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	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
2	Merging Plastics, Microbes, and Enzymes: Highlights from an International Workshop. Applied and Environmental Microbiology, 2022, 88, .	3.1	17
3	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
4	Structural basis of carnitine monooxygenase CntA substrate specificity, inhibition, and intersubunit electron transfer. Journal of Biological Chemistry, 2021, 296, 100038.	3.4	15
5	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
6	Metabolic engineering of Rhodococcus jostii RHA1 for production of pyridine-dicarboxylic acids from lignin. Microbial Cell Factories, 2021, 20, 15.	4.0	34
7	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
8	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
9	Consolidated production of coniferol and other high-value aromatic alcohols directly from lignocellulosic biomass. Green Chemistry, 2020, 22, 144-152.	9.0	38
10	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
11	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
12	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
13	Simplified Novel Muraymycin Analogues; using a Serine Template Strategy for Linking Key Pharmacophores. ChemMedChem, 2020, 15, 1429-1438.	3.2	6
14	Production of Substituted Styrene Bioproducts from Lignin and Lignocellulose Using Engineered <i>Pseudomonas putida</i> KT2440. Biotechnology Journal, 2020, 15, e1900571.	3.5	32
15	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
16	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
17	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
18	Mechanism of action of nucleoside antibacterial natural product antibiotics. Journal of Antibiotics, 2019, 72, 865-876.	2.0	27

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19	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
20	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
21	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
22	<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
23	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
24	Lignolytic-consortium omics analyses reveal novel genomes and pathways involved in lignin modification and valorization. Biotechnology for Biofuels, 2018, 11, 75.	6.2	65
25	Genome Sequence of Lysinibacillus sphaericus, a Lignin-Degrading Bacterium Isolated from Municipal Solid Waste Soil. Genome Announcements, 2018, 6, .	0.8	8
26	Sansanmycin natural product analogues as potent and selective anti-mycobacterials that inhibit lipid I biosynthesis. Nature Communications, 2017, 8, 14414.	12.8	43
27	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
28	Nucleoside Natural Product Antibiotics Targetting Microbial Cell Wall Biosynthesis. Topics in Medicinal Chemistry, 2017, , 1-25.	0.8	3
29	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
30	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
31	Promotion of Germination Using Hydroxamic Acid Inhibitors of 9-cis-Epoxycarotenoid Dioxygenase. Frontiers in Plant Science, 2017, 8, 357.	3.6	11
32	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
33	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
34	Bacterial Enzymes for Lignin Oxidation and Conversion to Renewable Chemicals. Biofuels and Biorefineries, 2016, , 131-146.	0.5	7
35	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
36	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

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37	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
38	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
39	Lignocellulose degradation mechanisms across the Tree of Life. Current Opinion in Chemical Biology, 2015, 29, 108-119.	6.1	478
40	Enzymatic conversion of lignin into renewable chemicals. Current Opinion in Chemical Biology, 2015, 29, 10-17.	6.1	209
41	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
42	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
43	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
44	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
45	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
46	Lead Structures for New Antibacterials: Stereocontrolled Synthesis of a Bioactive Muraymycin Analogue. Chemistry - A European Journal, 2014, 20, 15292-15297.	3.3	50
47	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
48	Frontispiece: Lead Structures for New Antibacterials: Stereocontrolled Synthesis of a Bioactive Muraymycin Analogue. Chemistry - A European Journal, 2014, 20, .	3.3	0
49	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
50	Enzymology of the carotenoid cleavage dioxygenases: Reaction mechanisms, inhibition and biochemical roles. Archives of Biochemistry and Biophysics, 2014, 544, 105-111.	3.0	99
51	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
52	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
53	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
54	How to Break the Rules of Dioxygen Activation. Chemistry and Biology, 2014, 21, 168-169.	6.0	3

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55	Editorial: Antibacterial targets for the 21st century. Bioorganic Chemistry, 2014, 55, 1.	4.1	2
56	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
57	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
58	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
59	Characterization of Dye-Decolorizing Peroxidases from <i>Rhodococcus jostii</i> RHA1. Biochemistry, 2011, 50, 5108-5119.	2.5	144
60	Identification of DypB from <i>Rhodococcus jostii</i> RHA1 as a Lignin Peroxidase. Biochemistry, 2011, 50, 5096-5107.	2.5	342
61	Bacterial cell wall assembly: still an attractive antibacterial target. Trends in Biotechnology, 2011, 29, 167-173.	9.3	230
62	Pathways for degradation of lignin in bacteria and fungi. Natural Product Reports, 2011, 28, 1883.	10.3	781
63	The emerging role for bacteria in lignin degradation and bio-product formation. Current Opinion in Biotechnology, 2011, 22, 394-400.	6.6	627
64	Development of novel assays for lignin degradation: comparative analysis of bacterial and fungal lignin degraders. Molecular BioSystems, 2010, 6, 815.	2.9	238
65	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
66	Biomimetic Formation of 2â€Tropolones by Dioxygenaseâ€Catalysed Ring Expansion of Substituted 2,4â€Cyclohexadienones. ChemBioChem, 2010, 11, 272-276.	2.6	9
67	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
68	Does abscisic acid affect strigolactone biosynthesis?. New Phytologist, 2010, 187, 343-354.	7.3	243
69	Selective Inhibition of Carotenoid Cleavage Dioxygenases. Journal of Biological Chemistry, 2009, 284, 5257-5264.	3.4	44
70	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
71	Pseudomonas aeruginosa MurE amide ligase: enzyme kinetics and peptide inhibitor. Biochemical Journal, 2009, 421, 263-272.	3.7	25
72	In vitro biosynthesis of bacterial peptidoglycan using d-Cys-containing precursors: fluorescent detection of transglycosylation and transpeptidation. Chemical Communications, 2009, , 4037.	4.1	3

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73	Phage display-derived inhibitor of the essential cell wall biosynthesis enzyme MurF. BMC Biochemistry, 2008, 9, 33.	4.4	23
74	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
75	Non-heme iron-dependent dioxygenases: unravelling catalytic mechanisms for complex enzymatic oxidations. Current Opinion in Chemical Biology, 2008, 12, 134-140.	6.1	200
76	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
77	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
78	The biosynthesis of peptidoglycan lipid-linked intermediates. FEMS Microbiology Reviews, 2008, 32, 208-233.	8.6	364
79	Native <i>E. coli</i> inner membrane incorporation in solid-supported lipid bilayer membranes. Biointerphases, 2008, 3, FA59-FA67.	1.6	39
80	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
81	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
82	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
83	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
84	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
85	Selection of peptide inhibitors against the Pseudomonas aeruginosa MurD cell wall enzyme. Peptides, 2006, 27, 1693-1700.	2.4	22
86	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
87	Antibiotic Action and Peptidoglycan Formation on Tethered Lipid Bilayer Membranes. Angewandte Chemie - International Edition, 2006, 45, 2111-2116.	13.8	37
88	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
89	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
90	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

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91	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
92	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
93	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
94	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
95	Acidâ˘'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
96	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
97	Recent advances in antimicrobial nucleoside antibiotics targeting cell wall biosynthesis. Natural Product Reports, 2003, 20, 252-273.	10.3	194
98	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
99	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
100	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
101	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
102	Enhanced acid stability of a reduced nicotinamide adenine dinucleotide (NADH) analogue. Chemical Communications, 2001, , 2098-2099.	4.1	20
103	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
104	A Solvolytic Câ˘'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
105	The development of mechanistic enzymology in the 20th century. Natural Product Reports, 2001, 18, 465-493.	10.3	28
106	Solving the riddle of the intradiol and extradiol catechol dioxygenases: how do enzymes control hydroperoxide rearrangements?. Chemical Communications, 2001, , 941-952.	4.1	136
107	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
108	Catalytic Mechanism of a Câ˘'C Hydrolase Enzyme: Evidence for aGem-Diol Intermediate, Not an Acyl Enzymeâ€. Biochemistry, 2000, 39, 1522-1531.	2.5	59

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109	A biomimetic model reaction for the extradiol catechol dioxygenases. Chemical Communications, 2000, , 1119-1120.	4.1	38
110	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
111	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
112	Purification, characterisation and reaction mechanism of monofunctional 2-hydroxypentadienoic acid hydratase from Escherichia coli. FEBS Journal, 1998, 251, 98-106.	0.2	43
113	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
114	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
115	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
116	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
117	Purification, Characterization, and Stereochemical Analysis of a Câ^'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
118	Cisâ^'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