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	Synthetic protein scaffolds provide modular control over metabolic flux. Nature Biotechnology, 2009, 27, 753-759.	17.5	1,071
2	Complete biosynthesis of cannabinoids and their unnatural analogues in yeast. Nature, 2019, 567, 123-126.	27.8	473
3	Metabolic engineering of Saccharomyces cerevisiae for the production of n-butanol. Microbial Cell Factories, 2008, 7, 36.	4.0	417
4	Engineering dynamic pathway regulation using stress-response promoters. Nature Biotechnology, 2013, 31, 1039-1046.	17.5	411
5	Metabolic engineering of Escherichia coli for limonene and perillyl alcohol production. Metabolic Engineering, 2013, 19, 33-41.	7.0	343
6	Modular Engineering of <scp>l</scp> -Tyrosine Production in Escherichia coli. Applied and Environmental Microbiology, 2012, 78, 89-98.	3.1	240
7	The rice immune receptor XA21 recognizes a tyrosine-sulfated protein from a Gram-negative bacterium. Science Advances, 2015, 1, e1500245.	10.3	209
8	A 12 Ã... carotenoid translocation in a photoswitch associated with cyanobacterial photoprotection. Science, 2015, 348, 1463-1466.	12.6	192
9	Synthetic and systems biology for microbial production of commodity chemicals. Npj Systems Biology and Applications, 2016, 2, 16009.	3.0	187
10	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
11	Enhancing fatty acid production by the expression of the regulatory transcription factor FadR. Metabolic Engineering, 2012, 14, 653-660.	7.0	173
12	Targeted proteomics for metabolic pathway optimization: Application to terpene production. Metabolic Engineering, 2011, 13, 194-203.	7.0	169
13	Viscous control of cellular respiration by membrane lipid composition. Science, 2018, 362, 1186-1189.	12.6	167
14	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
15	Industrial brewing yeast engineered for the production of primary flavor determinants in hopped beer. Nature Communications, 2018, 9, 965.	12.8	152
16	Optimization of a heterologous mevalonate pathway through the use of variant HMG-CoA reductases. Metabolic Engineering, 2011, 13, 588-597.	7.0	141
17	Principal component analysis of proteomics (PCAP) as a tool to direct metabolic engineering. Metabolic Engineering, 2015, 28, 123-133.	7.0	140
18	Machine learning for metabolic engineering: A review. Metabolic Engineering, 2021, 63, 34-60.	7.0	135

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19	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
20	An XA21-Associated Kinase (OsSERK2) Regulates Immunity Mediated by the XA21 and XA3 Immune Receptors. Molecular Plant, 2014, 7, 874-892.	8.3	129
21	Metabolic engineering for the high-yield production of isoprenoid-based C5 alcohols in E. coli. Scientific Reports, 2015, 5, 11128.	3.3	125
22	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
23	Analysis of theArabidopsisCytosolic Proteome Highlights Subcellular Partitioning of Central Plant Metabolism. Journal of Proteome Research, 2011, 10, 1571-1582.	3.7	113
24	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
25	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
26	Integrated analysis of isopentenyl pyrophosphate (IPP) toxicity in isoprenoid-producing Escherichia coli. Metabolic Engineering, 2018, 47, 60-72.	7.0	106
27	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
28	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
29	A Thermophilic Ionic Liquid-Tolerant Cellulase Cocktail for the Production of Cellulosic Biofuels. PLoS ONE, 2012, 7, e37010.	2.5	98
30	Engineering high-level production of fatty alcohols by Saccharomyces cerevisiae from lignocellulosic feedstocks. Metabolic Engineering, 2017, 42, 115-125.	7.0	97
31	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
32	Metabolic pathway optimization using ribosome binding site variants and combinatorial gene assembly. Applied Microbiology and Biotechnology, 2014, 98, 1567-1581.	3.6	94
33	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
34	Correlation analysis of targeted proteins and metabolites to assess and engineer microbial isopentenol production. Biotechnology and Bioengineering, 2014, 111, 1648-1658.	3.3	89
35	Thermoascus aurantiacus is a promising source of enzymes for biomass deconstruction under thermophilic conditions. Biotechnology for Biofuels, 2012, 5, 54.	6.2	88
36	Functional genetics of human gut commensal Bacteroides thetaiotaomicron reveals metabolic requirements for growth across environments. Cell Reports, 2021, 34, 108789.	6.4	82

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37	Production of jet fuel precursor monoterpenoids from engineered Escherichia coli. Biotechnology and Bioengineering, 2017, 114, 1703-1712.	3.3	81
38	Identification of a Sphingolipid Î±-Glucuronosyltransferase That Is Essential for Pollen Function inArabidopsisÂ Â Â. Plant Cell, 2014, 26, 3314-3325.	6.6	80
39	Analytics for Metabolic Engineering. Frontiers in Bioengineering and Biotechnology, 2015, 3, 135.	4.1	79
40	Characterizing Strain Variation in Engineered E.Âcoli Using a Multi-Omics-Based Workflow. Cell Systems, 2016, 2, 335-346.	6.2	73
41	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
42	Engineering a Polyketide Synthase for In Vitro Production of Adipic Acid. ACS Synthetic Biology, 2016, 5, 21-27.	3.8	69
43	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
44	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
45	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
46	Identification and Characterization of a Golgi-Localized UDP-Xylose Transporter Family from Arabidopsis. Plant Cell, 2015, 27, 1218-1227.	6.6	61
47	Heterohexamers Formed by CcmK3 and CcmK4 Increase the Complexity of Beta Carboxysome Shells. Plant Physiology, 2019, 179, 156-167.	4.8	61
48	Massively Parallel Fitness Profiling Reveals Multiple Novel Enzymes in Pseudomonas putida Lysine Metabolism. MBio, 2019, 10, .	4.1	60
49	A Peptide-Based Method for 13C Metabolic Flux Analysis in Microbial Communities. PLoS Computational Biology, 2014, 10, e1003827.	3.2	56
50	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
51	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
52	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
53	Engineering Corynebacterium glutamicum to produce the biogasoline isopentenol from plant biomass hydrolysates. Biotechnology for Biofuels, 2019, 12, 41.	6.2	51
54	Programming mRNA decay to modulate synthetic circuit resource allocation. Nature Communications, 2017, 8, 15128.	12.8	50

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55	Analysis of plant nucleotide sugars by hydrophilic interaction liquid chromatography and tandem mass spectrometry. Analytical Biochemistry, 2014, 448, 14-22.	2.4	49
56	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
57	Discovery of enzymes for toluene synthesis from anoxic microbial communities. Nature Chemical Biology, 2018, 14, 451-457.	8.0	47
58	A targeted proteomics toolkit for high-throughput absolute quantification of Escherichia coli proteins. Metabolic Engineering, 2014, 26, 48-56.	7.0	45
59	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
60	Standard Flow Liquid Chromatography for Shotgun Proteomics in Bioenergy Research. Frontiers in Bioengineering and Biotechnology, 2015, 3, 44.	4.1	44
61	Renewable production of high density jet fuel precursor sesquiterpenes from Escherichia coli. Biotechnology for Biofuels, 2018, 11, 285.	6.2	43
62	Chemical Properties of apara-Benzyne. Journal of the American Chemical Society, 2002, 124, 12066-12067.	13.7	42
63	A kineticâ€based approach to understanding heterologous mevalonate pathway function in E. coli. Biotechnology and Bioengineering, 2015, 112, 111-119.	3.3	42
64	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
65	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
66	Leveraging host metabolism for bisdemethoxycurcumin production in Pseudomonas putida. Metabolic Engineering Communications, 2020, 10, e00119.	3.6	41
67	Separating Golgi Proteins from Cis to Trans Reveals Underlying Properties of Cisternal Localization. Plant Cell, 2019, 31, 2010-2034.	6.6	40
68	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
69	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
70	A bacterial pioneer produces cellulase complexes that persist through community succession. Nature Microbiology, 2018, 3, 99-107.	13.3	38
71	Systems and synthetic biology tools for advanced bioproduction hosts. Current Opinion in Biotechnology, 2020, 64, 101-109.	6.6	38
72	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

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73	Charge-Site Effects on the Radical Reactivity of Distonic Ionsâ€. Journal of Physical Chemistry A, 2002, 106, 9767-9775.	2.5	35
74	Engineering glucose metabolism of Escherichia coli under nitrogen starvation. Npj Systems Biology and Applications, 2017, 3, 16035.	3.0	34
75	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
76	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
77	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
78	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
79	Development of a Native Escherichia coli Induction System for Ionic Liquid Tolerance. PLoS ONE, 2014, 9, e101115.	2.5	31
80	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
81	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
82	Methyl ketone production by Pseudomonas putida is enhanced by plantâ€derived amino acids. Biotechnology and Bioengineering, 2019, 116, 1909-1922.	3.3	29
83	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
84	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
85	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
86	A Minimalist Substrate for Enzymatic Peptide and Protein Conjugation. ChemBioChem, 2009, 10, 2934-2943.	2.6	27
87	Supplementation of Intracellular XylR Leads to Coutilization of Hemicellulose Sugars. Applied and Environmental Microbiology, 2012, 78, 2221-2229.	3.1	27
88	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
89	Investigation of Proposed Ladderane Biosynthetic Genes from Anammox Bacteria by Heterologous Expression in E. coli. PLoS ONE, 2016, 11, e0151087.	2.5	26
90	Oxidative cyclization of prodigiosin by an alkylglycerol monooxygenase-like enzyme. Nature Chemical Biology, 2017, 13, 1155-1157.	8.0	25

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91	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
92	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
93	Use of Nonionic Surfactants for Improvement of Terpene Production in Saccharomyces cerevisiae. Applied and Environmental Microbiology, 2014, 80, 6685-6693.	3.1	24
94	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
95	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
96	Response of Pseudomonas putida to Complex, Aromaticâ€Rich Fractions from Biomass. ChemSusChem, 2020, 13, 4455-4467.	6.8	23
97	Mevalonate Pathway Promiscuity Enables Noncanonical Terpene Production. ACS Synthetic Biology, 2019, 8, 2238-2247.	3.8	22
98	Comparative ultrafast spectroscopy and structural analysis of OCP1 and OCP2 from Tolypothrix. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148120.	1.0	22
99	Application of targeted proteomics to metabolically engineered <scp>E</scp>scherichia coli. Proteomics, 2012, 12, 1289-1299.	2.2	21
100	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
101	Synchrotron X-ray footprinting as a method to visualize water in proteins. Journal of Synchrotron Radiation, 2016, 23, 1056-1069.	2.4	21
102	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
103	Faster, better, and cheaper: harnessing microfluidics and mass spectrometry for biotechnology. RSC Chemical Biology, 2021, 2, 1331-1351.	4.1	20
104	Targeted Proteomics for Metabolic Pathway Optimization. Methods in Molecular Biology, 2012, 944, 237-249.	0.9	19
105	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
106	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
107	Structural analysis of a new carotenoid-binding protein: the C-terminal domain homolog of the OCP. Scientific Reports, 2020, 10, 15564.	3.3	18
108	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

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109	Assessing Color Quality of Beer. ACS Symposium Series, 2008, , 192-202.	0.5	17
110	A rapid methods development workflow for high-throughput quantitative proteomic applications. PLoS ONE, 2019, 14, e0211582.	2.5	17
111	Water molecules mediate zinc mobility in the bacterial zinc diffusion channel ZIPB. Journal of Biological Chemistry, 2019, 294, 13327-13335.	3.4	16
112	Improving methyl ketone production in Escherichia coli by heterologous expression of NADHâ€dependent FabG. Biotechnology and Bioengineering, 2018, 115, 1161-1172.	3.3	15
113	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
114	Chemoinformatic-Guided Engineering of Polyketide Synthases. Journal of the American Chemical Society, 2020, 142, 9896-9901.	13.7	13
115	Programmable polyketide biosynthesis platform for production of aromatic compounds in yeast. Synthetic and Systems Biotechnology, 2020, 5, 11-18.	3.7	13
116	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
117	Towards a Rigorous Network of Protein-Protein Interactions of the Model Sulfate Reducer Desulfovibrio vulgaris Hildenborough. PLoS ONE, 2011, 6, e21470.	2.5	12
118	Golgi Enrichment and Proteomic Analysis of Developing Pinus radiata Xylem by Free-Flow Electrophoresis. PLoS ONE, 2013, 8, e84669.	2.5	11
119	Biochemical Characterization of Î²â€Amino Acid Incorporation in Fluvirucinâ€…B₂ Biosynthesis. ChemBioChem, 2018, 19, 1391-1395.	2.6	11
120	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
121	Production of tetra-methylpyrazine using engineered Corynebacterium glutamicum. Metabolic Engineering Communications, 2020, 10, e00115.	3.6	9
122	Structural Mechanism of Regioselectivity in an Unusual Bacterial Acyl-CoA Dehydrogenase. Journal of the American Chemical Society, 2020, 142, 835-846.	13.7	9
123	Allosteric Priming of E.Âcoli CheY by the Flagellar Motor Protein FliM. Biophysical Journal, 2020, 119, 1108-1122.	0.5	9
124	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
125	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
126	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

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127	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
128	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
129	The Role of Proteomics in the Development of Cellulosic Biofuels. Current Proteomics, 2010, 7, 121-134.	0.3	5
130	Development of Container Free Sample Exposure for Synchrotron X-ray Footprinting. Analytical Chemistry, 2020, 92, 1565-1573.	6.5	5
131	Proteome coverage of the model plant Arabidopsis thaliana: Implications for shotgun proteomic studies. Journal of Proteomics, 2013, 79, 195-199.	2.4	4
132	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
133	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
134	Succession of physiological stages hallmarks the transcriptomic response of theÂfungus Aspergillus niger to lignocellulose. Biotechnology for Biofuels, 2020, 13, 69.	6.2	4
135	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
136	Cells determine cell density using a small protein bound to a unique tissue-specific phospholipid. PeerJ, 2013, 1, e192.	2.0	4
137	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
138	Modular automated bottom-up proteomic sample preparation for high-throughput applications. PLoS ONE, 2022, 17, e0264467.	2.5	3
139	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
140	Editorial: Multi-Omics Technologies for Optimizing Synthetic Biomanufacturing. Frontiers in Bioengineering and Biotechnology, 2021, 9, 818010.	4.1	1
141	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