Christopher J Petzold

List of Publications by Year
in descending order

141 papers	10,004 citations	41344 49 h-index	40979 93 g-index
176 all docs	176 docs citations	176 times ranked	10904 citing authors

#	Article	IF	Citations
1	Adaptive evolution of Methylotuvimicrobium alcaliphilum to grow in the presence of rhamnolipids improves fatty acid and rhamnolipid production from CH4. Journal of Industrial Microbiology and Biotechnology, 2022, 49, .	3.0	4
2	Modular automated bottom-up proteomic sample preparation for high-throughput applications. PLoS ONE, 2022, 17, e0264467.	2.5	3
3	Machine learning for metabolic engineering: A review. Metabolic Engineering, 2021, 63, 34-60.	7.0	135
4	Structure of an affinity-matured inhibitory recombinant fab against urokinase plasminogen activator reveals basis of potency and specificity. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2021, 1869, 140562.	2.3	1
5	Faster, better, and cheaper: harnessing microfluidics and mass spectrometry for biotechnology. RSC Chemical Biology, 2021, 2, 1331-1351.	4.1	20
6	Functional genetics of human gut commensal Bacteroides thetaiotaomicron reveals metabolic requirements for growth across environments. Cell Reports, 2021, 34, 108789.	6.4	82
7	A multiplexed nanostructure-initiator mass spectrometry (NIMS) assay for simultaneously detecting glycosyl hydrolase and lignin modifying enzyme activities. Scientific Reports, 2021, 11, 11803.	3.3	7
8	Hydroxyl radical mediated damage of proteins in low oxygen solution investigated using X-ray footprinting mass spectrometry. Journal of Synchrotron Radiation, 2021, 28, 1333-1342.	2.4	6
9	BioPartsâ€"A Biological Parts Search Portal and Updates to the ICE Parts Registry Software Platform. ACS Synthetic Biology, 2021, 10, 2649-2660.	3.8	9
10	Editorial: Multi-Omics Technologies for Optimizing Synthetic Biomanufacturing. Frontiers in Bioengineering and Biotechnology, 2021, 9, 818010.	4.1	1
11	Systems and synthetic biology tools for advanced bioproduction hosts. Current Opinion in Biotechnology, 2020, 64, 101-109.	6.6	38
12	Comparative ultrafast spectroscopy and structural analysis of OCP1 and OCP2 from Tolypothrix. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148120.	1.0	22
13	The Horace Brown Medal. Forever in focus: researches in malting and brewing sciences. Journal of the Institute of Brewing, 2020, 126, 4-13.	2.3	7
14	Leveraging host metabolism for bisdemethoxycurcumin production in Pseudomonas putida. Metabolic Engineering Communications, 2020, 10, e00119.	3.6	41
15	Production of tetra-methylpyrazine using engineered Corynebacterium glutamicum. Metabolic Engineering Communications, 2020, 10, e00115.	3.6	9
16	Structural Mechanism of Regioselectivity in an Unusual Bacterial Acyl-CoA Dehydrogenase. Journal of the American Chemical Society, 2020, 142, 835-846.	13.7	9
17	Development of Container Free Sample Exposure for Synchrotron X-ray Footprinting. Analytical Chemistry, 2020, 92, 1565-1573.	6.5	5
18	Allosteric Priming of E.Âcoli CheY by the Flagellar Motor Protein FliM. Biophysical Journal, 2020, 119, 1108-1122.	0.5	9

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19	Genome-scale metabolic rewiring improves titers rates and yields of the non-native product indigoidine at scale. Nature Communications, 2020, 11, 5385.	12.8	67
20	Structural analysis of a new carotenoid-binding protein: the C-terminal domain homolog of the OCP. Scientific Reports, 2020, 10, 15564.	3.3	18
21	Chemoinformatic-Guided Engineering of Polyketide Synthases. Journal of the American Chemical Society, 2020, 142, 9896-9901.	13.7	13
22	Investigation of Indigoidine Synthetase Reveals a Conserved Active-Site Base Residue of Nonribosomal Peptide Synthetase Oxidases. Journal of the American Chemical Society, 2020, 142, 10931-10935.	13.7	23
23	Response of Pseudomonas putida to Complex, Aromatic€Rich Fractions from Biomass. ChemSusChem, 2020, 13, 4455-4467.	6.8	23
24	Programmable polyketide biosynthesis platform for production of aromatic compounds in yeast. Synthetic and Systems Biotechnology, 2020, 5, 11-18.	3.7	13
25	Systems Analysis of NADH Dehydrogenase Mutants Reveals Flexibility and Limits of Pseudomonas taiwanensis VLB120â€™s Metabolism. Applied and Environmental Microbiology, 2020, 86, .	3.1	4
26	Succession of physiological stages hallmarks the transcriptomic response of theÂfungus Aspergillus niger to lignocellulose. Biotechnology for Biofuels, 2020, 13, 69.	6.2	4
27	Water molecules mediate zinc mobility in the bacterial zinc diffusion channel ZIPB. Journal of Biological Chemistry, 2019, 294, 13327-13335.	3.4	16
28	Separating Golgi Proteins from Cis to Trans Reveals Underlying Properties of Cisternal Localization. Plant Cell, 2019, 31, 2010-2034.	6.6	40
29	Automated â€œCells-To-Peptidesâ€•Sample Preparation Workflow for High-Throughput, Quantitative Proteomic Assays of Microbes. Journal of Proteome Research, 2019, 18, 3752-3761.	3.7	32
30	Omics-driven identification and elimination of valerolactam catabolism in Pseudomonas putida KT2440 for increased product titer. Metabolic Engineering Communications, 2019, 9, e00098.	3.6	25
31	Mevalonate Pathway Promiscuity Enables Noncanonical Terpene Production. ACS Synthetic Biology, 2019, 8, 2238-2247.	3.8	22
32	Massively Parallel Fitness Profiling Reveals Multiple Novel Enzymes in Pseudomonas putida Lysine Metabolism. MBio, 2019, 10, .	4.1	60
33	Lessons from Two Designâ€“Buildâ€“Testâ€“Learn Cycles of Dodecanol Production in Escherichia coli Aided by Machine Learning. ACS Synthetic Biology, 2019, 8, 1337-1351.	3.8	107
34	Methyl ketone production by Pseudomonas putida is enhanced by plantâ€derived amino acids. Biotechnology and Bioengineering, 2019, 116, 1909-1922.	3.3	29
35	Engineering Corynebacterium glutamicum to produce the biogasoline isopentenol from plant biomass hydrolysates. Biotechnology for Biofuels, 2019, 12, 41.	6.2	51
36	X-ray radiolytic labeling reveals the molecular basis of orange carotenoid protein photoprotection and its interactions with fluorescence recovery protein. Journal of Biological Chemistry, 2019, 294, 8848-8860.	3.4	25

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37	Biosynthesis and secretion of the microbial sulfated peptide RaxX and binding to the rice XA21 immune receptor. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8525-8534.	7.1	64
38	Complete biosynthesis of cannabinoids and their unnatural analogues in yeast. Nature, 2019, 567, 123-126.	27.8	473
39	A rapid methods development workflow for high-throughput quantitative proteomic applications. PLoS ONE, 2019, 14, e0211582.	2.5	17
40	Heterohexamers Formed by CcmK3 and CcmK4 Increase the Complexity of Beta Carboxysome Shells. Plant Physiology, 2019, 179, 156-167.	4.8	61
41	Recent Advances in X-Ray Hydroxyl Radical Footprinting at the Advanced Light Source Synchrotron. Protein and Peptide Letters, 2019, 26, 70-75.	0.9	4
42	Integrated analysis of isopentenyl pyrophosphate (IPP) toxicity in isoprenoid-producing Escherichia coli. Metabolic Engineering, 2018, 47, 60-72.	7.0	106
43	A Glimpse into the Sequence of Structural Changes in the Orange Carotenoid Protein Which Switch on the Photoprotection Mechanism in Cyanobacteria. Biophysical Journal, 2018, 114, 386a.	0.5	0
44	Biochemical Characterization of Î²â€Amino Acid Incorporation in Fluvirucinâ€…B₂ Biosynthesis. ChemBioChem, 2018, 19, 1391-1395.	2.6	11
45	Improving methyl ketone production in Escherichia coli by heterologous expression of NADHâ€dependent FabG. Biotechnology and Bioengineering, 2018, 115, 1161-1172.	3.3	15
46	Toward industrial production of isoprenoids in Escherichia coli: Lessons learned from CRISPRâ€Cas9 based optimization of a chromosomally integrated mevalonate pathway. Biotechnology and Bioengineering, 2018, 115, 1000-1013.	3.3	39
47	Industrial brewing yeast engineered for the production of primary flavor determinants in hopped beer. Nature Communications, 2018, 9, 965.	12.8	152
48	Discovery of enzymes for toluene synthesis from anoxic microbial communities. Nature Chemical Biology, 2018, 14, 451-457.	8.0	47
49	A bacterial pioneer produces cellulase complexes that persist through community succession. Nature Microbiology, 2018, 3, 99-107.	13.3	38
50	Renewable production of high density jet fuel precursor sesquiterpenes from Escherichia coli. Biotechnology for Biofuels, 2018, 11, 285.	6.2	43
51	Viscous control of cellular respiration by membrane lipid composition. Science, 2018, 362, 1186-1189.	12.6	167
52	Restoration of biofuel production levels and increased tolerance under ionic liquid stress is enabled by a mutation in the essential Escherichia coli gene cydC. Microbial Cell Factories, 2018, 17, 159.	4.0	33
53	Probing the Flexibility of an Iterative Modular Polyketide Synthase with Non-Native Substrates in Vitro. ACS Chemical Biology, 2018, 13, 2261-2268.	3.4	21
54	Engineering glucose metabolism of Escherichia coli under nitrogen starvation. Npj Systems Biology and Applications, 2017, 3, 16035.	3.0	34

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55	Programming mRNA decay to modulate synthetic circuit resource allocation. Nature Communications, 2017, 8, 15128.	12.8	50
56	Engineering high-level production of fatty alcohols by Saccharomyces cerevisiae from lignocellulosic feedstocks. Metabolic Engineering, 2017, 42, 115-125.	7.0	97
57	Production of jet fuel precursor monoterpenoids from engineered Escherichia coli. Biotechnology and Bioengineering, 2017, 114, 1703-1712.	3.3	81
58	Multiple marker abundance profiling: combining selected reaction monitoring and dataâ€dependent acquisition for rapid estimation of organelle abundance in subcellular samples. Plant Journal, 2017, 92, 1202-1217.	5.7	42
59	Heterologous Gene Expression of N-Terminally Truncated Variants of LipPks1 Suggests a Functionally Critical Structural Motif in the N-terminus of Modular Polyketide Synthase. ACS Chemical Biology, 2017, 12, 2725-2729.	3.4	12
60	The Experiment Data Depot: A Web-Based Software Tool for Biological Experimental Data Storage, Sharing, and Visualization. ACS Synthetic Biology, 2017, 6, 2248-2259.	3.8	45
61	Oxidative cyclization of prodigiosin by an alkylglycerol monooxygenase-like enzyme. Nature Chemical Biology, 2017, 13, 1155-1157.	8.0	25
62	The Molecular Basis for Binding of an Electron Transfer Protein to a Metal Oxide Surface. Journal of the American Chemical Society, 2017, 139, 12647-12654.	13.7	33
63	Expression of Aspergillus niger CAZymes is determined by compositional changes in wheat straw generated by hydrothermal or ionic liquid pretreatments. Biotechnology for Biofuels, 2017, 10, 35.	6.2	18
64	Characterizing Strain Variation in Engineered E.Âcoli Using a Multi-Omics-Based Workflow. Cell Systems, 2016, 2, 335-346.	6.2	73
65	Synthetic and systems biology for microbial production of commodity chemicals. Npj Systems Biology and Applications, 2016, 2, 16009.	3.0	187
66	In vitro Characterization of Phenylacetate Decarboxylase, a Novel Enzyme Catalyzing Toluene Biosynthesis in an Anaerobic Microbial Community. Scientific Reports, 2016, 6, 31362.	3.3	27
67	Synchrotron X-ray footprinting as a method to visualize water in proteins. Journal of Synchrotron Radiation, 2016, 23, 1056-1069.	2.4	21
68	A second-generation expression system for tyrosine-sulfated proteins and its application in crop protection. Integrative Biology (United Kingdom), 2016, 8, 542-545.	1.3	23
69	Free-Flow Electrophoresis of Plasma Membrane Vesicles Enriched by Two-Phase Partitioning Enhances the Quality of the Proteome from Arabidopsis Seedlings. Journal of Proteome Research, 2016, 15, 900-913.	3.7	47
70	Engineering a Polyketide Synthase for In Vitro Production of Adipic Acid. ACS Synthetic Biology, 2016, 5, 21-27.	3.8	69
71	Investigation of Proposed Ladderane Biosynthetic Genes from Anammox Bacteria by Heterologous Expression in E. coli. PLoS ONE, 2016, 11, e0151087.	2.5	26
72	Analytics for Metabolic Engineering. Frontiers in Bioengineering and Biotechnology, 2015, 3, 135.	4.1	79

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73	Divergent Mechanistic Routes for the Formation of gemâ€Dimethyl Groups in the Biosynthesis of Complex Polyketides. Angewandte Chemie, 2015, 127, 2400-2403.	2.0	4
74	Principal component analysis of proteomics (PCAP) as a tool to direct metabolic engineering. Metabolic Engineering, 2015, 28, 123-133.	7.0	140
75	Divergent Mechanistic Routes for the Formation of gemâ€Dimethyl Groups in the Biosynthesis of Complex Polyketides. Angewandte Chemie - International Edition, 2015, 54, 2370-2373.	13.8	28
76	Metabolic engineering for the high-yield production of isoprenoid-based C5 alcohols in E. coli. Scientific Reports, 2015, 5, 11128.	3.3	125
77	The rice immune receptor XA21 recognizes a tyrosine-sulfated protein from a Gram-negative bacterium. Science Advances, 2015, 1, e1500245.	10.3	209
78	Transgenic Expression of the Dicotyledonous Pattern Recognition Receptor EFR in Rice Leads to Ligand-Dependent Activation of Defense Responses. PLoS Pathogens, 2015, 11, e1004809.	4.7	103
79	Identification and Characterization of a Golgi-Localized UDP-Xylose Transporter Family from Arabidopsis. Plant Cell, 2015, 27, 1218-1227.	6.6	61
80	A 12 Ã... carotenoid translocation in a photoswitch associated with cyanobacterial photoprotection. Science, 2015, 348, 1463-1466.	12.6	192
81	Standard Flow Liquid Chromatography for Shotgun Proteomics in Bioenergy Research. Frontiers in Bioengineering and Biotechnology, 2015, 3, 44.	4.1	44
82	Local and global structural drivers for the photoactivation of the orange carotenoid protein. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5567-74.	7.1	121
83	A kineticâ€based approach to understanding heterologous mevalonate pathway function in E. coli. Biotechnology and Bioengineering, 2015, 112, 111-119.	3.3	42
84	Development of a Native Escherichia coli Induction System for Ionic Liquid Tolerance. PLoS ONE, 2014, 9, e101115.	2.5	31
85	Understanding the Role of Histidine in the GHSxG Acyltransferase Active Site Motif: Evidence for Histidine Stabilization of the Malonyl-Enzyme Intermediate. PLoS ONE, 2014, 9, e109421.	2.5	10
86	A Peptide-Based Method for 13C Metabolic Flux Analysis in Microbial Communities. PLoS Computational Biology, 2014, 10, e1003827.	3.2	56
87	An XA21-Associated Kinase (OsSERK2) Regulates Immunity Mediated by the XA21 and XA3 Immune Receptors. Molecular Plant, 2014, 7, 874-892.	8.3	129
88	Correlation analysis of targeted proteins and metabolites to assess and engineer microbial isopentenol production. Biotechnology and Bioengineering, 2014, 111, 1648-1658.	3.3	89
89	Metabolic pathway optimization using ribosome binding site variants and combinatorial gene assembly. Applied Microbiology and Biotechnology, 2014, 98, 1567-1581.	3.6	94
90	Analysis of plant nucleotide sugars by hydrophilic interaction liquid chromatography and tandem mass spectrometry. Analytical Biochemistry, 2014, 448, 14-22.	2.4	49

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91	Secretome analysis of the thermophilic xylanase hyper-producer Thermomyces lanuginosus SSBP cultivated on corn cobs. Journal of Industrial Microbiology and Biotechnology, 2014, 41, 1687-1696.	3.0	32
92	Production of anteiso-branched fatty acids in Escherichia coli; next generation biofuels with improved cold-flow properties. Metabolic Engineering, 2014, 26, 111-118.	7.0	55
93	In Vitro Analysis of Carboxyacyl Substrate Tolerance in the Loading and First Extension Modules of Borrelidin Polyketide Synthase. Biochemistry, 2014, 53, 5975-5977.	2.5	21
94	Identification of a Sphingolipid Î±-Glucuronosyltransferase That Is Essential for Pollen Function inArabidopsisÂ Â Â. Plant Cell, 2014, 26, 3314-3325.	6.6	80
95	Use of Nonionic Surfactants for Improvement of Terpene Production in Saccharomyces cerevisiae. Applied and Environmental Microbiology, 2014, 80, 6685-6693.	3.1	24
96	A targeted proteomics toolkit for high-throughput absolute quantification of Escherichia coli proteins. Metabolic Engineering, 2014, 26, 48-56.	7.0	45
97	Development of a microsecond X-ray protein footprinting facility at the Advanced Light Source. Journal of Synchrotron Radiation, 2014, 21, 690-699.	2.4	39
98	Application of targeted proteomics and biological parts assembly in E. coli to optimize the biosynthesis of an anti-malarial drug precursor, amorpha-4,11-diene. Chemical Engineering Science, 2013, 103, 21-28.	3.8	14
99	Metabolic engineering of Escherichia coli for limonene and perillyl alcohol production. Metabolic Engineering, 2013, 19, 33-41.	7.0	343
100	Engineering dynamic pathway regulation using stress-response promoters. Nature Biotechnology, 2013, 31, 1039-1046.	17.5	411
101	Proteome coverage of the model plant Arabidopsis thaliana: Implications for shotgun proteomic studies. Journal of Proteomics, 2013, 79, 195-199.	2.4	4
102	Golgi Enrichment and Proteomic Analysis of Developing Pinus radiata Xylem by Free-Flow Electrophoresis. PLoS ONE, 2013, 8, e84669.	2.5	11
103	Cells determine cell density using a small protein bound to a unique tissue-specific phospholipid. PeerJ, 2013, 1, e192.	2.0	4
104	Supplementation of Intracellular XylR Leads to Coutilization of Hemicellulose Sugars. Applied and Environmental Microbiology, 2012, 78, 2221-2229.	3.1	27
105	Isolation and Proteomic Characterization of the Arabidopsis Golgi Defines Functional and Novel Components Involved in Plant Cell Wall Biosynthesis Â Â. Plant Physiology, 2012, 159, 12-26.	4.8	164
106	Enhancing fatty acid production by the expression of the regulatory transcription factor FadR. Metabolic Engineering, 2012, 14, 653-660.	7.0	173
107	Modular Engineering of <scp>l</scp> -Tyrosine Production in Escherichia coli. Applied and Environmental Microbiology, 2012, 78, 89-98.	3.1	240
108	Manipulation of the carbon storage regulator system for metabolite remodeling and biofuel production in Escherichia coli. Microbial Cell Factories, 2012, 11, 79.	4.0	53

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109	Thermoascus aurantiacus is a promising source of enzymes for biomass deconstruction under thermophilic conditions. Biotechnology for Biofuels, 2012, 5, 54.	6.2	88
110	Targeted Proteomics for Metabolic Pathway Optimization. Methods in Molecular Biology, 2012, 944, 237-249.	0.9	19
111	Application of targeted proteomics to metabolically engineered <scp>E</scp>scherichia coli. Proteomics, 2012, 12, 1289-1299.	2.2	21
112	A Thermophilic Ionic Liquid-Tolerant Cellulase Cocktail for the Production of Cellulosic Biofuels. PLoS ONE, 2012, 7, e37010.	2.5	98
113	Analysis of theArabidopsisCytosolic Proteome Highlights Subcellular Partitioning of Central Plant Metabolism. Journal of Proteome Research, 2011, 10, 1571-1582.	3.7	113
114	Organelle Membrane Proteomics Reveals Differential Influence of Mycobacterial Lipoglycans on Macrophage Phagosome Maturation and Autophagosome Accumulation. Journal of Proteome Research, 2011, 10, 339-348.	3.7	62
115	Optimization of a heterologous mevalonate pathway through the use of variant HMG-CoA reductases. Metabolic Engineering, 2011, 13, 588-597.	7.0	141
116	Targeted proteomics for metabolic pathway optimization: Application to terpene production. Metabolic Engineering, 2011, 13, 194-203.	7.0	169
117	The Interconversion of UDP-Arabinopyranose and UDP-Arabinofuranose Is Indispensable for Plant Development inArabidopsisÂ Â Â. Plant Cell, 2011, 23, 1373-1390.	6.6	134
118	Towards a Rigorous Network of Protein-Protein Interactions of the Model Sulfate Reducer Desulfovibrio vulgaris Hildenborough. PLoS ONE, 2011, 6, e21470.	2.5	12
119	The Role of Proteomics in the Development of Cellulosic Biofuels. Current Proteomics, 2010, 7, 121-134.	0.3	5
120	A Minimalist Substrate for Enzymatic Peptide and Protein Conjugation. ChemBioChem, 2009, 10, 2934-2943.	2.6	27
121	Synthetic protein scaffolds provide modular control over metabolic flux. Nature Biotechnology, 2009, 27, 753-759.	17.5	1,071
122	Metabolic engineering of Saccharomyces cerevisiae for the production of n-butanol. Microbial Cell Factories, 2008, 7, 36.	4.0	417
123	Membrane proteomics of phagosomes suggests a connection to autophagy. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16952-16957.	7.1	96
124	Assessing Color Quality of Beer. ACS Symposium Series, 2008, , 192-202.	0.5	17
125	Lipidomics reveals control of Mycobacterium tuberculosis virulence lipids via metabolic coupling. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5133-5138.	7.1	185
126	PapA1 and PapA2 are acyltransferases essential for the biosynthesis of the Mycobacterium tuberculosis virulence factor Sulfolipid-1. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 11221-11226.	7.1	91

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127	Experimental Investigations of the Internal Energy of Molecules Evaporated via Laser-Induced Acoustic Desorption into a Fourier Transform Ion Cyclotron Resonance Mass Spectrometer. Analytical Chemistry, 2007, 79, 1825-1832.	6.5	29
128	Identification of the Intermediates of in Vivo Oxidation of 1,4-Dioxane by Monooxygenase-Containing Bacteria. Environmental Science & Technology, 2007, 41, 7330-7336.	10.0	106
129	Characterization of Laser-Induced Acoustic Desorption Coupled with a Fourier Transform Ion Cyclotron Resonance Mass Spectrometer. Analytical Chemistry, 2006, 78, 6133-6139.	6.5	41
130	A sulfated metabolite produced by stf3 negatively regulates the virulence of Mycobacterium tuberculosis. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4258-4263.	7.1	52
131	Structural characterization of lipoarabinomannans from Mycobacterium tuberculosis and Mycobacterium smegmatis by ESI mass spectrometry. Journal of the American Society for Mass Spectrometry, 2005, 16, 1109-1116.	2.8	17
132	Phenyl Radicals React with Dinucleoside Phosphates by Addition to Purine Bases and H-Atom Abstraction from a Sugar Moiety. Journal of the American Chemical Society, 2005, 127, 12758-12759.	13.7	28
133	Identification, function and structure of the mycobacterial sulfotransferase that initiates sulfolipid-1 biosynthesis. Nature Structural and Molecular Biology, 2004, 11, 721-729.	8.2	100
134	Screening and Identification of Acidic Carbohydrates in Bovine Colostrum by Using Ion/Molecule Reactions and Fourier Transform Ion Cyclotron Resonance Mass Spectrometry:Â Specificity toward Phosphorylated Complexes. Analytical Chemistry, 2004, 76, 203-210.	6.5	18
135	Investigation of ion/molecule reactions as a quantification method for phosphorylated positional isomers: An FT-ICR approach. Journal of the American Society for Mass Spectrometry, 2003, 14, 916-924.	2.8	29
136	Charge-Site Effects on the Radical Reactivity of Distonic Ionsâ€. Journal of Physical Chemistry A, 2002, 106, 9767-9775.	2.5	35
137	Chemical Properties of apara-Benzyne. Journal of the American Chemical Society, 2002, 124, 12066-12067.	13.7	42
138	Gas-phase reactions of charged phenyl radicals with neutral biomolecules evaporated by laser-induced acoustic desorption. Journal of the American Society for Mass Spectrometry, 2002, 13, 192-194.	2.8	27
139	Examination of barriered and barrierless hydrogen atom abstraction reactions by organic radical cations: the cytosine radical cation. International Journal of Mass Spectrometry, 2001, 212, 455-466.	1.5	7
140	Laser-induced acoustic desorption/chemical ionization in Fourier-transform ion cyclotron resonance mass spectrometry. International Journal of Mass Spectrometry, 2000, 198, 173-188.	1.5	71
141	Laser desorption in transmission geometry inside a Fourier-transform ion cyclotron resonance mass spectrometer. Journal of the American Society for Mass Spectrometry, 1999, 10, 1105-1110.	2.8	36