

Arthur D Jones

List of Publications by Year in descending order

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298
papers

16,208
citations

16451

64
h-index

23533

111
g-index

312
all docs

312
docs citations

312
times ranked

17384
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of nitric oxide-derived inflammatory oxidants by myeloperoxidase in neutrophils. <i>Nature</i> , 1998, 391, 393-397.	27.8	1,452
2	Hydrodechlorination of Trichloroethylene to Hydrocarbons Using Bimetallic Nickel-iron Nanoparticles. <i>Chemistry of Materials</i> , 2002, 14, 5140-5147.	6.7	526
3	Formation of Nitrating and Chlorinating Species by Reaction of Nitrite with Hypochlorous Acid. <i>Journal of Biological Chemistry</i> , 1996, 271, 19199-19208.	3.4	408
4	Steroid induced exocytosis: The human sperm acrosome reaction. <i>Biochemical and Biophysical Research Communications</i> , 1989, 160, 828-833.	2.1	396
5	Regulation and Function of Arabidopsis <i>JASMONATE ZIM</i> -Domain Genes in Response to Wounding and Herbivory. <i>Plant Physiology</i> , 2008, 146, 952-964.	4.8	385
6	A rapid wound signal activates the systemic synthesis of bioactive jasmonates in Arabidopsis. <i>Plant Journal</i> , 2009, 59, 974-986.	5.7	370
7	Emission Factors for Polycyclic Aromatic Hydrocarbons from Biomass Burning. <i>Environmental Science & Technology</i> , 1996, 30, 2462-2469.	10.0	340
8	Hopanoid lipids compose the Frankia vesicle envelope, presumptive barrier of oxygen diffusion to nitrogenase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 6091-6094.	7.1	263
9	Multifaceted characterization of cell wall decomposition products formed during ammonia fiber expansion (AFEX) and dilute acid based pretreatments. <i>Bioresource Technology</i> , 2010, 101, 8429-8438.	9.6	242
10	Cholesterol Oxides in Foods of Animal Origin. <i>Journal of Food Science</i> , 1995, 60, 1159-1174.	3.1	224
11	The Flavonoid Biosynthetic Enzyme Chalcone Isomerase Modulates Terpenoid Production in Glandular Trichomes of Tomato. <i>Plant Physiology</i> , 2014, 164, 1161-1174.	4.8	184
12	Mass spectrometry screening reveals widespread diversity in trichome specialized metabolites of tomato chromosomal substitution lines. <i>Plant Journal</i> , 2010, 62, 391-403.	5.7	178
13	Lipoyl Synthase Requires Two Equivalents of S-Adenosyl-L-methionine To Synthesize One Equivalent of Lipic Acid. <i>Biochemistry</i> , 2004, 43, 6378-6386.	2.5	175
14	CsrA Regulates Translation of the Escherichia coli Carbon Starvation Gene, <i>cstA</i> , by Blocking Ribosome Access to the <i>cstA</i> Transcript. <i>Journal of Bacteriology</i> , 2003, 185, 4450-4460.	2.2	174
15	Comparative Functional Genomic Analysis of <i>Solanum</i> Glandular Trichome Types. <i>Plant Physiology</i> , 2011, 155, 524-539.	4.8	168
16	"Analogous" Organic Synthesis of Small-Compound Libraries: Validation of Combinatorial Chemistry in Small-Molecule Synthesis. <i>Journal of the American Chemical Society</i> , 1994, 116, 2661-2662.	13.7	156
17	Constitutive activation of the jasmonate signaling pathway enhances the production of secondary metabolites in tomato. <i>FEBS Letters</i> , 2006, 580, 2540-2546.	2.8	155
18	Lipids of marine Archaea: Patterns and provenance in the water-column and sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 3272-3291.	3.9	149

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19	Particle concentrations, gas-particle partitioning, and species intercorrelations for Polycyclic Aromatic Hydrocarbons (PAH) emitted during biomass burning. <i>Atmospheric Environment</i> , 1996, 30, 3825-3835.	4.1	148
20	Direct Characterization of Protein Adducts of the Lipid Peroxidation Product 4-Hydroxy-2-nonenal Using Electrospray Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 1995, 8, 552-559.	3.3	144
21	The Tomato <i>odorless-2</i> Mutant Is Defective in Trichome-Based Production of Diverse Specialized Metabolites and Broad-Spectrum Resistance to Insect Herbivores. <i>Plant Physiology</i> , 2010, 154, 262-272.	4.8	132
22	The carcinogenic potential of the gas phase of environmental tobacco smoke. <i>Carcinogenesis</i> , 1997, 18, 2035-2042.	2.8	128
23	A Small ATPase Protein of Arabidopsis, TGD3, Involved in Chloroplast Lipid Import. <i>Journal of Biological Chemistry</i> , 2007, 282, 35945-35953.	3.4	127
24	Distortion of trichome morphology by the hairless mutation of tomato affects leaf surface chemistry. <i>Journal of Experimental Botany</i> , 2010, 61, 1053-1064.	4.8	127
25	Recruitment of a Foreign Quinone into the A1 Site of Photosystem I. <i>Journal of Biological Chemistry</i> , 2000, 275, 8523-8530.	3.4	123
26	Plastochromanol-8 and tocopherols are essential lipid-soluble antioxidants during seed desiccation and quiescence in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17815-17820.	7.1	119
27	A Genetic Screen Reveals Arabidopsis Stomatal and/or Apoplastic Defenses against <i>Pseudomonas syringae</i> pv. <i>tomato</i> DC3000. <i>PLoS Pathogens</i> , 2011, 7, e1002291.	4.7	118
28	Towards the plant metabolome and beyond. <i>Nature Reviews Molecular Cell Biology</i> , 2007, 8, 167-174.	37.0	110
29	Changes in myosin structure and function in response to glycation. <i>FASEB Journal</i> , 2001, 15, 2415-2422.	0.5	108
30	Functionally Divergent Alleles and Duplicated Loci Encoding an Acyltransferase Contribute to Acylsugar Metabolite Diversity in <i>Solanum</i> Trichomes. <i>Plant Cell</i> , 2015, 27, 1002-1017.	6.6	106
31	In vitro reconstruction and analysis of evolutionary variation of the tomato acylsucrose metabolic network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E239-48.	7.1	106
32	Liver-specific loss of Perilipin 2 alleviates diet-induced hepatic steatosis, inflammation, and fibrosis. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, G726-G738.	3.4	104
33	Inactivation of creatine kinase by S-glutathionylation of the active-site cysteine residue. <i>Biochemical Journal</i> , 2000, 347, 821-827.	3.7	100
34	Assessment of vitamin A status by the deuterated-retinol-dilution technique and comparison with hepatic vitamin A concentration in Bangladeshi surgical patients. <i>American Journal of Clinical Nutrition</i> , 1997, 66, 67-74.	4.7	98
35	Metabolite Diversity in Alkaloid Biosynthesis: A Multilane (Diastereomer) Highway for Camptothecin Synthesis in <i>Camptotheca acuminata</i> . <i>Plant Cell</i> , 2016, 28, 1926-1944.	6.6	95
36	Solute attributes and molecular interactions contributing to μ -shape retention on a fluorinated high-performance liquid chromatography stationary phase. <i>Journal of Chromatography A</i> , 2005, 1073, 99-109.	3.7	93

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37	Mechanism of Soluble Epoxide Hydrolase. <i>Journal of Biological Chemistry</i> , 1995, 270, 26923-26930.	3.4	92
38	Desorption ⁺ Ionization Mass Spectrometry Using Deposited Nanostructured Silicon Films. <i>Analytical Chemistry</i> , 2001, 73, 1292-1295.	6.5	92
39	Genetic Manipulation of Carotenoid Biosynthesis in the Green Sulfur Bacterium <i>Chlorobium tepidum</i> . <i>Journal of Bacteriology</i> , 2004, 186, 5210-5220.	2.2	92
40	Structural requirements for the biosynthesis of backbone cyclic peptide libraries. <i>Chemistry and Biology</i> , 2001, 8, 801-815.	6.0	89
41	Purification and Characterization of Four β -Expansins (Zea m 1 Isoforms) from Maize Pollen \hat{A} . <i>Plant Physiology</i> , 2003, 132, 2073-2085.	4.8	89
42	Determination of atrazine metabolites in human urine: Development of a biomarker of exposure. <i>Chemical Research in Toxicology</i> , 1993, 6, 107-116.	3.3	88
43	Mushroom spent straw: a potential substrate for an ethanol-based biorefinery. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2008, 35, 293-301.	3.0	88
44	Molecular and Biochemical Evidence for the Involvement of the Asp-333 \hat{E} His-523 Pair in the Catalytic Mechanism of Soluble Epoxide Hydrolase. <i>Journal of Biological Chemistry</i> , 1995, 270, 7968-7974.	3.4	87
45	LC ⁺ MS/MS Assay for Protein Amino Acids and Metabolically Related Compounds for Large-Scale Screening of Metabolic Phenotypes. <i>Analytical Chemistry</i> , 2007, 79, 8067-8075.	6.5	86
46	Oxidative metabolism of dihomogammalinolenic acid by guinea pig epidermis: Evidence of generation of anti-inflammatory products. <i>Prostaglandins</i> , 1988, 35, 917-938.	1.2	85
47	Oxidative damage to plasma constituents by ozone. <i>FEBS Letters</i> , 1992, 298, 269-272.	2.8	85
48	Characterization of Pyrroloquinoline Quinone Amino Acid Derivatives by Electrospray Ionization Mass Spectrometry and Detection in Human Milk. <i>Analytical Biochemistry</i> , 1999, 269, 317-325.	2.4	85
49	Evolutionary routes to biochemical innovation revealed by integrative analysis of a plant-defense related specialized metabolic pathway. <i>ELife</i> , 2017, 6, .	6.0	84
50	Striking Natural Diversity in Glandular Trichome Acylsugar Composition Is Shaped by Variation at the Acyltransferase2 Locus in the Wild Tomato <i>Solanum habrochaites</i> \hat{A} \hat{A} . <i>Plant Physiology</i> , 2012, 160, 1854-1870.	4.8	83
51	An integrated paradigm for cellulosic biorefineries: utilization of lignocellulosic biomass as self-sufficient feedstocks for fuel, food precursors and saccharolytic enzyme production. <i>Energy and Environmental Science</i> , 2012, 5, 7100.	30.8	83
52	Determining the molecular weight distribution of Pocahontas No. 3 low-volatile bituminous coal utilizing HRTEM and laser desorption ionization mass spectra data. <i>Fuel</i> , 2010, 89, 1461-1469.	6.4	81
53	Evidence of Quinone Metabolites of Naphthalene Covalently Bound to Sulfur Nucleophiles of Proteins of Murine Clara Cells after Exposure to Naphthalene. <i>Chemical Research in Toxicology</i> , 1997, 10, 1008-1014.	3.3	80
54	Broad connections in the Arabidopsis seed metabolic network revealed by metabolite profiling of an amino acid catabolism mutant. <i>Plant Journal</i> , 2010, 61, 579-590.	5.7	76

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55	High alpha-tomatine content in ripe fruit of Andean <i>Lycopersicon esculentum</i> var. <i>cerasiforme</i> : developmental and genetic aspects.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 12877-12881.	7.1	74
56	Quantitative profiling of tissue- and gender-related expression of glutathione S-transferase isoenzymes in the mouse. Biochemical Journal, 1997, 325, 207-216.	3.7	73
57	Mapping Protein-Protein Interactions in the Bacteriophage T4 DNA Polymerase Holoenzyme Using a Novel Trifunctional Photo-cross-linking and Affinity Reagent. Journal of the American Chemical Society, 2000, 122, 6126-6127.	13.7	73
58	Cardiolipin-Mediated Mitochondrial Dynamics and Stress Response in <i>Arabidopsis</i> . Plant Cell, 2014, 26, 391-409.	6.6	73
59	A feedback insensitive isopropylmalate synthase affects acylsugar composition in cultivated and wild tomato. Plant Physiology, 2015, 169, pp.00474.2015.	4.8	73
60	Mealtime, Temporal, and Daily Variability of the Human Urinary and Plasma Metabolomes in a Tightly Controlled Environment. PLoS ONE, 2014, 9, e86223.	2.5	72
61	Human breath analysis: methods for sample collection and reduction of localized background effects. Analytical and Bioanalytical Chemistry, 2010, 396, 739-750.	3.7	71
62	Tropinone synthesis via an atypical polyketide synthase and P450-mediated cyclization. Nature Communications, 2018, 9, 5281.	12.8	71
63	Femtosecond Laser-Induced Ionization/Dissociation of Protonated Peptides. Journal of the American Chemical Society, 2009, 131, 940-942.	13.7	69
64	A Root-Expressed <i>l</i> -Phenylalanine:4-Hydroxyphenylpyruvate Aminotransferase Is Required for Tropane Alkaloid Biosynthesis in <i>Atropa belladonna</i> . Plant Cell, 2014, 26, 3745-3762.	6.6	69
65	Di(2-ethylhexyl) phthalate Is a Highly Potent Agonist for the Human Constitutive Androstane Receptor Splice Variant CAR2. Molecular Pharmacology, 2009, 75, 1005-1013.	2.3	68
66	Protein Targets of Monocrotaline Pyrrole in Pulmonary Artery Endothelial Cells. Journal of Biological Chemistry, 2000, 275, 29091-29099.	3.4	66
67	Contamination of Fresh and Ensiled Maize by Multiple <i>Penicillium</i> Mycotoxins. Phytopathology, 2008, 98, 330-336.	2.2	66
68	Recruitment of a Foreign Quinone into the A1 Site of Photosystem I. Journal of Biological Chemistry, 2001, 276, 39512-39521.	3.4	65
69	Oxidation of a Tetrameric Nonphenolic Lignin Model Compound by Lignin Peroxidase. Journal of Biological Chemistry, 2001, 276, 22985-22990.	3.4	65
70	Triacylglycerol profiling of microalgae <i>Chlamydomonas reinhardtii</i> and <i>Nannochloropsis oceanica</i> . Bioresource Technology, 2013, 146, 310-316.	9.6	65
71	Comparative structural profiling of trichome specialized metabolites in tomato (<i>Solanum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 2014, 10, 496-507.	3.0	63
72	Molecular cloning of the tomato Hairless gene implicates actin dynamics in trichome-mediated defense and mechanical properties of stem tissue. Journal of Experimental Botany, 2016, 67, 5313-5324.	4.8	63

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73	Stable Isotope Methods for the Study of .beta.-Carotene-d8 Metabolism in Humans Utilizing Tandem Mass Spectrometry and High-Performance Liquid Chromatography. <i>Analytical Chemistry</i> , 1994, 66, 4177-4185.	6.5	62
74	Synthesis of the Protein Cutting Reagent Iron (S)-1-(p-Bromoacetamidobenzyl)ethylenediaminetetraacetate and Conjugation to Cysteine Side Chains. <i>Bioconjugate Chemistry</i> , 1997, 8, 44-48.	3.6	62
75	Pyrrolizidine alkaloids in overwintering monarch butterflies (<i>Danaus plexippus</i>) from Mexico. <i>Experientia</i> , 1987, 43, 943-946.	1.2	60
76	Bacteriohopanetetrol: Abundant Lipid in <i>Frankia</i> Cells and in Nitrogen-Fixing Nodule Tissue. <i>Plant Physiology</i> , 1991, 95, 111-115.	4.8	60
77	Two-component signaling in the AAA+ ATPase DctD: binding Mg ²⁺ and BeF ₃ selects between alternative dimeric states of the receiver domain. <i>FASEB Journal</i> , 2002, 16, 1964-1966.	0.5	60
78	Rational method development strategies on a fluorinated liquid chromatography stationary phase: Mobile phase ion concentration and temperature effects on the separation of ephedrine alkaloids. <i>Journal of Chromatography A</i> , 2005, 1095, 113-118.	3.7	59
79	Metabolomic signatures of coral bleaching history. <i>Nature Ecology and Evolution</i> , 2021, 5, 495-503.	7.8	59
80	Novel Histidine-Heme Covalent Linkage in a Hemoglobin. <i>Journal of the American Chemical Society</i> , 2002, 124, 8544-8545.	13.7	58
81	Comparative metabolic profiling revealed limitations in xylose-fermenting yeast during co-fermentation of glucose and xylose in the presence of inhibitors. <i>Biotechnology and Bioengineering</i> , 2014, 111, 152-164.	3.3	58
82	Polyunsaturated fatty acids influence differential biosynthesis of oxylipids and other lipid mediators during bovine coliform mastitis. <i>Journal of Dairy Science</i> , 2015, 98, 6202-6215.	3.4	57
83	Insertional Inactivation of the <i>menG</i> Gene, Encoding 2-Phytyl-1,4-Naphthoquinone Methyltransferase of <i>Synechocystis</i> PCC 6803, Results in the Incorporation of 2-Phytyl-1,4-Naphthoquinone into the A1 Site and Alteration of the Equilibrium Constant between A1 and FX in Photosystem I. <i>Biochemistry</i> , 2002, 41, 394-405.	2.5	56
84	Amiodarone Exposure During Modest Inflammation Induces Idiosyncrasy-like Liver Injury in Rats: Role of Tumor Necrosis Factor- α . <i>Toxicological Sciences</i> , 2012, 125, 126-133.	3.1	56
85	Roles for jasmonate- and ethylene-induced transcription factors in the ability of <i>Arabidopsis</i> to respond differentially to damage caused by two insect herbivores. <i>Frontiers in Plant Science</i> , 2014, 5, 407.	3.6	56
86	Volatile profiling reveals intracellular metabolic changes in <i>Aspergillus parasiticus</i> : <i>veA</i> regulates branched chain amino acid and ethanol metabolism. <i>BMC Biochemistry</i> , 2010, 11, 33.	4.4	55
87	Characterization of a deletion allele of a sorghum <i>Myb</i> gene <i>yellow seed1</i> showing loss of 3-deoxyflavonoids. <i>Plant Science</i> , 2005, 169, 542-552.	3.6	54
88	Polymethylated Myricetin in Trichomes of the Wild Tomato Species <i>Solanum habrochaites</i> and Characterization of Trichome-Specific 5-O- and 7-O-Methyltransferases. <i>Plant Physiology</i> , 2011, 155, 1999-2009.	4.8	54
89	Transcriptomic and metabolomic analyses of cucumber fruit peels reveal a developmental increase in terpenoid glycosides associated with age-related resistance to <i>Phytophthora capsici</i> . <i>Horticulture Research</i> , 2017, 4, 17022.	6.3	54
90	Atmospheric Pressure Femtosecond Laser Imaging Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 2753-2758.	6.5	53

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91	Laccase-induced cross-coupling of 4-aminobenzoic acid with para-dihydroxylated compounds 2,5-dihydroxy-N-(2-hydroxyethyl)-benzamide and 2,5-dihydroxybenzoic acid methyl ester. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2005, 35, 86-92.	1.8	51
92	Acylsugar Acylhydrolases: Carboxylesterase-Catalyzed Hydrolysis of Acylsugars in Tomato Trichomes. <i>Plant Physiology</i> , 2016, 170, 1331-1344.	4.8	51
93	Inactivation of creatine kinase by S-glutathionylation of the active-site cysteine residue. <i>Biochemical Journal</i> , 2000, 347, 821.	3.7	50
94	Willow volatiles influence growth, development, and secondary metabolism in <i>Aspergillus parasiticus</i> . <i>Applied Microbiology and Biotechnology</i> , 2011, 92, 359-370.	3.6	49
95	Analysis of Natural and Induced Variation in Tomato Glandular Trichome Flavonoids Identifies a Gene Not Present in the Reference Genome. <i>Plant Cell</i> , 2014, 26, 3272-3285.	6.6	49
96	Structural characterization of three new AAL toxins produced by <i>Alternaria alternata</i> f. sp. <i>lycopersici</i> . <i>Journal of Agricultural and Food Chemistry</i> , 1994, 42, 327-333.	5.2	48
97	Expression of a putative flavonoid 3- α -hydroxylase in sorghum mesocotyls synthesizing 3-deoxyanthocyanidin phytoalexins. <i>Physiological and Molecular Plant Pathology</i> , 2004, 65, 101-113.	2.5	48
98	Relative Mass Defect Filtering of Mass Spectra: A Path to Discovery of Plant Specialized Metabolites. <i>Plant Physiology</i> , 2015, 167, 1221-1232.	4.8	48
99	COR Pulmonale Is Caused by Monocrotaline and Dehydromonocrotaline, but Not by Glutathione or Cysteine Conjugates of Dihydropyrrolizine. <i>Toxicology and Applied Pharmacology</i> , 1993, 118, 87-97.	2.8	47
100	Protein targets of 1,4-benzoquinone and 1,4-naphthoquinone in human bronchial epithelial cells. <i>Proteomics</i> , 2003, 3, 479-495.	2.2	47
101	Isolation and identification of a pyrrolic glutathione conjugate metabolite of the pyrrolizidine alkaloid monocrotaline. <i>Toxicology Letters</i> , 1990, 51, 321-329.	0.8	46
102	Monocrotaline pyrrole targets proteins with and without cysteine residues in the cytosol and membranes of human pulmonary artery endothelial cells. <i>Proteomics</i> , 2005, 5, 4398-4413.	2.2	46
103	Sulindac Metabolism and Synergy with Tumor Necrosis Factor- α in a Drug-Inflammation Interaction Model of Idiosyncratic Liver Injury. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 331, 114-121.	2.5	46
104	Dietary Fat Is a Lipid Source in 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCDD)-Elicited Hepatic Steatosis in C57BL/6 Mice. <i>Toxicological Sciences</i> , 2012, 128, 377-386.	3.1	46
105	Inhibition of microbial biofuel production in drought-stressed switchgrass hydrolysate. <i>Biotechnology for Biofuels</i> , 2016, 9, 237.	6.2	46
106	Evolution of a flipped pathway creates metabolic innovation in tomato trichomes through BAHD enzyme promiscuity. <i>Nature Communications</i> , 2017, 8, 2080.	12.8	46
107	Biosynthetic Studies of Fumonisin B1 and AAL Toxins. <i>Journal of Agricultural and Food Chemistry</i> , 1998, 46, 4734-4743.	5.2	45
108	Development of an Enzyme-Linked Immunosorbent Assay for Atrazine Mercapturic Acid in Human Urine. <i>Chemical Research in Toxicology</i> , 1998, 11, 342-352.	3.3	44

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109	Biosynthesis of the Diterpenoid Lycosantalanol via NerylNeryl Diphosphate in <i>Solanum lycopersicum</i> . PLoS ONE, 2015, 10, e0119302.	2.5	42
110	Quantification of Indole-3-Acetic Acid in Dark-Grown Seedlings of the <i>Diageotropica</i> and <i>Epinastic</i> Mutants of Tomato (<i>Lycopersicon esculentum</i> Mill.). Plant Physiology, 1988, 88, 780-784.	4.8	41
111	Release of Flavonoids and Betaines from Seeds of Seven <i>Medicago</i> Species. Crop Science, 1995, 35, 805-808.	1.8	41
112	Plasma kinetics of an oral dose of [2H4]retinyl acetate in human subjects with estimated low or high total body stores of vitamin A. American Journal of Clinical Nutrition, 1998, 68, 90-95.	4.7	40
113	Hapten Synthesis and Antibody Development for Polychlorinated Dibenzo-p-dioxin Immunoassays. Journal of Agricultural and Food Chemistry, 1998, 46, 2407-2416.	5.2	39
114	Profiling of diferulates (plant cell wall cross-linkers) using ultrahigh-performance liquid chromatography-tandem mass spectrometry. Analyst, The, 2013, 138, 6683.	3.5	39
115	Functional Identification of Valerena-1,10-diene Synthase, a Terpene Synthase Catalyzing a Unique Chemical Cascade in the Biosynthesis of Biologically Active Sesquiterpenes in <i>Valeriana officinalis</i> . Journal of Biological Chemistry, 2013, 288, 3163-3173.	3.4	39
116	Water-soluble phenolic compounds produced from extractive ammonia pretreatment exerted binary inhibitory effects on yeast fermentation using synthetic hydrolysate. PLoS ONE, 2018, 13, e0194012.	2.5	39
117	Highly sensitive dioxin immunoassay and its application to soil and biota samples. Analytica Chimica Acta, 2001, 444, 169-178.	5.4	38
118	Spermidine/spermine-N1-acetyltransferase-2 (SSAT2) acetylates thialysine and is not involved in polyamine metabolism. Biochemical Journal, 2004, 384, 139-148.	3.7	38
119	Nuclear Factor- κ B Mediated Inhibition of Cytokine Production by Imidazoline Scaffolds. Journal of Medicinal Chemistry, 2009, 52, 1302-1309.	6.4	38
120	Pyruvate Kinase Isoform Switching and Hepatic Metabolic Reprogramming by the Environmental Contaminant 2,3,7,8-Tetrachlorodibenzo-p-Dioxin. Toxicological Sciences, 2016, 149, 358-371.	3.1	38
121	An improved protocol for determining ratios of retinol-d4 to retinol isolated from human plasma. Analytical Chemistry, 1993, 65, 2024-2028.	6.5	37
122	Purification, Mass Spectrometric Characterization, and Covalent Modification of Murine Glutathione S-Transferases. Chemical Research in Toxicology, 1995, 8, 1054-1062.	3.3	37
123	Characterization of Trichome-Expressed BAHD Acyltransferases in <i>Petunia axillaris</i> Reveals Distinct Acylsugar Assembly Mechanisms within the Solanaceae. Plant Physiology, 2017, 175, 36-50.	4.8	37
124	<i>Camptotheca acuminata</i> 10-hydroxycamptothecin O-methyltransferase: an alkaloid biosynthetic enzyme co-opted from flavonoid metabolism. Plant Journal, 2018, 95, 112-125.	5.7	37
125	Dihydroaromatic structure of Illinois No. 6 Monterey coal. Fuel, 1980, 59, 694-698.	6.4	36
126	Analysis of the stability of amino acids derivatized with naphthalene-2,3-dicarboxaldehyde using high-performance liquid chromatography and mass spectrometry. Analytical Biochemistry, 2003, 322, 68-78.	2.4	36

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127	Changes in Free Amino Acid Content in "Jonagold"™ Apple Fruit as Related to Branched-chain Ester Production, Ripening, and Senescence. <i>Journal of the American Society for Horticultural Science</i> , 2011, 136, 429-440.	1.0	36
128	Negative ion laser desorption ionization time-of-flight mass spectrometry of nitrated polycyclic aromatic hydrocarbons. <i>Journal of the American Society for Mass Spectrometry</i> , 1997, 8, 630-636.	2.8	35
129	Quadrupole Fourier transform mass spectrometry of oligosaccharides. <i>Analytical Chemistry</i> , 1991, 63, 2526-2529.	6.5	34
130	Glutathione reverses early effects of glycation on myosin function. <i>American Journal of Physiology - Cell Physiology</i> , 2003, 285, C419-C424.	4.6	34
131	Determination of Blood Folate Using Acid Extraction and Internally Standardized Gas Chromatography-Mass Spectrometry Detection. <i>Analytical Biochemistry</i> , 2000, 283, 266-275.	2.4	33
132	Use of ab Initio Calculations To Predict the Biological Potency of Carboxylesterase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 5576-5593.	6.4	33
133	Electrospray Ionization Mass Spectrometry of Sphinganine Analog Mycotoxins. <i>Analytical Chemistry</i> , 1995, 67, 196-207.	6.5	32
134	Dioxinlike properties of a trichloroethylene combustion-generated aerosol. <i>Environmental Health Perspectives</i> , 1996, 104, 734-743.	6.0	32
135	Medicinal Plants: A Public Resource for Metabolomics and Hypothesis Development. <i>Metabolites</i> , 2012, 2, 1031-1059.	2.9	32
136	Development of antibodies against hydroxyatrazine and hydroxysimazine: Application to environmental samples. <i>Journal of Agricultural and Food Chemistry</i> , 1993, 41, 1523-1529.	5.2	31
137	Maximum entropy deconvolution of heterogeneity in protein modification: Protein adducts of 4-hydroxy-2-nonenal. <i>Rapid Communications in Mass Spectrometry</i> , 1994, 8, 509-512.	1.5	31
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