

Jackson O Lay

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8995134/publications.pdf>

Version: 2024-02-01

155
papers

5,943
citations

94433

37
h-index

85541

71
g-index

158
all docs

158
docs citations

158
times ranked

5789
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	MALDI-TOF mass spectrometry of bacteria. <i>Mass Spectrometry Reviews</i> , 2001, 20, 172-194.	5.4	463
3	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
4	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
5	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
6	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
7	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
8	Identification of Bacterial Proteins Observed in MALDI TOF Mass Spectra from Whole Cells. <i>Analytical Chemistry</i> , 1999, 71, 3226-3230.	6.5	133
9	Human cancer cell proliferation inhibition by a pentapeptide isolated and characterized from rice bran. <i>Peptides</i> , 2010, 31, 1629-1634.	2.4	132
10	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
11	Bioethanol and biodiesel: Alternative liquid fuels for future generations. <i>Engineering in Life Sciences</i> , 2010, 10, 8-18.	3.6	117
12	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
13	Problems with the "omics" TrAC - Trends in Analytical Chemistry, 2006, 25, 1046-1056.	11.4	99
14	Investigation of MALDI-TOF and FT-MS Techniques for Analysis of <i>Escherichia coli</i> Whole Cells. <i>Analytical Chemistry</i> , 2003, 75, 1340-1347.	6.5	96
15	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
16	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
17	Direct analysis of thin-layer chromatography spots by fast atom bombardment mass spectrometry. <i>Analytical Chemistry</i> , 1984, 56, 109-111.	6.5	79
18	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

#	ARTICLE	IF	CITATIONS
19	MALDI-TOF mass spectrometry and bacterial taxonomy. <i>TrAC - Trends in Analytical Chemistry</i> , 2000, 19, 507-516.	11.4	75
20	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
21	Microbiological Transformation of Enrofloxacin by the Fungus <i>Mucor ramannianus</i> . <i>Applied and Environmental Microbiology</i> , 2000, 66, 2664-2667.	3.1	72
22	Immunochemical, 32P-postlabeling, and GC/MS detection of 4-aminobiphenylâ€“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
23	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
24	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
25	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
26	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
27	Mass spectrometry for the analysis of carcinogen-DNA adducts. <i>Mass Spectrometry Reviews</i> , 1992, 11, 447-493.	5.4	58
28	Lactoperoxidase-Catalyzed Activation of Carcinogenic Aromatic and Heterocyclic Amines. <i>Chemical Research in Toxicology</i> , 2004, 17, 1659-1666.	3.3	55
29	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
30	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
31	Chicken Egg Shell Membrane Associated Proteins and Peptides. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 9888-9898.	5.2	45
32	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
33	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
34	A field ionization and collisionally activated dissociation/charge stripping study of some [C ₉ H ₁₀] ⁺ ions. <i>Organic Mass Spectrometry</i> , 1983, 18, 16-21.	1.3	40
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	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
41	A Comprehensive Assessment of the Genetic Determinants in <i>Salmonella Typhimurium</i> for Resistance to Hydrogen Peroxide Using Proteogenomics. <i>Scientific Reports</i> , 2017, 7, 17073.	3.3	36
42	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
43	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
44	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
45	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
46	Changes in polyphenolics during maturation of Java plum (<i>Syzygium cumini</i> Lam.). <i>Food Research International</i> , 2017, 100, 385-391.	6.2	34
47	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
48	Plant-based corosolic acid: Future anti-diabetic drug?. <i>Biotechnology Journal</i> , 2009, 4, 1704-1711.	3.5	33
49	Cold tolerance response mechanisms revealed through comparative analysis of gene and protein expression in multiple rice genotypes. <i>PLoS ONE</i> , 2019, 14, e0218019.	2.5	33
50	Persistence of TCDD in monkey adipose tissue. <i>Food and Chemical Toxicology</i> , 1982, 20, 985-986.	3.6	31
51	Gas-phase derivatization for determination of the structures of C ₃ H ₅ ⁺ ions. <i>Journal of the American Chemical Society</i> , 1983, 105, 3445-3451.	13.7	31
52	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
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	Effect of thiram on avian growth plate chondrocytes in culture. <i>Journal of Toxicological Sciences</i> , 2013, 38, 93-101.	1.5	29
58	Rapid Identification of Bacteria Based on Spectral Patterns Using MALDI-TOFMS. , 2000, 146, 461-487.		28
59	Use of double-depleted ¹³ C and ¹⁵ N 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
60	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
61	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
62	Progress in Dodecafluoropentane Emulsion as a Neuroprotective Agent in a Rabbit Stroke Model. <i>Molecular Neurobiology</i> , 2013, 48, 363-367.	4.0	27
63	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
64	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
65	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
66	Extraction of Antioxidant Compounds from Energy Crops. <i>Applied Biochemistry and Biotechnology</i> , 2004, 114, 569-584.	2.9	24
67	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
68	Proteomic analysis of Salmonella enterica serovar Enteritidis following propionate adaptation. <i>BMC Microbiology</i> , 2010, 10, 249.	3.3	23
69	DNA Adducts and Carcinogenicity of Nitro-Polycyclic Aromatic Hydrocarbons. <i>Environmental Health Perspectives</i> , 1994, 102, 177.	6.0	22
70	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
71	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
72	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

#	ARTICLE	IF	CITATIONS
73	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
74	A method to culture chicken enterocytes and their characterization. <i>Poultry Science</i> , 2018, 97, 4040-4047.	3.4	19
75	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
76	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
77	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
78	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
79	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
80	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
81	Purification and characterization of a peptide from soybean with cancer cell proliferation inhibition. <i>Journal of Food Biochemistry</i> , 2017, 41, e12374.	2.9	17
82	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
83	A Glycoside Flavonoid in Kudzu (<i>Pueraria lobata</i>): Identification, Quantification, and Determination of Antioxidant Activity. <i>Applied Biochemistry and Biotechnology</i> , 2005, 123, 0783-0794.	2.9	16
84	Direct screening identifies mature β -defensin 2 in avian heterophils. <i>Poultry Science</i> , 2009, 88, 372-379.	3.4	16
85	Ascorbic acid-catalyzed degradation of cyanidin-3-O- β -glucoside: Proposed mechanism and identification of a novel hydroxylated product. <i>Journal of Berry Research</i> , 2016, 6, 175-187.	1.4	16
86	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
87	Di- μ -4-halo-bis{[tris(2-pyridylmethyl)amine- δ ⁴ N]nickel(II)} bis(triethylammonium) tetraperchlorate: Magnetostructural studies. <i>Inorganica Chimica Acta</i> , 2000, 300-302, 855-861.	2.4	15
88	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
89	Determination of CLA <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
90	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
91	Metabolism of methapyrilene by Fischer-344 rat and B6C3F1 mouse hepatocytes. <i>Xenobiotica</i> , 1992, 22, 1367-1381.	1.1	14
92	Thermospray high-performance liquid chromatography/mass spectrometric determination of cyclosporins. <i>Rapid Communications in Mass Spectrometry</i> , 1992, 6, 684-689.	1.5	14
93	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
94	Attractants for the Green June Beetle (Coleoptera: Scarabaeidae). <i>Journal of Economic Entomology</i> , 2009, 102, 2224-2232.	1.8	14
95	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
96	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
97	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
98	Real-Time Monitoring of Recombinant Bacterial Proteins by Mass Spectrometry. <i>Biotechnology Progress</i> , 2005, 21, 1754-1758.	2.6	13
99	Tibial Dyschondroplasia-Associated Proteomic Changes in Chicken Growth Plate Cartilage. <i>Avian Diseases</i> , 2010, 54, 1166-1171.	1.0	13
100	Proteomic Changes in the Plasma of Broiler Chickens with Femoral Head Necrosis. <i>Biomarker Insights</i> , 2016, 11, BMI.S38291.	2.5	13
101	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=CH=CHBr. <i>Journal of Organometallic Chemistry</i> , 1988, 339, 1-6.	1.8	12
102	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
103	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
104	Phorbol 12-Myristate 13-Acetate-Induced Changes in Chicken Enterocytes. <i>Proteomics Insights</i> , 2019, 10, 117864181984036.	2.0	12
105	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
106	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
107	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
108	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

#	ARTICLE	IF	CITATIONS
109	Application of supercritical carbon dioxideâ€“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
110	Proteomic Changes in Chicken Plasma Induced by <i>Salmonella typhimurium</i> Lipopolysaccharides. <i>Proteomics Insights</i> , 2016, 7, PRI.S31609.	2.0	10
111	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
112	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
113	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
114	Bioprocessing of <i>Stichococcus bacillaris</i> strain siva2011. <i>Biotechnology for Biofuels</i> , 2014, 7, 62.	6.2	9
115	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
116	The Arabidopsis Proteins AtNHR2A and AtNHR2B Are Multi-Functional Proteins Integrating Plant Immunity With Other Biological Processes. <i>Frontiers in Plant Science</i> , 2020, 11, 232.	3.6	9
117	Matrixâ€“assisted ionization Fourier transform mass spectrometry for the analysis of lipids. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e8349.	1.5	9
118	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
119	Formation of Conjugates from Ciprofloxacin and Norfloxacin in Cultures of <i>Trichoderma viride</i> . <i>Mycologia</i> , 2002, 94, 1.	1.9	8
120	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
121	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
122	Electrophilic aromatic substitution: comparison of gas-phase and solution chemistry. <i>Journal of the Chemical Society Chemical Communications</i> , 1982, , 970.	2.0	7
123	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
124	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
125	Significance of 4â€“Phenylâ€“1,2,4â€“triazolineâ€“3,5â€“dione (PTAD) in the GCâ€“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
126	Simple Radiometric Method for Accurately Quantitating Epitope Densities of Haptenâ€“Protein Conjugates with Sulfhydryl Linkages. <i>Bioconjugate Chemistry</i> , 2014, 25, 2112-2115.	3.6	7

#	ARTICLE	IF	CITATIONS
127	Differentiation of isomeric C8- and N 2-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
128	Lipid interactions of acylated tryptophan- ϵ -methylated lactoferricin peptides by solid-state NMR. <i>Journal of Peptide Science</i> , 2008, 14, 1103-1110.	1.4	6
129	Conjugated Linoleic Acid-Rich Soy Oil Triacylglycerol Identification. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 1727-1734.	5.2	6
130	Metal-free and benign approach for the synthesis of dihydro-5 <i>H</i> -spiro[benzo[<i>c</i>]chromene-8,4 <i>H</i> -oxazole]-5,6(7 <i>H</i>)-dione scaffolds as masked amino acids. <i>Green Chemistry</i> , 2019, 21, 2656-2661.	6.0	6
131	Microdialysis Sampling of Quorum Sensing Homoserine Lactones during Biofilm Formation. <i>Analytical Chemistry</i> , 2019, 91, 3964-3970.	6.5	6
132	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
133	Formation of conjugates from ciprofloxacin and norfloxacin in cultures of <i>Trichoderma viride</i> . <i>Mycologia</i> , 2002, 94, 1-5.	1.9	6
134	Haemoglobin adducts as biomarkers of exposure to the herbicides propanil and fluometuron. <i>Biomarkers</i> , 1996, 1, 136-140.	1.9	5
135	An Introduction to MALDI-TOF MS. , 2006, , 39-60.		5
136	Dynamics of saxitoxin binding to saxiphilin c-lobe reveals conformational change. <i>Toxicon</i> , 2008, 51, 208-217.	1.6	5
137	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
138	MALDI-TOF Mass Spectrometry of Intact Bacteria. , 2006, , 125-152.		4
139	Isolation and Characterization of Chicken Yolk Vitelline Membrane Lipids Using Eggs Enriched With Conjugated Linoleic Acid. <i>Lipids</i> , 2016, 51, 769-779.	1.7	4
140	Characterization of Nitrosation Products in Cosmetics Raw Materials by Liquid Chromatography/Mass Spectrometry Techniques. , 1996, 10, 715-720.		3
141	Isolation and characterization of chicken bile matrix metalloproteinase. <i>Poultry Science</i> , 2014, 93, 1495-1502.	3.4	3
142	Using MALDI MS for rapid analysis of food lipids. <i>Lipid Technology</i> , 2015, 27, 255-257.	0.3	3
143	High-Resolution electron impact mass spectrometry of five novel organoiron complexes. <i>Organic Mass Spectrometry</i> , 1986, 21, 371-374.	1.3	2
144	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

#	ARTICLE	IF	CITATIONS
145	PREDICTING TOXIC EQUIVALENCE FACTORS FROM ¹³ C 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
146	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. <i>Mass Spectrometry Reviews</i> , 2021, 40, 236-254.	5.4	2
147	Development of Biodegradable/Biocompatible Nanoliposome-Encapsulated Antimicrobial Essential Oils for Topical Creams and Gels. <i>ACS Omega</i> , 2022, 7, 23875-23889.	3.5	2
148	Formation, Tentative Mass Spectrometric Identification, and Color Stability of Acetaldehyde-Catalyzed Condensation of Red Radish (<i>Raphanus sativus</i>) Anthocyanins and (+) Catechin. <i>Beverages</i> , 2019, 5, 64.	2.8	1
149	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
150	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
151	Fast atom bombardment mass spectrometry of disaccharide polyether polyols. <i>Journal of Applied Polymer Science</i> , 1990, 41, 2595-2601.	2.6	0
152	SERUM PEPTIDE CHANGES IN CHICKENS WITH METABOLIC SKELETAL PROBLEMS ASSOCIATED WITH LAMENESS. , 2011, , .		0
153	ESI-QIMS Investigation of Sr, Rb, and Crown Ether Mixture Solutions. <i>Analytical Letters</i> , 2011, 44, 2170-2181.	1.8	0
154	Thymosin β 4 dynamics during chicken enteroid development. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 1303-1312.	3.1	0
155	A Glycoside Flavonoid in Kudzu (<i>Pueraria lobata</i>). , 2005, , 783-794.		0