and charge transfer in gas-phase complexes of divalent metal ions with acetonitrile. <i>Chemical Physics Letters</i> , 2001, 350, 216-224.	2.6	43
96	Metabolism of the veterinary fluoroquinolone sarafloxacin by the fungus <i>Mucor ramannianus</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2001, 26, 140-144.	3.0	31
97	Matrix-assisted laser desorption/ionization time-of-flight mass spectrometric detection of bacterial biomarker proteins isolated from contaminated water, lettuce and cotton cloth. , 2000, 14, 911-917.		35
98	Di- ^{1/4} -halo-bis{ [tris(2-pyridylmethyl)amine- ¹⁴ N]nickel(II)} bis(triethylammonium) tetraperchlorate: Magnetostructural studies. <i>Inorganica Chimica Acta</i> , 2000, 300-302, 855-861.	2.4	15
99	Evaluation of major active components in St. John's Wort dietary supplements by high-performance liquid chromatography with photodiode array detection and electrospray mass spectrometric confirmation. <i>Journal of Chromatography A</i> , 2000, 888, 85-92.	3.7	80
100	MALDI-TOF mass spectrometry and bacterial taxonomy. <i>TrAC - Trends in Analytical Chemistry</i> , 2000, 19, 507-516.	11.4	75
101	¹³ C NMR and Electron Ionization Mass Spectrometric Data-Activity Relationship Model of Estrogen Receptor Binding. <i>Toxicology and Applied Pharmacology</i> , 2000, 169, 17-25.	2.8	18
102	Isolation of human intestinal bacteria metabolizing the natural isoflavone glycosides daidzin and genistin. <i>Archives of Microbiology</i> , 2000, 174, 422-428.	2.2	238
103	Microbiological Transformation of Enrofloxacin by the Fungus <i>Mucor ramannianus</i> . <i>Applied and Environmental Microbiology</i> , 2000, 66, 2664-2667.	3.1	72
104	Rapid Identification of Bacteria Based on Spectral Patterns Using MALDI-TOFMS. , 2000, 146, 461-487.		28
105	Producing ¹³ C NMR, Infrared Absorption, and Electron Ionization Mass Spectrometric Data Models of the Monodechlorination of Chlorobenzenes, Chlorophenols, and Chloroanilines. <i>Journal of Chemical Information and Computer Sciences</i> , 2000, 40, 1449-1455.	2.8	15
106	Liquid Chromatographic Analysis of Incurred Amoxicillin Residues in Catfish Muscle Following Oral Administration of the Drug. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 1673-1677.	5.2	24
107	Regioselective transformation of ciprofloxacin to N-acetylciprofloxacin by the fungus <i>Mucor ramannianus</i> . <i>FEMS Microbiology Letters</i> , 1999, 177, 131-135.	1.8	64
108	Identification of Bacterial Proteins Observed in MALDI TOF Mass Spectra from Whole Cells. <i>Analytical Chemistry</i> , 1999, 71, 3226-3230.	6.5	133

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109	Regioselective transformation of ciprofloxacin to N-acetylciprofloxacin by the fungus <i>Mucor ramannianus</i> . <i>FEMS Microbiology Letters</i> , 1999, 177, 131-135.	1.8	1
110	A simple procedure for solid-phase synthesis of peptide nucleic acids with N-terminal cysteine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1998, 8, 2231-2234.	2.2	18
111	Immunochemical, ³² P-postlabeling, and GC/MS detection of 4-aminobiphenyl-DNA adducts in human peripheral lung in relation to metabolic activation pathways involving pulmonary N-oxidation, conjugation, and peroxidation. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1997, 378, 97-112.	1.0	69
112	Detection and Confirmation of N-Nitrosodialkylamines Using Liquid Chromatography-Electrospray Ionization Coupled On-Line with a Photolysis Reactor. <i>Analytical Chemistry</i> , 1996, 68, 546-552.	6.5	11
113	Characterization of Nitrosation Products in Cosmetics Raw Materials by Liquid Chromatography/Mass Spectrometry Techniques. , 1996, 10, 715-720.		3
114	Rapid Identification of Intact Whole Bacteria Based on Spectral Patterns using Matrix-assisted Laser Desorption/Ionization with Time-of-flight Mass Spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1996, 10, 1227-1232.	1.5	559
115	Haemoglobin adducts as biomarkers of exposure to the herbicides propanil and fluometuron. <i>Biomarkers</i> , 1996, 1, 136-140.	1.9	5
116	Determination of Underivatized Fumonisin B1 and Related Compounds by HPLC. <i>Advances in Experimental Medicine and Biology</i> , 1996, 392, 93-103.	1.6	6
117	Particle size distribution is not the major factor explaining variable analyte transmission efficiency in liquid chromatography/particle beam/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1995, 9, 133-137.	1.5	14
118	AC corona-discharge aerosol-neutralization device adapted to liquid chromatography/particle beam/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1995, 9, 138-142.	1.5	16
119	Low energy tandem mass spectrometry of deoxynucleoside adducts of polycyclic aromatic hydrocarbon dihydrodiol-epoxides. <i>Journal of the American Society for Mass Spectrometry</i> , 1995, 6, 248-256.	2.8	9
120	Differentiation of isomeric C8- and N2-deoxyguanosine adducts of 2-acetylaminofluorene by fast-atom bombardment and tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1994, 5, 58-63.	2.8	6
121	Analysis of 4-Aminobiphenyl-DNA Adducts in Human Urinary Bladder and Lung by Alkaline Hydrolysis and Negative Ion Gas Chromatography-Mass Spectrometry. <i>Environmental Health Perspectives</i> , 1994, 102, 11.	6.0	39
122	DNA Adducts and Carcinogenicity of Nitro-Polycyclic Aromatic Hydrocarbons. <i>Environmental Health Perspectives</i> , 1994, 102, 177.	6.0	22
123	Identification of a Novel, N7-Deoxyguanosine Adduct as the Major DNA Adduct Formed by a Non-Bay-Region Diol Epoxide of Benzo[a]pyrene with Low Mutagenic Potential. <i>Biochemistry</i> , 1994, 33, 2977-2987.	2.5	17
124	HPLC and FAB mass spectrometry analysis of fumonisins B1 and B2 produced by <i>Fusarium moniliforme</i> on food substrates. <i>Journal of Agricultural and Food Chemistry</i> , 1993, 41, 357-360.	5.2	35
125	Detection and Characterization of DNA Adducts at the Femtomole Level by Desorption Ionization Mass Spectrometry. <i>Environmental Health Perspectives</i> , 1993, 99, 191.	6.0	1
126	Metabolism of methapyrilene by Fischer-344 rat and B6C3F1 mouse hepatocytes. <i>Xenobiotica</i> , 1992, 22, 1367-1381.	1.1	14

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127	Characterization of DNA adducts formed in vitro by reaction of N-hydroxy-2-amino-3-methylimidazo[4,5-f]quinoline and N-hydroxy-2-amino-3,8-dimethylimidazo[4,5-f]quinoxaline at the C-8 and N2 atoms of guanine. <i>Chemical Research in Toxicology</i> , 1992, 5, 479-490.	3.3	148
128	Identification of N-(deoxyguanosin-8-yl)-2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine as the major adduct formed by the food-borne carcinogen, 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine, with DNA. <i>Chemical Research in Toxicology</i> , 1992, 5, 691-697.	3.3	175
129	Thermospray high-performance liquid chromatography/mass spectrometric determination of cyclosporins. <i>Rapid Communications in Mass Spectrometry</i> , 1992, 6, 684-689.	1.5	14
130	Development of fast atom bombardment mass spectral methods for the identification of carcinogen-nucleoside adducts. <i>Journal of the American Society for Mass Spectrometry</i> , 1992, 3, 360-371.	2.8	33
131	Mass spectrometry for the analysis of carcinogen-DNA adducts. <i>Mass Spectrometry Reviews</i> , 1992, 11, 447-493.	5.4	58
132	Characterization of the mycotoxin fumonishin B1: Comparison of thermospray, fast-atom bombardment and electrospray mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1991, 5, 463-468.	1.5	39
133	Formation of C8-modified deoxyguanosine and C8-modified deoxyadenosine as major DNA adducts from 2-nitropyrene metabolism mediated by rat and mouse liver microsomes and cytosols. <i>Carcinogenesis</i> , 1991, 12, 609-616.	2.8	31
134	Fast atom bombardment mass spectrometry of disaccharide polyether polyols. <i>Journal of Applied Polymer Science</i> , 1990, 41, 2595-2601.	2.6	0
135	Metabolism of Doxylamine Succinate in Fischer 344 Rats Part III: Conjugated Urinary and Fecal Metabolites. <i>Journal of Analytical Toxicology</i> , 1990, 14, 247-251.	2.8	2
136	Identification of the glutathione conjugate of 4-nitroquinoline 1-oxide formed in the reaction catalyzed by murine glutathione transferases. <i>Carcinogenesis</i> , 1989, 10, 587-591.	2.8	15
137	Characterization of seven antihistamines, their N-oxides and related metabolites by fast atom bombardment mass spectrometry and fast atom bombardment tandem mass spectrometry. <i>Biomedical & Environmental Mass Spectrometry</i> , 1989, 18, 157-167.	1.6	10
138	Fast-atom bombardment and thermospray mass spectrometry for the characterization of two glucuronide metabolites of methapyrilene. <i>Rapid Communications in Mass Spectrometry</i> , 1989, 3, 72-75.	1.5	9
139	Covalent binding of 4,4'-methylenebis-(2-chloroaniline) to rat liver dna in vivo and of its n-hydroxylated derivative to DNA In vitro. <i>Biochemical Pharmacology</i> , 1989, 38, 279-287.	4.4	30
140	Synthesis of (1Z, 3Z)-1, 4-dibromobutadiene, (1Z, 3Z)-1-bromo-4-lithiobutadiene and (1Z, 3Z)-1, 4-dilithiobutadiene; structure of (1Z, 3Z)-(1-5-C5H5)Fe(CO)2CH=CHCH=CHBr. <i>Journal of Organometallic Chemistry</i> , 1988, 339, 1-6.	1.8	12
141	Preparation and reaction with difluorotrimethylsilicate anion of an iron [(trimethylsilyl)vinyl]carbene complex. Unprecedented and highly stereoselective silicon-to-carbon methyl migration. <i>Organometallics</i> , 1988, 7, 787-789.	2.3	8
142	A probe for the mutagenic activity of the carcinogen 4-aminobiphenyl: synthesis and characterization of an M13mp10 genome containing the major carcinogen-DNA adduct at a unique site. <i>Biochemistry</i> , 1987, 26, 3072-3081.	2.5	38
143	Identification of C8-modified deoxyinosine and N2- and C8-modified deoxyguanosine as major products of the in vitro reaction of N-hydroxy-6-aminochrysene with DNA and the formation of these adducts in isolated rat hepatocytes treated with 6-nitrochrysene and 6-aminochrysene. <i>Carcinogenesis</i> , 1987, 8, 1703-1709.	2.8	63
144	Fast atom bombardment mass spectrometry and fast atom bombardment mass spectrometry/mass spectrometry of three glutathione conjugates of acetaminophen. <i>Biomedical & Environmental Mass Spectrometry</i> , 1987, 14, 517-521.	1.6	14

#	ARTICLE	IF	CITATIONS
145	Direct analysis of rat bile for acetaminophen and two of its conjugated metabolites via thermospray liquid chromatography/mass spectrometry. <i>Biomedical & Environmental Mass Spectrometry</i> , 1987, 14, 705-709.	1.6	24
146	The binding of an aminoazo dye carcinogen to a specific methionine residue in rat liver alcohol dehydrogenase in vivo. <i>Chemico-Biological Interactions</i> , 1987, 64, 181-192.	4.0	4
147	High-Resolution electron impact mass spectrometry of five novel organoiron complexes. <i>Organic Mass Spectrometry</i> , 1986, 21, 371-374.	1.3	2
148	High resolution mass spectrometric and high-field nuclear magnetic resonance spectroscopic studies of the herbicide propanil, its N-oxidative decomposition products and related compounds. <i>Biological Mass Spectrometry</i> , 1986, 13, 495-502.	0.5	9
149	Desorption chemical ionization and fast atom bombardment mass spectrometric studies of the glucuronide metabolites of doxylamine. <i>Biological Mass Spectrometry</i> , 1986, 13, 627-632.	0.5	10
150	Direct analysis of thin-layer chromatography spots by fast atom bombardment mass spectrometry. <i>Analytical Chemistry</i> , 1984, 56, 109-111.	6.5	79
151	2,3,7,8-Tetrachlorodibenzo-p-dioxin levels in adipose tissue of Vietnam veterans. <i>Environmental Research</i> , 1984, 33, 261-268.	7.5	76
152	A field ionization and collisionally activated dissociation/charge stripping study of some $[C_9H_{10}]^+E^+$ ions. <i>Organic Mass Spectrometry</i> , 1983, 18, 16-21.	1.3	40
153	Gas-phase derivatization for determination of the structures of $C_3H_5^+$ ions. <i>Journal of the American Chemical Society</i> , 1983, 105, 3445-3451.	13.7	31
154	Persistence of TCDD in monkey adipose tissue. <i>Food and Chemical Toxicology</i> , 1982, 20, 985-986.	3.6	31
155	Electrophilic aromatic substitution: comparison of gas-phase and solution chemistry. <i>Journal of the Chemical Society Chemical Communications</i> , 1982, , 970.	2.0	7