Timothy D H Bugg

List of Publications by Year
in descending order

118 papers	8,740 citations	61984 43 h-index	45317 90 g-index
120 all docs	120 docs citations	120 times ranked	9128 citing authors

#	Article	IF	Citations
1	Pathways for degradation of lignin in bacteria and fungi. Natural Product Reports, 2011, 28, 1883.	10.3	781
2	The emerging role for bacteria in lignin degradation and bio-product formation. Current Opinion in Biotechnology, 2011, 22, 394-400.	6.6	627
3	Lignocellulose degradation mechanisms across the Tree of Life. Current Opinion in Chemical Biology, 2015, 29, 108-119.	6.1	478
4	The biosynthesis of peptidoglycan lipid-linked intermediates. FEMS Microbiology Reviews, 2008, 32, 208-233.	8.6	364
5	Identification of DypB from <i>Rhodococcus jostii</i> RHA1 as a Lignin Peroxidase. Biochemistry, 2011, 50, 5096-5107.	2.5	342
6	Carnitine metabolism to trimethylamine by an unusual Rieske-type oxygenase from human microbiota. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4268-4273.	7.1	264
7	Antimicrobial nucleoside antibiotics targeting cell wall assembly: Recent advances in structureâ€"function studies and nucleoside biosynthesis. Natural Product Reports, 2010, 27, 279-304.	10.3	262
8	Does abscisic acid affect strigolactone biosynthesis?. New Phytologist, 2010, 187, 343-354.	7.3	243
9	Development of novel assays for lignin degradation: comparative analysis of bacterial and fungal lignin degraders. Molecular BioSystems, 2010, 6, 815.	2.9	238
10	Bacterial cell wall assembly: still an attractive antibacterial target. Trends in Biotechnology, 2011, 29, 167-173.	9.3	230
11	Breaking Down Lignin to High-Value Chemicals: The Conversion of Lignocellulose to Vanillin in a Gene Deletion Mutant of <i>Rhodococcus jostii</i> RHA1. ACS Chemical Biology, 2013, 8, 2151-2156.	3.4	228
12	Enzymatic conversion of lignin into renewable chemicals. Current Opinion in Chemical Biology, 2015, 29, 10-17.	6.1	209
13	Non-heme iron-dependent dioxygenases: unravelling catalytic mechanisms for complex enzymatic oxidations. Current Opinion in Chemical Biology, 2008, 12, 134-140.	6.1	200
14	Recent advances in antimicrobial nucleoside antibiotics targeting cell wall biosynthesis. Natural Product Reports, 2003, 20, 252-273.	10.3	194
15	Characterization of Dye-Decolorizing Peroxidases from <i>Rhodococcus jostii</i> RHA1. Biochemistry, 2011, 50, 5108-5119.	2.5	144
16	Enzymatic cleavage of aromatic rings: mechanistic aspects of the catechol dioxygenases and later enzymes of bacterial oxidative cleavage pathways. Natural Product Reports, 1998, 15, 513.	10.3	143
17	Periodic root branching in <i>Arabidopsis</i> requires synthesis of an uncharacterized carotenoid derivative. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1300-9.	7.1	139
18	Solving the riddle of the intradiol and extradiol catechol dioxygenases: how do enzymes control hydroperoxide rearrangements?. Chemical Communications, 2001, , 941-952.	4.1	136

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19	Characterisation of Dyp-type peroxidases from Pseudomonas fluorescens Pf-5: Oxidation of Mn(II) and polymeric lignin by Dyp1B. Archives of Biochemistry and Biophysics, 2015, 574, 93-98.	3.0	125
20	Phospho-MurNAc-Pentapeptide Translocase (MraY) as a Target for Antibacterial Agents and Antibacterial Proteins. Infectious Disorders - Drug Targets, 2006, 6, 85-106.	0.8	119
21	Assembly <i>inÂvitro</i> of <i>RhodococcusÂjostii</i>Â<scp>RHA</scp>1 encapsulin and peroxidase DypB to form a nanocompartment. FEBS Journal, 2013, 280, 2097-2104.	4.7	109
22	Biocatalytic conversion of lignin to aromatic dicarboxylic acids in Rhodococcus jostii RHA1 by re-routing aromatic degradation pathways. Green Chemistry, 2015, 17, 4974-4979.	9.0	107
23	Extradiol Oxidative Cleavage of Catechols by Ferrous and Ferric Complexes of 1,4,7-Triazacyclononane:Â Insight into the Mechanism of the Extradiol Catechol Dioxygenases. Journal of the American Chemical Society, 2001, 123, 5030-5039.	13.7	103
24	Enzymology of the carotenoid cleavage dioxygenases: Reaction mechanisms, inhibition and biochemical roles. Archives of Biochemistry and Biophysics, 2014, 544, 105-111.	3.0	99
25	Structure of Thermobifida fusca DyP-type peroxidase and activity towards Kraft lignin and lignin model compounds. Archives of Biochemistry and Biophysics, 2016, 594, 54-60.	3.0	97
26	Identification of Manganese Superoxide Dismutase from <i>Sphingobacterium <i>sp.</i></i> T2 as a Novel Bacterial Enzyme for Lignin Oxidation. ACS Chemical Biology, 2015, 10, 2286-2294.	3.4	93
27	Regulation and Manipulation of the Biosynthesis of Abscisic Acid, Including the Supply of Xanthophyll Precursors. Journal of Plant Growth Regulation, 2005, 24, 253.	5.1	80
28	Cisâˆ'Trans Isomerization of a Cyclopropyl Radical Trap Catalyzed by Extradiol Catechol Dioxygenases:â€‰ Evidence for a Semiquinone Intermediate. Journal of the American Chemical Society, 1996, 118, 8336-8343.	13.7	76
29	Bacterial enzymes for lignin depolymerisation: new biocatalysts for generation of renewable chemicals from biomass. Current Opinion in Chemical Biology, 2020, 55, 26-33.	6.1	75
30	Phospho- N -Acetyl-Muramyl-Pentapeptide Translocase from Escherichia coli : Catalytic Role of Conserved Aspartic Acid Residues. Journal of Bacteriology, 2004, 186, 1747-1757.	2.2	74
31	Investigation of the Chemocatalytic and Biocatalytic Valorization of a Range of Different Lignin Preparations: The Importance of Î²-O-4 Content. ACS Sustainable Chemistry and Engineering, 2016, 4, 6921-6930.	6.7	74
32	Characterization of tRNA-dependent Peptide Bond Formation by MurM in the Synthesis of Streptococcus pneumoniae Peptidoglycan. Journal of Biological Chemistry, 2008, 283, 6402-6417.	3.4	70
33	Lignolytic-consortium omics analyses reveal novel genomes and pathways involved in lignin modification and valorization. Biotechnology for Biofuels, 2018, 11, 75.	6.2	65
34	Catalytic Mechanism of a Câˆ'C Hydrolase Enzyme: Evidence for aGem-Diol Intermediate, Not an Acyl Enzymeâ€. Biochemistry, 2000, 39, 1522-1531.	2.5	59
35	Acidâˆ'Base Catalysis in the Extradiol Catechol Dioxygenase Reaction Mechanism:Â Site-Directed Mutagenesis of His-115 and His-179 inEscherichia coli2,3-Dihydroxyphenylpropionate 1,2-Dioxygenase (MhpB)â€,â€¡. Biochemistry, 2004, 43, 13390-13396.	2.5	59
36	Purification, Characterization, and Stereochemical Analysis of a Câˆ'C Hydrolase:Â 2-Hydroxy-6-keto-nona-2,4-diene-1,9-dioic Acid 5,6-Hydrolase. Biochemistry, 1997, 36, 12242-12251.	2.5	57

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37	Synthesis and activity of 5â€²-Uridinyl dipeptide analogues mimicking the amino terminal peptide chain of nucleoside antibiotic mureidomycin A. Bioorganic and Medicinal Chemistry, 2003, 11, 3083-3099.	3.0	55
38	Diverse catalytic activities in the Î±Î²-hydrolase family of enzymes: activation of H2O, HCN, H2O2, and O2. Bioorganic Chemistry, 2004, 32, 367-375.	4.1	55
39	Inhibition of Escherichia coli glycosyltransferase MurG and Mycobacterium tuberculosis Gal transferase by uridine-linked transition state mimics. Bioorganic and Medicinal Chemistry, 2010, 18, 2651-2663.	3.0	55
40	Structural and functional characterisation of multiâ€copper oxidase CueO from ligninâ€degrading bacterium <i>Ochrobactrum</i> sp. reveal its activity towards lignin model compounds and lignosulfonate. FEBS Journal, 2018, 285, 1684-1700.	4.7	52
41	Lead Structures for New Antibacterials: Stereocontrolled Synthesis of a Bioactive Muraymycin Analogue. Chemistry - A European Journal, 2014, 20, 15292-15297.	3.3	50
42	Catalytic Promiscuity in the Î±/Î²â€Hydrolase Superfamily: Hydroxamic Acid Formation, Cï£¿C Bond Formation, Ester and Thioester Hydrolysis in the Cï£¿C Hydrolase Family. ChemBioChem, 2008, 9, 71-76.	2.6	49
43	Evidence from Mechanistic Probes for Distinct Hydroperoxide Rearrangement Mechanisms in the Intradiol and Extradiol Catechol Dioxygenases. Journal of the American Chemical Society, 2008, 130, 10422-10430.	13.7	46
44	Selective Inhibition of Carotenoid Cleavage Dioxygenases. Journal of Biological Chemistry, 2009, 284, 5257-5264.	3.4	44
45	Pre-Steady-State Kinetic Analysis of 2-Hydroxy-6-keto-nona-2,4-diene-1,9-dioic Acid 5,6-Hydrolase:Â Kinetic Evidence for Enol/Keto Tautomerizationâ€. Biochemistry, 1997, 36, 12252-12258.	2.5	43
46	Purification, characterisation and reaction mechanism of monofunctional 2-hydroxypentadienoic acid hydratase from Escherichia coli. FEBS Journal, 1998, 251, 98-106.	0.2	43
47	Sansanmycin natural product analogues as potent and selective anti-mycobacterials that inhibit lipid I biosynthesis. Nature Communications, 2017, 8, 14414.	12.8	43
48	Functional genomic analysis of bacterial lignin degraders: diversity in mechanisms of lignin oxidation and metabolism. Applied Microbiology and Biotechnology, 2020, 104, 3305-3320.	3.6	41
49	Elucidation of the catalytic mechanisms of the non-haem iron-dependent catechol dioxygenases: synthesis of carba-analogues for hydroperoxide reaction intermediates. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 3277-3289.	1.3	40
50	Native <i>E. coli</i> inner membrane incorporation in solid-supported lipid bilayer membranes. Biointerphases, 2008, 3, FA59-FA67.	1.6	39
51	Biochemical characterization and selective inhibition of Î²â€carotene <i>cisâ€"trans</i> isomerase D27 and carotenoid cleavage dioxygenase <scp>CCD</scp>8 on the strigolactone biosynthetic pathway. FEBS Journal, 2015, 282, 3986-4000.	4.7	39
52	A biomimetic model reaction for the extradiol catechol dioxygenases. Chemical Communications, 2000, , 1119-1120.	4.1	38
53	Characterization of multicopper oxidase CopA from Pseudomonas putida KT2440 and Pseudomonas fluorescens Pf-5: Involvement in bacterial lignin oxidation. Archives of Biochemistry and Biophysics, 2018, 660, 97-107.	3.0	38
54	Consolidated production of coniferol and other high-value aromatic alcohols directly from lignocellulosic biomass. Green Chemistry, 2020, 22, 144-152.	9.0	38

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55	Structureâ€“function studies on nucleoside antibiotic mureidomycin A: synthesis of 5â€²-functionalised uridine models. Journal of the Chemical Society Perkin Transactions 1, 1999, , 1287-1294.	0.9	37
56	Antibiotic Action and Peptidoglycan Formation on Tethered Lipid Bilayer Membranes. Angewandte Chemie - International Edition, 2006, 45, 2111-2116.	13.8	37
57	Stereochemical and mechanistic aspects of dioxygenase-catalysed benzylic hydroxylation of indene and chromane substrates. Organic and Biomolecular Chemistry, 2003, 1, 1298-1307.	2.8	35
58	Interaction of the transmembrane domain of lysis protein E from bacteriophage Ï•X174 with bacterial translocase MraY and peptidyl-prolyl isomerase SlyD. Microbiology (United Kingdom), 2006, 152, 2959-2967.	1.8	35
59	Chemical intervention in bacterial lignin degradation pathways: Development of selective inhibitors for intradiol and extradiol catechol dioxygenases. Bioorganic Chemistry, 2015, 60, 102-109.	4.1	35
60	Catalytic Mechanism of Câ€“C Hydrolase MhpC from Escherichia coli: Kinetic Analysis of His263 and Ser110 Site-directed Mutants. Journal of Molecular Biology, 2005, 346, 241-251.	4.2	34
61	Metabolic engineering of Rhodococcus jostii RHA1 for production of pyridine-dicarboxylic acids from lignin. Microbial Cell Factories, 2021, 20, 15.	4.0	34
62	Delignification and enhanced gas release from soil containing lignocellulose by treatment with bacterial lignin degraders. Journal of Applied Microbiology, 2017, 123, 159-171.	3.1	33
63	Biological Properties of N-Acyl and N-Haloacetyl Neuraminic Acids: Processing by Enzymes of Sialic Acid Metabolism, and Interaction with Influenza Virus. Bioorganic and Medicinal Chemistry, 2002, 10, 3175-3185.	3.0	32
64	Fluorescent reagents for in vitro studies of lipid-linked steps of bacterial peptidoglycan biosynthesis: derivatives of UDPMurNAc-pentapeptide containing d-cysteine at position 4 or 5. Molecular BioSystems, 2006, 2, 484.	2.9	32
65	Production of Substituted Styrene Bioproducts from Lignin and Lignocellulose Using Engineered <i>Pseudomonas putida</i> KT2440. Biotechnology Journal, 2020, 15, e1900571.	3.5	32
66	Inhibition of phospho-MurNAc-pentapeptide translocase (MraY) by nucleoside natural product antibiotics, bacteriophage Ï•X174 lysis protein E, and cationic antibacterial peptides. Bioorganic and Medicinal Chemistry, 2016, 24, 6340-6347.	3.0	31
67	Investigation of a general base mechanism for esterhydrolysis in Câ€“C hydrolase enzymes of the Î±/Î²-hydrolase superfamily: a novel mechanism for the serine catalytic triad. Organic and Biomolecular Chemistry, 2007, 5, 507-513.	2.8	30
68	The development of mechanistic enzymology in the 20th century. Natural Product Reports, 2001, 18, 465-493.	10.3	28
69	Protein engineering of Pseudomonas fluorescens peroxidase Dyp1B for oxidation of phenolic and polymeric lignin substrates. Enzyme and Microbial Technology, 2019, 123, 21-29.	3.2	28
70	Role of the enamide linkage of nucleoside antibiotic mureidomycin A: synthesis and reactivity of enamide-containing analogues. Journal of the Chemical Society Perkin Transactions 1, 1999, , 1279-1286.	0.9	27
71	Mechanism of action of nucleoside antibacterial natural product antibiotics. Journal of Antibiotics, 2019, 72, 865-876.	2.0	27
72	Synthetic 6-aryl-2-hydroxy-6-ketohexa-2,4-dienoic acid substrates for Câ€“C hydrolase BphD: investigation of a general base catalytic mechanism. Organic and Biomolecular Chemistry, 2004, 2, 2942-2950.	2.8	26

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73	Directed Evolution of a Non-Heme-Iron-Dependent Extradiol Catechol Dioxygenase: Identification of Mutants with Intradiol Oxidative Cleavage Activity. ChemBioChem, 2006, 7, 1899-1908.	2.6	26
74	Identification of a Novel Inhibition Site in Translocase MraY Based upon the Site of Interaction with Lysis Protein E from Bacteriophage Ï•X174. ChemBioChem, 2014, 15, 1300-1308.	2.6	26
75	Identification of novel inhibitors of phospho-MurNAc-pentapeptide translocase MraY from library screening: Isoquinoline alkaloid michellamine B and xanthene dye phloxine B. Bioorganic and Medicinal Chemistry, 2014, 22, 4566-4571.	3.0	26
76	<i>Sphingobacterium</i> sp. T2 Manganese Superoxide Dismutase Catalyzes the Oxidative Demethylation of Polymeric Lignin <i>via</i> Generation of Hydroxyl Radical. ACS Chemical Biology, 2018, 13, 2920-2929.	3.4	26
77	Exploring the Lignin Catabolism Potential of Soil-Derived Lignocellulolytic Microbial Consortia by a Gene-Centric Metagenomic Approach. Microbial Ecology, 2020, 80, 885-896.	2.8	26
78	Enhanced biocatalytic degradation of lignin using combinations of lignin-degrading enzymes and accessory enzymes. Catalysis Science and Technology, 2021, 11, 3568-3577.	4.1	26
79	Pseudomonas aeruginosa MurE amide ligase: enzyme kinetics and peptide inhibitor. Biochemical Journal, 2009, 421, 263-272.	3.7	25
80	Bioconversion of lignin-derived aromatics into the building block pyridine 2,4-dicarboxylic acid by engineering recombinant Pseudomonas putida strains. Bioresource Technology, 2022, 346, 126638.	9.6	24
81	Catalytic Role for Arginine 188 in the Câˆ’C Hydrolase Catalytic Mechanism for <i>Escherichia coli</i> MhpC and <i>Burkholderia xenovorans</i> LB400 BphD. Biochemistry, 2006, 45, 12470-12479.	2.5	23
82	Phage display-derived inhibitor of the essential cell wall biosynthesis enzyme MurF. BMC Biochemistry, 2008, 9, 33.	4.4	23
83	Identification of a novel Î²-replacement reaction in the biosynthesis of 2,3-diaminobutyric acid in peptidylnucleoside mureidomycin A. Organic and Biomolecular Chemistry, 2008, 6, 1912.	2.8	23
84	Mechanism of action of the uridyl peptide antibiotics: an unexpected link to a proteinâ€“protein interaction site in translocase MraY. Chemical Communications, 2014, 50, 13023-13025.	4.1	23
85	Selection of peptide inhibitors against the Pseudomonas aeruginosa MurD cell wall enzyme. Peptides, 2006, 27, 1693-1700.	2.4	22
86	Enhanced acid stability of a reduced nicotinamide adenine dinucleotide (NADH) analogue. Chemical Communications, 2001, , 2098-2099.	4.1	20
87	A Solvolytic Câˆ’C Cleavage Reaction of 6-Acetoxycyclohexa-2,4-dienones:Â Mechanistic Implications for the Intradiol Catechol Dioxygenases. Journal of Organic Chemistry, 2001, 66, 2091-2097.	3.2	18
88	Identification of an extracellular bacterial flavoenzyme that can prevent re-polymerisation of lignin fragments. Biochemical and Biophysical Research Communications, 2017, 482, 57-61.	2.1	17
89	Merging Plastics, Microbes, and Enzymes: Highlights from an International Workshop. Applied and Environmental Microbiology, 2022, 88, .	3.1	17
90	The Hydroxyquinol Degradation Pathway in Rhodococcus jostii RHA1 and <i>Agrobacterium</i> Species Is an Alternative Pathway for Degradation of Protocatechuic Acid and Lignin Fragments. Applied and Environmental Microbiology, 2020, 86, .	3.1	16

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91	Adenosine phosphonate inhibitors of lipid II: Alanyl tRNA ligase MurM from Streptococcus pneumoniae. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 4654-4656.	2.2	15
92	Structural basis of carnitine monooxygenase CntA substrate specificity, inhibition, and intersubunit electron transfer. Journal of Biological Chemistry, 2021, 296, 100038.	3.4	15
93	Characterization of Thiamine Diphosphate-Dependent 4-Hydroxybenzoylformate Decarboxylase Enzymes from <i>Rhodococcus jostii</i> RHA1 and <i>Pseudomonas fluorescens</i> Pf-5 Involved in Degradation of Aryl C₂ Lignin Degradation Fragments. Biochemistry, 2019, 58, 5281-5293.	2.5	14
94	Substrate Selectivity and Biochemical Properties of 4-Hydroxy-2-Keto-Pentanoic Acid Aldolase from <i>Escherichia coli</i>. Applied and Environmental Microbiology, 1998, 64, 4093-4094.	3.1	13
95	Covalent modification in aqueous solution of poly-?-D-glutamic acid fromBacillus licheniformis. Journal of Polymer Science Part A, 1998, 36, 1995-1999.	2.3	11
96	Promotion of Germination Using Hydroxamic Acid Inhibitors of 9-cis-Epoxycarotenoid Dioxygenase. Frontiers in Plant Science, 2017, 8, 357.	3.6	11
97	Investigation of acidâ€“base catalysis in the extradiol and intradiol catechol dioxygenase reactions using a broad specificity mutant enzyme and model chemistry. Organic and Biomolecular Chemistry, 2009, 7, 1368.	2.8	10
98	Biomimetic Formation of 2â€Tropolones by Dioxygenaseâ€Catalysed Ring Expansion of Substituted 2,4â€Cyclohexadienones. ChemBioChem, 2010, 11, 272-276.	2.6	9
99	Lightâ€Activated Electron Transfer and Catalytic Mechanism of Carnitine Oxidation by Rieskeâ€Type Oxygenase from Human Microbiota. Angewandte Chemie - International Edition, 2021, 60, 4529-4534.	13.8	9
100	Esterase EstK from <i>Pseudomonas putida</i> mtâ€2: An enantioselective acetylesterase with activity for deacetylation of xylan and poly(vinylacetate). Biotechnology and Applied Biochemistry, 2017, 64, 803-809.	3.1	8
101	Genome Sequence of Lysinibacillus sphaericus, a Lignin-Degrading Bacterium Isolated from Municipal Solid Waste Soil. Genome Announcements, 2018, 6, .	0.8	8
102	Biochemical characterization of<i>Serpula lacrymans</i>iron-reductase enzymes in lignocellulose breakdown. Journal of Industrial Microbiology and Biotechnology, 2020, 47, 145-154.	3.0	8
103	O₂â€independent demethylation of trimethylamine <i>N</i>â€oxide by Tdm of <i>Methylocella silvestris</i>. FEBS Journal, 2016, 283, 3979-3993.	4.7	7
104	Bacterial Enzymes for Lignin Oxidation and Conversion to Renewable Chemicals. Biofuels and Biorefineries, 2016, , 131-146.	0.5	7
105	Thioester analogues of peptidoglycan fragment MurNAc-L-Ala-Î³-D-Glu as substrates for peptidoglycan hydrolase MurNAc-L-Ala amidase. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 1714-1722.	1.3	6
106	Simplified Novel Muraymycin Analogues; using a Serine Template Strategy for Linking Key Pharmacophores. ChemMedChem, 2020, 15, 1429-1438.	3.2	6
107	Phytotoxic effects of selected N-benzyl-benzoylhydroxamic acid metallo-oxygenase inhibitors: investigation into mechanism of action. New Journal of Chemistry, 2013, 37, 3461.	2.8	4
108	2-Hydroxy-6-keto-nona-2,4-diene 1,9-Dioic Acid 5,6-Hydrolase: Evidence from 18O Isotope Exchange for gem-Diol Intermediate. Methods in Enzymology, 2002, 354, 106-118.	1.0	3

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109	In vitro biosynthesis of bacterial peptidoglycan using d-Cys-containing precursors: fluorescent detection of transglycosylation and transpeptidation. Chemical Communications, 2009, , 4037.	4.1	3
110	Observation of the time-course for peptidoglycan lipid intermediate II polymerization by Staphylococcus aureus monofunctional transglycosylase. Microbiology (United Kingdom), 2014, 160, 1628-1636.	1.8	3
111	How to Break the Rules of Dioxygen Activation. Chemistry and Biology, 2014, 21, 168-169.	6.0	3
112	Nucleoside Natural Product Antibiotics Targetting Microbial Cell Wall Biosynthesis. Topics in Medicinal Chemistry, 2017, , 1-25.	0.8	3
113	Editorial: Antibacterial targets for the 21st century. Bioorganic Chemistry, 2014, 55, 1.	4.1	2
114	Editorial overview: Energy: Prospects for fuels and chemicals from a biomass-based biorefinery using post-genomic chemical biology tools. Current Opinion in Chemical Biology, 2015, 29, v-vii.	6.1	2
115	Extracellular alpha/beta-hydrolase from Paenibacillus species shares structural and functional homology to tobacco salicylic acid binding protein 2. Journal of Structural Biology, 2020, 210, 107496.	2.8	2
116	Peptidomimetic analogues of an Arg-Trp-x-x-Trp motif responsible for interaction of translocase MraY with bacteriophage Ï•X174 lysis protein E. Bioorganic and Medicinal Chemistry, 2021, 52, 116502.	3.0	2
117	Lightâ€Activated Electron Transfer and Catalytic Mechanism of Carnitine Oxidation by Rieskeâ€Type Oxygenase from Human Microbiota. Angewandte Chemie, 2021, 133, 4579-4584.	2.0	1
118	Frontispiece: Lead Structures for New Antibacterials: Stereocontrolled Synthesis of a Bioactive Muraymycin Analogue. Chemistry - A European Journal, 2014, 20, .	3.3	0