

# 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	Association of prenatal acetaminophen use and acetaminophen metabolites with DNA methylation of newborns: analysis of two consecutive generations of the Isle of Wight birth cohort. <i>Environmental Epigenetics</i> , 2022, 8, dvac002.	1.8	7
2	Understanding the structure and composition of recalcitrant oligosaccharides in hydrolysate using high-throughput biotin-based glycome profiling and mass spectrometry. <i>Scientific Reports</i> , 2022, 12, 2521.	3.3	0
3	Lipid bilayer induces contraction of the denatured state ensemble of a helical-bundle membrane protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	9
4	Natural variation meets synthetic biology: Promiscuous trichome-expressed acyltransferases from <i>Nicotiana</i> . <i>Plant Physiology</i> , 2022, 190, 146-164.	4.8	3
5	Identification of BAHD acyltransferases associated with acylinositol biosynthesis in <i>Solanum quitoense</i> (naranjilla). <i>Plant Direct</i> , 2022, 6, .	1.9	1
6	Switchgrass Metabolomics Reveals Striking Genotypic and Developmental Differences in Specialized Metabolic Phenotypes. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 8010-8023.	5.2	9
7	Metabolomics-guided discovery of cytochrome P450s involved in pseudotropine-dependent biosynthesis of modified tropane alkaloids. <i>Nature Communications</i> , 2022, 13, .	12.8	7
8	Metabolomic signatures of coral bleaching history. <i>Nature Ecology and Evolution</i> , 2021, 5, 495-503.	7.8	59
9	Alkaloids of the Genus <i>Datura</i> : Review of a Rich Resource for Natural Product Discovery. <i>Molecules</i> , 2021, 26, 2629.	3.8	26
10	Citramalate synthase yields a biosynthetic pathway for isoleucine and straight- and branched-chain ester formation in ripening apple fruit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	30
11	Abiotic and Biotic Damage of Microalgae Generate Different Volatile Organic Compounds (VOCs) for Early Diagnosis of Algal Cultures for Biofuel Production. <i>Metabolites</i> , 2021, 11, 707.	2.9	1
12	It happened again: Convergent evolution of acylglucose specialized metabolism in black nightshade and wild tomato. <i>Science Advances</i> , 2021, 7, eabj8726.	10.3	20
13	A New Method to Overcome Carboxamide Formation During AFEX Pretreatment of Lignocellulosic Biomass. <i>Frontiers in Chemistry</i> , 2021, 9, 826625.	3.6	5
14	Metabolic Profiling of Volatile Organic Compounds (VOCs) Emitted by the Pathogens <i>Francisella tularensis</i> and <i>Bacillus anthracis</i> in Liquid Culture. <i>Scientific Reports</i> , 2020, 10, 9333.	3.3	16
15	Mining Public Mass Spectrometry Data to Characterize the Diversity and Ubiquity of <i>P. aeruginosa</i> Specialized Metabolites. <i>Metabolites</i> , 2020, 10, 445.	2.9	13
16	Nicotine and Its Downstream Metabolites in Maternal and Cord Sera: Biomarkers of Prenatal Smoking Exposure Associated with Offspring DNA Methylation. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 9552.	2.6	11
17	An Integrated Analytical Approach Reveals Trichome Acylsugar Metabolite Diversity in the Wild Tomato <i>Solanum pennellii</i> . <i>Metabolites</i> , 2020, 10, 401.	2.9	12
18	Proteomic Characterization of Damaged Single Hairs Recovered after an Explosion for Protein-Based Human Identification. <i>Journal of Proteome Research</i> , 2020, 19, 3088-3099.	3.7	10

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19	Specialized Metabolism in a Nonmodel Nightshade: Trichome Acylinositol Biosynthesis. <i>Plant Physiology</i> , 2020, 183, 915-924.	4.8	20
20	Automated analysis of scanning electron microscopic images for assessment of hair surface damage. <i>Royal Society Open Science</i> , 2020, 7, 191438.	2.4	7
21	Beneficial effects of <i>Lactobacillus reuteri</i> 6475 on bone density in male mice is dependent on lymphocytes. <i>Scientific Reports</i> , 2019, 9, 14708.	3.3	28
22	Brain Prostaglandin D2 Increases Neurogenic Pressor Activity and Mean Arterial Pressure in Angiotensin II-Salt Hypertensive Rats. <i>Hypertension</i> , 2019, 74, 1499-1506.	2.7	7
23	Presence of Acetamide in Milk and Beef from Cattle Consuming AFEX-Treated Crop Residues. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 10756-10763.	5.2	11
24	Chemical Profiling of Volatile Organic Compounds in the Headspace of Algal Cultures as Early Biomarkers of Algal Pond Crashes. <i>Scientific Reports</i> , 2019, 9, 13866.	3.3	30
25	Hair Proteome Variation at Different Body Locations on Genetically Variant Peptide Detection for Protein-Based Human Identification. <i>Scientific Reports</i> , 2019, 9, 7641.	3.3	22
26	Microbial Lipid Alternatives to Plant Lipids. <i>Methods in Molecular Biology</i> , 2019, 1995, 1-32.	0.9	20
27	<i>Camptotheca acuminata</i> 10 $\alpha$ -hydroxycamptothecin O-methyltransferase: an alkaloid biosynthetic enzyme co-opted from flavonoid metabolism. <i>Plant Journal</i> , 2018, 95, 112-125.	5.7	37
28	Metabolism of a sea lamprey pesticide by fish liver enzymes part A: identification and synthesis of TFM metabolites. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1749-1761.	3.7	23
29	Metabolism of a sea lamprey pesticide by fish liver enzymes part B: method development and application in quantification of TFM metabolites formed in vivo. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1763-1774.	3.7	23
30	Exposure Assessment of Acetamide in Milk, Beef, and Coffee Using Xanthidrol Derivatization and Gas Chromatography/Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 298-305.	5.2	16
31	Tropinone synthesis via an atypical polyketide synthase and P450-mediated cyclization. <i>Nature Communications</i> , 2018, 9, 5281.	12.8	71
32	Water-soluble phenolic compounds produced from extractive ammonia pretreatment exerted binary inhibitory effects on yeast fermentation using synthetic hydrolysate. <i>PLoS ONE</i> , 2018, 13, e0194012.	2.5	39
33	The Rising of Acylsugar Diversity: Metabolic Innovation in Tomato Trichomes through BAHD Enzyme Promiscuity and Pathway Evolution. <i>FASEB Journal</i> , 2018, 32, 537.2.	0.5	0
34	Profiling, characterization, and analysis of natural and synthetic acylsugars (sugar esters). <i>Analytical Methods</i> , 2017, 9, 892-905.	2.7	20
35	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
36	Differences in the Oxylipid Profiles of Bovine Milk and Plasma at Different Stages of Lactation. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 4980-4988.	5.2	30

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37	Characterization of smokeless powders using multiplexed collision-induced dissociation mass spectrometry and chemometric procedures. <i>Forensic Science International</i> , 2017, 272, 16-27.	2.2	19
38	Production of Seed-Like Storage Lipids and Increase in Oil Bodies in Corn (Maize; <i>Zea mays</i> L.) Vegetative Biomass. <i>Industrial Crops and Products</i> , 2017, 108, 526-534.	5.2	25
39	568. Separation of Key Metabolites of the Kynurenine Pathway by HILIC LC-MS/MS with Stable Isotope-Labeled Internal Standards. <i>Biological Psychiatry</i> , 2017, 81, S229-S230.	1.3	0
40	Obesity, adipokines, and C-peptide are associated with distinct plasma phospholipid profiles in adult males, an untargeted lipidomic approach. <i>Scientific Reports</i> , 2017, 7, 6335.	3.3	28
41	Characterization of Trichome-Expressed BAHD Acyltransferases in <i>Petunia axillaris</i> Reveals Distinct Acylsugar Assembly Mechanisms within the Solanaceae. <i>Plant Physiology</i> , 2017, 175, 36-50.	4.8	37
42	Profiling, isolation and structure elucidation of specialized acylsucrose metabolites accumulating in trichomes of <i>Petunia</i> species. <i>Metabolomics</i> , 2017, 13, 1.	3.0	19
43	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
44	Metabolic Engineering to Increase the Corn Seed Storage Lipid Quantity and Change Its Compositional Quality. <i>Crop Science</i> , 2017, 57, 1854-1864.	1.8	11
45	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
46	Acylsugar Acylhydrolases: Carboxylesterase-Catalyzed Hydrolysis of Acylsugars in Tomato Trichomes. <i>Plant Physiology</i> , 2016, 170, 1331-1344.	4.8	51
47	Inhibition of microbial biofuel production in drought-stressed switchgrass hydrolysate. <i>Biotechnology for Biofuels</i> , 2016, 9, 237.	6.2	46
48	Unique DNA-barcoded aerosol test particles for studying aerosol transport. <i>Aerosol Science and Technology</i> , 2016, 50, 429-435.	3.1	14
49	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
50	Sex Differences in Defensive Behavior and Venom of The Striped Bark Scorpion <i>Centruroides vittatus</i> (Scorpiones: Buthidae). <i>Integrative and Comparative Biology</i> , 2016, 56, 1022-1031.	2.0	25
51	Molecular cloning of the tomato Hairless gene implicates actin dynamics in trichome-mediated defense and mechanical properties of stem tissue. <i>Journal of Experimental Botany</i> , 2016, 67, 5313-5324.	4.8	63
52	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
53	DnaC traps DnaB as an open ring and remodels the domain that binds primase. <i>Nucleic Acids Research</i> , 2016, 44, 210-220.	14.5	27
54	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

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55	Pyruvate Kinase Isoform Switching and Hepatic Metabolic Reprogramming by the Environmental Contaminant 2,3,7,8-Tetrachlorodibenzo- <i>p</i> -Dioxin. <i>Toxicological Sciences</i> , 2016, 149, 358-371.	3.1	38
56	Production of Bacterial Cellulose with Controlled Deuterium- <sup>2</sup> H Hydrogen Substitution for Neutron Scattering Studies. <i>Methods in Enzymology</i> , 2015, 565, 123-146.	1.0	11
57	Biosynthesis of the Diterpenoid Lycosantalolol via Neryleryl Diphosphate in <i>Solanum lycopersicum</i> . <i>PLoS ONE</i> , 2015, 10, e0119302.	2.5	42
58	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
59	A feedback insensitive isopropylmalate synthase affects acylsugar composition in cultivated and wild tomato. <i>Plant Physiology</i> , 2015, 169, pp.00474.2015.	4.8	73
60	Introducing the USA Plant, Algae and Microbial Metabolomics Research Coordination Network (PAMM-NET). <i>Metabolomics</i> , 2015, 11, 3-5.	3.0	3
61	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
62	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
63	Dependence of negative-mode electrospray ionization response factors on mobile phase composition and molecular structure for newly-authenticated neutral acylsucrose metabolites. <i>Analyst</i> , 2015, 140, 6522-6531.	3.5	17
64	Mealtime, Temporal, and Daily Variability of the Human Urinary and Plasma Metabolomes in a Tightly Controlled Environment. <i>PLoS ONE</i> , 2014, 9, e86223.	2.5	72
65	Transcriptional and metabolic signatures of <i>Arabidopsis</i> responses to chewing damage by an insect herbivore and bacterial infection and the consequences of their interaction. <i>Frontiers in Plant Science</i> , 2014, 5, 441.	3.6	13
66	Cardiolipin-Mediated Mitochondrial Dynamics and Stress Response in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 391-409.	6.6	73
67	Unusual negative charge-directed fragmentation: collision-induced dissociation of cyclopentenone oxylipins in negative ion mode. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 457-464.	1.5	13
68	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
69	Probing the nature of AFEX-pretreated corn stover derived decomposition products that inhibit cellulase activity. <i>Bioresource Technology</i> , 2014, 152, 38-45.	9.6	15
70	Chemical imaging of trichome specialized metabolites using contact printing and laser desorption/ionization mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 171-182.	3.7	31
71	Sesquiterpenoid glycosides from glandular trichomes of the wild tomato relative <i>Solanum habrochaites</i> . <i>Phytochemistry</i> , 2014, 98, 223-231.	2.9	14
72	Comparative structural profiling of trichome specialized metabolites in tomato ( <i>Solanum</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (l) 2014, 10, 496-507.	3.0	63

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73	Profiling of Stable Isotope Enrichment in Specialized Metabolites Using Liquid Chromatography and Multiplexed Nonselective Collision-Induced Dissociation. <i>Analytical Chemistry</i> , 2014, 86, 10600-10607.	6.5	20
74	Gas chromatographic retention index as a basis for predicting evaporation rates of complex mixtures. <i>Analytica Chimica Acta</i> , 2014, 852, 257-266.	5.4	9
75	A Root-Expressed <scp> </scp>-Phenylalanine:4-Hydroxyphenylpyruvate Aminotransferase Is Required for Tropane Alkaloid Biosynthesis in <i>Atropa belladonna</i> Å Å. <i>Plant Cell</i> , 2014, 26, 3745-3762.	6.6	69
76	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
77	Controlled incorporation of deuterium into bacterial cellulose. <i>Cellulose</i> , 2014, 21, 927-936.	4.9	30
78	Comparative metabolic profiling revealed limitations in xyloseâ€fermenting yeast during coâ€fermentation of glucose and xylose in the presence of inhibitors. <i>Biotechnology and Bioengineering</i> , 2014, 111, 152-164.	3.3	58
79	The Flavonoid Biosynthetic Enzyme Chalcone Isomerase Modulates Terpenoid Production in Glandular Trichomes of Tomato Å Å Å. <i>Plant Physiology</i> , 2014, 164, 1161-1174.	4.8	184
80	Triacylglycerol profiling of microalgae <i>Chlamydomonas reinhardtii</i> and <i>Nannochloropsis oceanica</i> . <i>Bioresource Technology</i> , 2013, 146, 310-316.	9.6	65
81	Profiling of diferulates (plant cell wall cross-linkers) using ultrahigh-performance liquid chromatography-tandem mass spectrometry. <i>Analyst, The</i> , 2013, 138, 6683.	3.5	39
82	Identification of methylated flavonoid regioisomeric metabolites using enzymatic semisynthesis and liquid chromatography-tandem mass spectrometry. <i>Metabolomics</i> , 2013, 9, 92-101.	3.0	12
83	Profiling of soluble neutral oligosaccharides from treated biomass using solid phase extraction and LCâ€TOF MS. <i>Carbohydrate Polymers</i> , 2013, 94, 791-799.	10.2	20
84	Aerosol and Microparticle Generation Using a Commercial Inkjet Printer. <i>Aerosol Science and Technology</i> , 2013, 47, 361-372.	3.1	12
85	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> . <i>Journal of Biological Chemistry</i> , 2013, 288, 3163-3173.	3.4	39
86	Metabolic Profiles Distinguish Non-Dampness-Phlegm and Dampness-Phlegm Patterns among Korean Patients with Acute Cerebral Infarction. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 1-9.	1.2	8
87	Antimicrobial Activity of Chestnut Extracts for Potential Use in Managing Soilborne Plant Pathogens. <i>Plant Disease</i> , 2012, 96, 354-360.	1.4	20
88	Amiodarone Exposure During Modest Inflammation Induces Idiosyncrasy-like Liver Injury in Rats: Role of Tumor Necrosis Factor-alpha. <i>Toxicological Sciences</i> , 2012, 125, 126-133.	3.1	56
89	Dietary Fat Is a Lipid Source in 2,3,7,8-Tetrachlorodibenzo-ï-Dioxin (TCDD)-Elicited Hepatic Steatosis in C57BL/6 Mice. <i>Toxicological Sciences</i> , 2012, 128, 377-386.	3.1	46
90	Large-scale profiling of diterpenoid glycosides from <i>Stevia rebaudiana</i> using ultrahigh performance liquid chromatography/tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2683-2690.	3.7	27

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91	Characterization of a flavonol 3-O-methyltransferase in the trichomes of the wild tomato species <i>Solanum habrochaites</i> . <i>Planta</i> , 2012, 236, 839-849.	3.2	28
92	Striking Natural Diversity in Glandular Trichome Acylsugar Composition Is Shaped by Variation at the Acyltransferase2 Locus in the Wild Tomato <i>Solanum habrochaites</i> . <i>Plant Physiology</i> , 2012, 160, 1854-1870.	4.8	83
93	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
94	Medicinal Plants: A Public Resource for Metabolomics and Hypothesis Development. <i>Metabolites</i> , 2012, 2, 1031-1059.	2.9	32
95	Rapid LC-MS/MS Profiling of Protein Amino Acids and Metabolically Related Compounds for Large-Scale Assessment of Metabolic Phenotypes. <i>Methods in Molecular Biology</i> , 2012, 828, 1-11.	0.9	12
96	Nontargeted Profiling of Specialized Metabolites of <i>Digitalis purpurea</i> with a Focus on Cardiac Glycosides. <i>ACS Symposium Series</i> , 2012, , 185-205.	0.5	3
97	Characterization of Model Peptide Adducts with Reactive Metabolites of Naphthalene by Mass Spectrometry. <i>PLoS ONE</i> , 2012, 7, e42053.	2.5	11
98	Comparative Functional Genomic Analysis of <i>Solanum</i> Glandular Trichome Types. <i>Plant Physiology</i> , 2011, 155, 524-539.	4.8	168
99	Quantification of a Male Sea Lamprey Pheromone in Tributaries of Laurentian Great Lakes by Liquid Chromatography-Tandem Mass Spectrometry. <i>Environmental Science &amp; Technology</i> , 2011, 45, 6437-6443.	10.0	27
100	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
101	Comparative lipidomic profiling of xylose-metabolizing <i>S. cerevisiae</i> and its parental strain in different media reveals correlations between membrane lipids and fermentation capacity. <i>Biotechnology and Bioengineering</i> , 2011, 108, 12-21.	3.3	27
102	Rapid quantification of major reaction products formed during thermochemical pretreatment of lignocellulosic biomass using GC-MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 1018-1022.	2.3	20
103	Aryl Hydrocarbon Receptor-Mediated Induction of Stearoyl-CoA Desaturase 1 Alters Hepatic Fatty Acid Composition in TCDD-Elicited Steatosis. <i>Toxicological Sciences</i> , 2011, 124, 299-310.	3.1	31
104	Polymethylated Myricetin in Trichomes of the Wild Tomato Species <i>Solanum habrochaites</i> and Characterization of Trichome-Specific 3-O- and 7-O-Methyltransferases. <i>Plant Physiology</i> , 2011, 155, 1999-2009.	4.8	54
105	Molecular and Biochemical Basis for Stress-Induced Accumulation of Free and Bound-Coumaraldehyde in Cucumber. <i>Plant Physiology</i> , 2011, 157, 1056-1066.	4.8	23
106	A Genetic Screen Reveals Arabidopsis Stomatal and/or Apoplastic Defenses against <i>Pseudomonas syringae</i> pv. tomato DC3000. <i>PLoS Pathogens</i> , 2011, 7, e1002291.	4.7	118
107	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
108	Human breath analysis: methods for sample collection and reduction of localized background effects. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 739-750.	3.7	71

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109	Abundant betaines in reef-building corals and ecological indicators of a photoprotective role. <i>Coral Reefs</i> , 2010, 29, 869-880.	2.2	26
110	Determination of betaine metabolites and dimethylsulfoniopropionate in coral tissues using liquid chromatography–time-of-flight mass spectrometry and stable isotope-labeled internal standards. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 1809-1816.	2.3	30
111	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
112	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
113	Volatile profiling reveals intracellular metabolic changes in <i>Aspergillus parasiticus</i> : veA regulates branched chain amino acid and ethanol metabolism. <i>BMC Biochemistry</i> , 2010, 11, 33.	4.4	55
114	Bioassay-directed fractionation for discovery of bioactive neutral lipids guided by relative mass defect filtering and multiplexed collision-induced dissociation. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 3578-3584.	1.5	20
115	Broad connections in the <i>Arabidopsis</i> seed metabolic network revealed by metabolite profiling of an amino acid catabolism mutant. <i>Plant Journal</i> , 2010, 61, 579-590.	5.7	76
116	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
117	Effects of tamoxifen and ethynylestradiol cotreatment on uterine gene expression in immature, ovariectomized mice. <i>Journal of Molecular Endocrinology</i> , 2010, 45, 161-173.	2.5	9
118	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
119	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
120	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
121	Atmospheric Pressure Femtosecond Laser Imaging Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 2753-2758.	6.5	53
122	Differential Cellular Responses to Protein Adducts of Naphthoquinone and Monocrotaline Pyrrole. <i>Chemical Research in Toxicology</i> , 2010, 23, 1504-1513.	3.3	19
123	Atmospheric Pressure Femtosecond Laser Imaging Mass Spectrometry. , 2010, , .		0
124	Atmospheric Pressure Femtosecond Laser Imaging Mass Spectrometry. , 2010, , .		0
125	Di(2-ethylhexyl) phthalate Is a Highly Potent Agonist for the Human Constitutive Androstane Receptor Splice Variant CAR2. <i>Molecular Pharmacology</i> , 2009, 75, 1005-1013.	2.3	68
126	Sulindac Metabolism and Synergy with Tumor Necrosis Factor- $\alpha$ 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



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127	A rapid wound signal activates the systemic synthesis of bioactive jasmonates in Arabidopsis. <i>Plant Journal</i> , 2009, 59, 974-986.	5.7	370
128	Femtosecond Laser-Induced Ionization/Dissociation of Protonated Peptides. <i>Journal of the American Chemical Society</i> , 2009, 131, 940-942.	13.7	69
129	Nuclear Factor- $\kappa$ B Mediated Inhibition of Cytokine Production by Imidazoline Scaffolds. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 1302-1309.	6.4	38
130	Use of Single Particle Aerosol Mass Spectrometry for the Automated Nondestructive Identification of Drugs in Multicomponent Samples. <i>Analytical Chemistry</i> , 2009, 81, 9336-9342.	6.5	7
131	Femtosecond laser scalpel technology for proteomic mass spectrometry. , 2009, , .		0
132	Sulindac metabolite and TNF $\alpha$ interaction in liver injury induced by sulindac and lipopolysaccharide in rats. <i>FASEB Journal</i> , 2009, 23, 741.5.	0.5	0
133	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
134	Reply to the Comment by S. Schouten, M. van der Meer, E. Hopmans, and J.S. Sinninghe Damst $\text{\AA}$ on "Lipids of marine Archaea: Patterns and provenance in the water column". <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 5347-5349.	3.9	9
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290	Multifaceted study of a Cretaceous coal with algal affinities. <i>Fuel</i> , 1986, 65, 611-620.	6.4	8
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