

# Alexander SteinbÄ¼chel

## List of Publications by Year in descending order

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Version: 2024-02-01

350  
papers

20,440  
citations

9254

74  
h-index

16636

123  
g-index

375  
all docs

375  
docs citations

375  
times ranked

11200  
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into the Degradation of Medium-Chain-Length Dicarboxylic Acids in <i>Cupriavidus necator</i> H16 Reveal $\delta^2$ -Oxidation Differences between Dicarboxylic Acids and Fatty Acids. <i>Applied and Environmental Microbiology</i> , 2022, 88, AEM0187321.	1.4	2
2	Natural rubber degradation products: Fine chemicals and reuse of rubber waste. <i>European Polymer Journal</i> , 2022, 165, 111001.	2.6	23
3	Theoretical Studies of Cyanophycin Dipeptides as Inhibitors of Tyrosinases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3335.	1.8	3
4	The reliance of glycerol utilization by <i>Cupriavidus necator</i> on CO <sub>2</sub> fixation and improved glycerol catabolism. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 2541-2555.	1.7	8
5	Unveiling steps of the TDP degradation pathway in <i>Variovorax paradoxus</i> TBEA6. <i>Enzyme and Microbial Technology</i> , 2022, 160, 110095.	1.6	0
6	Crystal structure of the sugar acid-binding protein CxaP from a TRAP transporter in <i>Advenella mimigardefordensis</i> strain DPN7 T. <i>FEBS Journal</i> , 2021, 288, 4905-4917.	2.2	1
7	In vitro studies on the degradation of common rubber waste material with the latex clearing protein (Lcp1VH2) of <i>Gordonia polyisoprenivorans</i> VH2. <i>Biodegradation</i> , 2021, 32, 113-125.	1.5	5
8	Incorporation of alternative amino acids into cyanophycin by different cyanophycin synthetases heterologously expressed in <i>Corynebacterium glutamicum</i> . <i>AMB Express</i> , 2021, 11, 55.	1.4	8
9	3,3- $\delta^2$ -Thiodipropionic acid (TDP), a possible precursor for the synthesis of polythioesters: identification of TDP transport proteins in <i>Variovorax paradoxus</i> TBEA6. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 3733-3743.	1.7	4
10	Enzymatic and Chemical Approaches for Post-Polymerization Modifications of Diene Rubbers: Current state and Perspectives. <i>Macromolecular Bioscience</i> , 2021, 21, e2100261.	2.1	6
11	Cyanophycin Modifications – Widening the Application Potential. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 763804.	2.0	9
12	Versuche. , 2021, , 23-248.		0
13	High yield production of the latex clearing protein from <i>Gordonia polyisoprenivorans</i> VH2 in fed batch fermentations using a recombinant strain of <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2020, 309, 92-99.	1.9	4
14	Characterization of the genes responsible for rubber degradation in <i>Actinoplanes</i> sp. strain OR16. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 7367-7376.	1.7	6
15	What Has Been Trending in the Research of Polyhydroxyalkanoates? A Systematic Review. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 959.	2.0	26
16	Biotin Synthesis in <i>Ralstonia eutropha</i> H16 Utilizes Pimeloyl Coenzyme A and Can Be Regulated by the Amount of Acceptor Protein. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	2
17	Characterization of an efficient extracellular cyanophycinase and its encoding cphE gene from <i>Streptomyces pratensis</i> strain YSM. <i>Journal of Biotechnology</i> , 2020, 319, 15-24.	1.9	0
18	Biotransformation of poly(cis-1,4-isoprene) in a multiphase enzymatic reactor for continuous extraction of oligo-isoprenoid molecules. <i>New Biotechnology</i> , 2020, 58, 10-16.	2.4	9

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19	Global Regulator of Rubber Degradation in <i>Gordonia polyisoprenivorans</i> VH2: Identification and Involvement in the Regulation Network. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	6
20	Wax Ester and Triacylglycerol Inclusions. <i>Microbiology Monographs</i> , 2020, , 211-242.	0.3	2
21	Synthesis of novel biodegradable elastomers based on poly[3-hydroxy butyrate] and poly[3-hydroxy octanoate] via transamidation reaction. <i>Polymer Bulletin</i> , 2019, 76, 919-932.	1.7	12
22	Characterization of the latex clearing protein of the poly( <i>cis</i> -1,4-isoprene) and poly( <i>trans</i> -1,4-isoprene) degrading bacterium <i>Nocardia nova</i> ; SH22a. <i>Journal of General and Applied Microbiology</i> , 2019, 65, 293-300.	0.4	12
23	In Vitro Modification of Bacterial Cyanophycin and Cyanophycin Dipeptides Using Chemical Agents Towards Novel Variants of the Biopolymer. <i>Earth Systems and Environment</i> , 2019, 3, 637-650.	3.0	6
24	A tripartite tricarboxylate transporter (MIM_c39170â€“MIM_c39210) of <i>Advenella mimigardefordensis</i> DPN7T is involved in citrate uptake. <i>International Microbiology</i> , 2019, 22, 461-470.	1.1	2
25	Identification of LcpRBA3(2), a novel regulator of lcp expression in <i>Streptomyces coelicolor</i> A3(2). <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 5715-5726.	1.7	8
26	Biology of Triacylglycerol Accumulation by <i>Rhodococcus</i> . <i>Microbiology Monographs</i> , 2019, , 299-332.	0.3	4
27	Re-evaluation of cyanophycin synthesis in <i>Corynebacterium glutamicum</i> and incorporation of glutamic acid and lysine into the polymer. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 4033-4043.	1.7	9
28	The catabolism of 3,3â€“thiodipropionic acid in <i>Variovorax paradoxus</i> strain TBEA6: A proteomic analysis. <i>PLoS ONE</i> , 2019, 14, e0211876.	1.1	2
29	Recent developments in non-biodegradable biopolymers: Precursors, production processes, and future perspectives. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 143-157.	1.7	95
30	Synthesis of polyhydroxyalkanoates through the biodegradation of poly( <i>cis</i> -1,4-isoprene) rubber. <i>Journal of Bioscience and Bioengineering</i> , 2019, 127, 360-365.	1.1	24
31	Impact of additives of commercial rubber compounds on the microbial and enzymatic degradation of poly( <i>cis</i> -1,4-isoprene). <i>Biodegradation</i> , 2019, 30, 13-26.	1.5	18
32	Functional analysis of active amino acid residues of the mercaptosuccinate dioxygenase of <i>Variovorax paradoxus</i> B4. <i>Enzyme and Microbial Technology</i> , 2019, 120, 61-68.	1.6	8
33	LcpRVH2 â€“ regulating the expression of latex-clearing proteins in <i>Gordonia polyisoprenivorans</i> VH2. <i>Microbiology (United Kingdom)</i> , 2019, 165, 343-354.	0.7	11
34	The unexpected function of a Flavin-dependent oxidoreductase (Fox) from <i>Variovorax paradoxus</i> TBEA6.. <i>FEMS Microbiology Letters</i> , 2018, 365, .	0.7	2
35	Histidine at Position 195 is Essential for Association of Heme-b in Lcp1VH2. <i>Earth Systems and Environment</i> , 2018, 2, 5-14.	3.0	13
36	In vitro biosynthesis of 3-mercaptolactate by lactate dehydrogenases. <i>Enzyme and Microbial Technology</i> , 2018, 108, 1-10.	1.6	9

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37	<i>Ralstonia eutropha</i> H16 in progress: Applications beside PHAs and establishment as production platform by advanced genetic tools. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 494-510.	5.1	58
38	Studies on the aerobic utilization of synthesis gas (syngas) by wild type and recombinant strains of <i>Ralstonia eutropha</i> H16. <i>Microbial Biotechnology</i> , 2018, 11, 647-656.	2.0	37
39	The marine bacterium <i>Phaeobacter inhibens</i> secures external ammonium by rapid buildup of intracellular nitrogen stocks. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	7
40	A proteomic analysis of ferulic acid metabolism in <i>Amycolatopsis</i> sp. ATCC 39116. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 6119-6142.	1.7	7
41	Aerobic Growth of <i>Rhodococcus aetherivorans</i> BCP1 Using Selected Naphthenic Acids as the Sole Carbon and Energy Sources. <i>Frontiers in Microbiology</i> , 2018, 9, 672.	1.5	40
42	Genome-based analysis for the identification of genes involved in o-xylene degradation in <i>Rhodococcus opacus</i> R7. <i>BMC Genomics</i> , 2018, 19, 587.	1.2	23
43	Cyanophycin production from feather hydrolysate using biotechnological methods. <i>Preparative Biochemistry and Biotechnology</i> , 2018, 48, 589-598.	1.0	8
44	Conversion of cysteine to 3-mercaptopyruvic acid by bacterial aminotransferases. <i>Enzyme and Microbial Technology</i> , 2017, 99, 38-48.	1.6	12
45	Lipid accumulation in prokaryotic microorganisms from arid habitats. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 2203-2216.	1.7	23
46	Carbohydrate uptake in <i>Advenella mimigardefordensis</i> strain DPN7 <sup>T</sup> is mediated by periplasmic sugar oxidation and a TRAP transport system. <i>Molecular Microbiology</i> , 2017, 104, 916-930.	1.2	6
47	Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) production from biodiesel by-product and propionic acid by mutant strains of <i>Pandoraea</i> sp.. <i>Biotechnology Progress</i> , 2017, 33, 1077-1084.	1.3	31
48	Development of an Improved System for the Generation of Knockout Mutants of <i>Amycolatopsis</i> sp. Strain ATCC 39116. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	13
49	Oligo(cis-1,4-isoprene) aldehyde-oxidizing dehydrogenases of the rubber-degrading bacterium <i>Gordonia polyisoprenivorans</i> VH2. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 7945-7960.	1.7	10
50	Congratulations to Arnold Demain. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 3027-3027.	1.7	0
51	Bacterial lipid droplets bind to DNA via an intermediary protein that enhances survival under stress. <i>Nature Communications</i> , 2017, 8, 15979.	5.8	71
52	Downstream processing of serinol from a glycerol-based fermentation broth and transfer to other amine containing molecules. <i>Engineering in Life Sciences</i> , 2017, 17, 479-488.	2.0	2
53	Proteomic analysis of organic sulfur compound utilisation in <i>Advenella mimigardefordensis</i> strain DPN7T. <i>PLoS ONE</i> , 2017, 12, e0174256.	1.1	3
54	Draft Genome Sequences of <i>Sphingomonas mucosissima</i> DSM 17494 and <i>Sphingomonas dokdonensis</i> DSM 21029. <i>Genome Announcements</i> , 2017, 5, .	0.8	2

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55	<i>Streptomyces jeddahensis</i> sp. nov., an oleaginous bacterium isolated from desert soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 1676-1682.	0.8	25
56	Genome and Proteome Analysis of <i>Rhodococcus erythropolis</i> MI2: Elucidation of the 4,4'-Dithiodibutyric Acid Catabolism. <i>PLoS ONE</i> , 2016, 11, e0167539.	1.1	12
57	Technology Trends in Biodegradable Polymers: Evidence from Patent Analysis. <i>Polymer Reviews</i> , 2016, 56, 584-606.	5.3	64
58	Metabolic Engineering of the Actinomycete <i>Amycolatopsis</i> sp. Strain ATCC 39116 towards Enhanced Production of Natural Vanillin. <i>Applied and Environmental Microbiology</i> , 2016, 82, 3410-3419.	1.4	53
59	<i>Chelatococcus thermostellatus</i> sp. nov., a new thermophile for bioplastic synthesis: comparative phylogenetic and physiological study. <i>AMB Express</i> , 2016, 6, 39.	1.4	9
60	Understanding the physiological roles of polyhydroxybutyrate (PHB) in <i>Rhodospirillum rubrum</i> S1 under aerobic chemoheterotrophic conditions. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 8901-8912.	1.7	28
61	In vitro characterization of five bacterial WS/DGAT acyltransferases regarding the synthesis of biotechnologically relevant short-chain-length esters. <i>European Journal of Lipid Science and Technology</i> , 2016, 118, 124-132.	1.0	12
62	Role of Wax Ester Synthase/Acyl Coenzyme A:Diacylglycerol Acyltransferase in Oleaginous <i>Streptomyces</i> sp. Strain G25. <i>Applied and Environmental Microbiology</i> , 2016, 82, 5969-5981.	1.4	16
63	Synthesis Gas (Syngas)-Derived Medium-Chain-Length Polyhydroxyalkanoate Synthesis in Engineered <i>Rhodospirillum rubrum</i> . <i>Applied and Environmental Microbiology</i> , 2016, 82, 6132-6140.	1.4	42
64	Enzymatic Modification of Soluble Cyanophycin Using the Type II Peptidyl Arginine Deiminase from <i>Oryctolagus cuniculus</i> . <i>Macromolecular Bioscience</i> , 2016, 16, 1064-1071.	2.1	9
65	Substrate and Cofactor Range Differences of Two Cysteine Dioxygenases from <i>Ralstonia eutropha</i> H16. <i>Applied and Environmental Microbiology</i> , 2016, 82, 910-921.	1.4	9
66	Analysis and optimization of triacylglycerol synthesis in novel oleaginous <i>Rhodococcus</i> and <i>Streptomyces</i> strains isolated from desert soil. <i>Journal of Biotechnology</i> , 2016, 225, 48-56.	1.9	46
67	Features of the biotechnologically relevant polyamide family <i>ε</i> -cyanophycins and their biosynthesis in prokaryotes and eukaryotes. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 153-164.	5.1	39
68	Engineering the heterotrophic carbon sources utilization range of <i>Ralstonia eutropha</i> H16 for applications in biotechnology. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 978-991.	5.1	54
69	Analysis of PHB Metabolism Applying Tn5 Mutagenesis in <i>Ralstonia eutropha</i> . <i>Springer Protocols</i> , 2015, , 129-148.	0.1	3
70	The genome of <i>Variovorax paradoxus</i> strain TBEA6 provides new understandings for the catabolism of 3,3'-thiodipropionic acid and hence the production of polythioesters. <i>Journal of Biotechnology</i> , 2015, 209, 85-95.	1.9	9
71	Synthesis of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) from unrelated carbon sources in engineered <i>Rhodospirillum rubrum</i> . <i>FEMS Microbiology Letters</i> , 2015, 362, fnv038.	0.7	27
72	Editorial. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 1-1.	1.7	49

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73	Strain and process development for poly(3HB-co-3HP) fermentation by engineered <i>Shimwellia blattae</i> from glycerol. <i>AMB Express</i> , 2015, 5, 18.	1.4	9
74	A jack-of-all-trades: 2-mercaptosuccinic acid. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 4545-4557.	1.7	12
75	Assessment of bacterial acyltransferases for an efficient lipid production in metabolically engineered strains of <i>E. coli</i> . <i>Metabolic Engineering</i> , 2015, 32, 195-206.	3.6	48
76	Biodegradation of the Organic Disulfide 4,4'-Dithiodibutyric Acid by <i>Rhodococcus</i> spp. <i>Applied and Environmental Microbiology</i> , 2015, 81, 8294-8306.	1.4	20
77	Unravelling the complete genome sequence of <i>Advenella mimigardefordensis</i> strain DPN7T and novel insights in the catabolism of the xenobiotic polythioester precursor 3,3'-dithiodipropionate. <i>Microbiology (United Kingdom)</i> , 2014, 160, 1401-1416.	0.7	17
78	Impact of <i>Ralstonia eutropha</i> 's Poly(3-Hydroxybutyrate) (PHB) Depolymerases and Phasins on PHB Storage in Recombinant <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2014, 80, 7702-7709.	1.4	19
79	Genome-guided insights into the versatile metabolic capabilities of the mercaptosuccinate-utilizing <i>Variovorax paradoxus</i> strain B. <i>Environmental Microbiology</i> , 2014, 16, 3370-3386.	1.8	13
80	Identification of 3-Sulfino-propionyl Coenzyme A (CoA) Desulfinasen within the Acyl-CoA Dehydrogenase Superfamily. <i>Journal of Bacteriology</i> , 2014, 196, 882-893.	1.0	5
81	Solubility Behavior of Cyanophycin Depending on Lysine Content. <i>Applied and Environmental Microbiology</i> , 2014, 80, 1091-1096.	1.4	26
82	Mercaptosuccinate Dioxygenase, a Cysteine Dioxygenase Homologue, from <i>Variovorax paradoxus</i> Strain B4 Is the Key Enzyme of Mercaptosuccinate Degradation. <i>Journal of Biological Chemistry</i> , 2014, 289, 30800-30809.	1.6	24
83	Integrated omics study delineates the dynamics of lipid droplets in <i>Rhodococcus opacus</i> PD630. <i>Nucleic Acids Research</i> , 2014, 42, 1052-1064.	6.5	79
84	Functional diversity of <i>Nocardia</i> in metabolism. <i>Environmental Microbiology</i> , 2014, 16, 29-48.	1.8	37
85	New pathways for bacterial polythioesters. <i>Current Opinion in Biotechnology</i> , 2014, 29, 85-92.	3.3	31
86	Fatty acid synthesis in <i>Escherichia coli</i> and its applications towards the production of fatty acid based biofuels. <i>Biotechnology for Biofuels</i> , 2014, 7, 7.	6.2	239
87	Construction of expression vectors for metabolic engineering of the vanillin-producing actinomycete <i>Amycolatopsis</i> sp. ATCC 39116. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 6387-6395.	1.7	17
88	Production of triacylglycerols in <i>Escherichia coli</i> by deletion of the diacylglycerol kinase gene and heterologous overexpression of <i>atfA</i> from <i>Acinetobacter baylyi</i> ADP1. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1913-1924.	1.7	24
89	Novel Characteristics of Succinate Coenzyme A (Succinate-CoA) Ligases: Conversion of Malate to Methyl-CoA and CoA-Thioester Formation of Succinate Analogues In Vitro. <i>Applied and Environmental Microbiology</i> , 2014, 80, 166-176.	1.4	25
90	Latex Clearing Protein—an Oxygenase Cleaving Poly( <i>cis</i> -1,4-Isoprene) Rubber at the <i>cis</i> Double Bonds. <i>Applied and Environmental Microbiology</i> , 2014, 80, 5231-5240.	1.4	61

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91	Poly(3-Hydroxypropionate): a Promising Alternative to Fossil Fuel-Based Materials. <i>Applied and Environmental Microbiology</i> , 2014, 80, 6574-6582.	1.4	64
92	(S)-3-hydroxyacyl-CoA dehydrogenase/enoyl-CoA hydratase (FadB <sup>TM</sup> ) from fatty acid degradation operon of <i>Ralstonia eutropha</i> H16. <i>AMB Express</i> , 2014, 4, 69.	1.4	14
93	Characterization of propionate CoA-transferase from <i>Ralstonia eutropha</i> H16. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 3579-3589.	1.7	24
94	Mercaptosuccinate metabolism in <i>Variovorax paradoxus</i> strain B4 <sup>a</sup> a proteomic approach. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 6039-6050.	1.7	14
95	Guanidination of Soluble Lysine-Rich Cyanophycin Yields a Homoarginine-Containing Polyamide. <i>Applied and Environmental Microbiology</i> , 2014, 80, 2381-2389.	1.4	18
96	Influence of the operon structure on poly(3-hydroxypropionate) synthesis in <i>Shimwellia blattae</i> . <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 7409-7422.	1.7	8
97	Insights into the Microbial Degradation of Rubber and Gutta-Percha by Analysis of the Complete Genome of <i>Nocardia nova</i> SH22a. <i>Applied and Environmental Microbiology</i> , 2014, 80, 3895-3907.	1.4	53
98	Polythioester synthesis in <i>Ralstonia eutropha</i> H16: Novel insights into 3,3 <sup>ε</sup> -thiodipropionic acid and 3,3 <sup>ε</sup> -dithiodipropionic acid catabolism. <i>Journal of Biotechnology</i> , 2014, 184, 187-198.	1.9	8
99	A Closer Look on the Polyhydroxybutyrate- (PHB-) Negative Phenotype of <i>Ralstonia eutropha</i> PHB-4. <i>PLoS ONE</i> , 2014, 9, e95907.	1.1	38
100	Optimization of macroelement concentrations, pH and osmolarity for triacylglycerol accumulation in <i>Rhodococcus opacus</i> strain PD630. <i>AMB Express</i> , 2013, 3, 38.	1.4	18
101	PHA Recovery from Biomass. <i>Biomacromolecules</i> , 2013, 14, 2963-2972.	2.6	141
102	A propionate CoA-transferase of <i>Ralstonia eutropha</i> H16 with broad substrate specificity catalyzing the CoA thioester formation of various carboxylic acids. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 7699-7709.	1.7	37
103	Investigations on three genes in <i>Ralstonia eutropha</i> H16 encoding putative cyanophycin metabolizing enzymes. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 3579-3591.	1.7	9
104	Metabolic characteristics of the species <i>Variovorax paradoxus</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 541-560.	1.7	149
105	Random mutagenesis of <i>atfA</i> and screening for <i>Acinetobacter baylyi</i> mutants with an altered lipid accumulation. <i>European Journal of Lipid Science and Technology</i> , 2013, 115, 394-404.	1.0	12
106	Succinyl-CoA:3-Sulfino-propionate CoA-Transferase from <i>Variovorax paradoxus</i> Strain TBEA6, a Novel Member of the Class III Coenzyme A (CoA)-Transferase Family. <i>Journal of Bacteriology</i> , 2013, 195, 3761-3773.	1.0	9
107	Saccharification of Cellulose by Recombinant <i>Rhodococcus opacus</i> PD630 Strains. <i>Applied and Environmental Microbiology</i> , 2013, 79, 5159-5166.	1.4	24
108	Investigation of the <i>Amycolatopsis</i> sp. Strain ATCC 39116 Vanillin Dehydrogenase and Its Impact on the Biotechnical Production of Vanillin. <i>Applied and Environmental Microbiology</i> , 2013, 79, 81-90.	1.4	73



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109	A Novel 3-Sulfinoacetyl Coenzyme A (3SP-CoA) Desulfinate from <i>Advenella mimigardefordensis</i> Strain DPN7 Acting as a Key Enzyme during Catabolism of 3,3-Dithiodipropionic Acid Is a Member of the Acyl-CoA Dehydrogenase Superfamily. <i>Journal of Bacteriology</i> , 2013, 195, 1538-1551.	1.0	18
110	Increased Lysine Content Is the Main Characteristic of the Soluble Form of the Polyamide Cyanophycin Synthesized by Recombinant <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2013, 79, 4474-4483.	1.4	25
111	Microbial Gutta-Percha Degradation Shares Common Steps with Rubber Degradation by <i>Nocardia nova</i> SH22a. <i>Applied and Environmental Microbiology</i> , 2013, 79, 1140-1149.	1.4	15
112	Poly(3-Hydroxybutyrate) Degradation in <i>Ralstonia eutropha</i> H16 Is Mediated Stereoselectively to (S)-3-Hydroxybutyryl Coenzyme A (CoA) via Crotonyl-CoA. <i>Journal of Bacteriology</i> , 2013, 195, 3213-3223.	1.0	52
113	From Waste to Plastic: Synthesis of Poly(3-Hydroxypropionate) in <i>Shimwellia blattae</i> . <i>Applied and Environmental Microbiology</i> , 2013, 79, 3582-3589.	1.4	27
114	Acyltransferases in Bacteria. <i>Microbiology and Molecular Biology Reviews</i> , 2013, 77, 277-321.	2.9	145
115	Versuche. Springer-Lehrbuch, 2013, , 25-258.	0.1	0
116	Genetically Modified Strains of <i>Ralstonia eutropha</i> H16 with $\beta$ -Ketothiolase Gene Deletions for Production of Copolyesters with Defined 3-Hydroxyvaleric Acid Contents. <i>Applied and Environmental Microbiology</i> , 2012, 78, 5375-5383.	1.4	18
117	Employing a Recombinant Strain of <i>Advenella mimigardefordensis</i> for Biotechnical Production of Homopolythioesters from 3,3-Dithiodipropionic Acid. <i>Applied and Environmental Microbiology</i> , 2012, 78, 3286-3297.	1.4	22
118	Involvement of Two Latex-Clearing Proteins during Rubber Degradation and Insights into the Subsequent Degradation Pathway Revealed by the Genome Sequence of <i>Gordonia polyisoprenivorans</i> Strain VH2. <i>Applied and Environmental Microbiology</i> , 2012, 78, 2874-2887.	1.4	78
119	Impact of the Core Components of the Phosphoenolpyruvate-Carbohydrate Phosphotransferase System, HPr and EI, on Differential Protein Expression in <i>Ralstonia eutropha</i> H16. <i>Journal of Proteome Research</i> , 2012, 11, 3624-3636.	1.8	5
120	Historical and Recent Achievements in the Field of Microbial Degradation of Natural and Synthetic Rubber. <i>Applied and Environmental Microbiology</i> , 2012, 78, 4543-4551.	1.4	82
121	Large scale extraction of poly(3-hydroxybutyrate) from <i>Ralstonia eutropha</i> H16 using sodium hypochlorite. <i>AMB Express</i> , 2012, 2, 59.	1.4	92
122	Importance of the latex-clearing protein (Lcp) for poly(cis-1,4-isoprene) rubber cleavage in <i>Streptomyces</i> sp. K30. <i>MicrobiologyOpen</i> , 2012, 1, 13-24.	1.2	27
123	Elevated poly(3-hydroxybutyrate) synthesis in mutants of <i>Ralstonia eutropha</i> H16 defective in lipopolysaccharide biosynthesis. <i>Applied Microbiology and Biotechnology</i> , 2012, 95, 471-483.	1.7	11
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#	ARTICLE	IF	CITATIONS
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