

Alexander SteinbÄ¼chel

List of Publications by Year in descending order

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348
papers

20,440
citations

9234

74
h-index

16605

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 δ^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 ₂ 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- δ^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 ^T 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 TM) 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 ^a 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 ^ε -thiodipropionic acid and 3,3 ^ε -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) Desulfinase 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 β -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 polyisopenivorans</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
124	Impact of each individual component of the mutated PTS _{Nag} on glucose uptake and phosphorylation in <i>Ralstonia eutropha</i> G+1. <i>Applied Microbiology and Biotechnology</i> , 2012, 95, 735-744.	1.7	10
125	Biotechnological conversion of glycerol to 2-amino-1,3-propanediol (serinol) in recombinant <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 357-365.	1.7	12
126	Physiological conditions conducive to high cell density and high cyanophycin content in <i>Ralstonia eutropha</i> strain H16 possessing a KDPG aldolase gene-dependent addiction system. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 1885-1894.	1.7	13

#	ARTICLE	IF	CITATIONS
127	Rendered-protein hydrolysates for microbial synthesis of cyanophycin biopolymer. <i>New Biotechnology</i> , 2011, 28, 552-558.	2.4	14
128	Heterologous expression of <i>Anabaena</i> sp. PCC7120 cyanophycin metabolism genes <i>cphA1</i> and <i>cphB1</i> in <i>Sinorhizobium</i> (<i>Ensifer</i>) <i>meliloti</i> 1021. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 1177-1192.	1.7	9
129	A novel plasmid addiction system for large-scale production of cyanophycin in <i>Escherichia coli</i> using mineral salts medium. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 593-604.	1.7	29
130	Acknowledgements and greetings from the Editor-in-Chief. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 1-1.	1.7	3
131	Special content of this issue. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 1265-1265.	1.7	0
132	Synthesis of a citrulline-rich cyanophycin by use of <i>Pseudomonas putida</i> ATCC 4359. <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 1755-1762.	1.7	24
133	Establishment of an alternative phosphoketolase-dependent pathway for fructose catabolism in <i>Ralstonia eutropha</i> H16. <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 769-776.	1.7	18
134	β-Carotene production by <i>Saccharomyces cerevisiae</i> with regard to plasmid stability and culture media. <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 1611-1622.	1.7	34
135	Microalgae as bioreactors for bioplastic production. <i>Microbial Cell Factories</i> , 2011, 10, 81.	1.9	192
136	Serinol: small molecule - big impact. <i>AMB Express</i> , 2011, 1, 12.	1.4	33
137	Implications of various phosphoenolpyruvate-carbohydrate phosphotransferase system mutations on glycerol utilization and poly(3-hydroxybutyrate) accumulation in <i>Ralstonia eutropha</i> H16. <i>AMB Express</i> , 2011, 1, 16.	1.4	9
138	Production optimization of cyanophycinase <i>ChpEal</i> from <i>Pseudomonas alcaligenes</i> DIP1. <i>AMB Express</i> , 2011, 1, 38.	1.4	13
139	Neutral lipid production in <i>Alcanivorax borkumensis</i> SK2 and other marine hydrocarbonoclastic bacteria. <i>European Journal of Lipid Science and Technology</i> , 2011, 113, 8-17.	1.0	31
140	Extension of the Substrate Utilization Range of <i>Ralstonia eutropha</i> Strain H16 by Metabolic Engineering To Include Mannose and Glucose. <i>Applied and Environmental Microbiology</i> , 2011, 77, 1325-1334.	1.4	42
141	Effects of Homologous Phosphoenolpyruvate-Carbohydrate Phosphotransferase System Proteins on Carbohydrate Uptake and Poly(3-Hydroxybutyrate) Accumulation in <i>Ralstonia eutropha</i> H16. <i>Applied and Environmental Microbiology</i> , 2011, 77, 3582-3590.	1.4	23
142	Novel Reaction of Succinyl Coenzyme A (Succinyl-CoA) Synthetase: Activation of 3-Sulfino-propionate to 3-Sulfino-propionyl-CoA in <i>Advenella mimigardefordensis</i> Strain DPN7 during Degradation of 3,3-Dithiodipropionic Acid. <i>Journal of Bacteriology</i> , 2011, 193, 3078-3089.	1.0	40
143	Aerobic Degradation of Mercaptosuccinate by the Gram-Negative Bacterium <i>Variovorax paradoxus</i> Strain B4. <i>Journal of Bacteriology</i> , 2011, 193, 527-539.	1.0	23
144	Versatile Metabolic Adaptations of <i>Ralstonia eutropha</i> H16 to a Loss of PdhL, the E3 Component of the Pyruvate Dehydrogenase Complex. <i>Applied and Environmental Microbiology</i> , 2011, 77, 2254-2263.	1.4	18

#	ARTICLE	IF	CITATIONS
145	Proteomic and Transcriptomic Elucidation of the Mutant <i>Ralstonia eutropha</i> G ⁺ 1 with Regard to Glucose Utilization. <i>Applied and Environmental Microbiology</i> , 2011, 77, 2058-2070.	1.4	43
146	Establishment of a simple and effective isolation method for cyanophycin from recombinant <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 2010, 85, 1393-1399.	1.7	14
147	Fatty acid alkyl esters: perspectives for production of alternative biofuels. <i>Applied Microbiology and Biotechnology</i> , 2010, 85, 1713-1733.	1.7	122
148	Occurrence, production, and export of lipophilic compounds by hydrocarbonoclastic marine bacteria and their potential use to produce bulk chemicals from hydrocarbons. <i>Applied Microbiology and Biotechnology</i> , 2010, 86, 1693-1706.	1.7	37
149	Dipeptides in nutrition and therapy: cyanophycin-derived dipeptides as natural alternatives and their biotechnological production. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 815-828.	1.7	61
150	Investigations on the microbial catabolism of the organic sulfur compounds TDP and DTDP in <i>Ralstonia eutropha</i> H16 employing DNA microarrays. <i>Applied Microbiology and Biotechnology</i> , 2010, 88, 1145-1159.	1.7	16
151	Microbial utilization of the industrial wastewater pollutants 2-ethylhexylthioglycolic acid and iso-octylthioglycolic acid by aerobic Gram-negative bacteria. <i>Biodegradation</i> , 2010, 21, 309-319.	1.5	10
152	Plasmid addiction systems: perspectives and applications in biotechnology. <i>Microbial Biotechnology</i> , 2010, 3, 634-657.	2.0	97
153	Cell surface analysis of the lipid-discharging obligate hydrocarbonoclastic species of the genus <i>Alcanivorax</i> . <i>European Journal of Lipid Science and Technology</i> , 2010, 112, 681-691.	1.0	5
154	Production of Lipids for Biofuels Using Bacteria. , 2010, , 291-314.		4
155	Analysis of Lipid Export in Hydrocarbonoclastic Bacteria of the Genus <i>Alcanivorax</i> : Identification of Lipid Export-Negative Mutants of <i>Alcanivorax borkumensis</i> SK2 and <i>Alcanivorax jadensis</i> T9. <i>Journal of Bacteriology</i> , 2010, 192, 643-656.	1.0	31
156	Genome-wide transcriptome analyses of the "Knallgas" bacterium <i>Ralstonia eutropha</i> H16 with regard to polyhydroxyalkanoate metabolism. <i>Microbiology (United Kingdom)</i> , 2010, 156, 2136-2152.	0.7	87
157	Biodegradation of the xenobiotic organic disulphide 4,4-dithiodibutyric acid by <i>Rhodococcus erythropolis</i> strain MI2 and comparison with the microbial utilization of 3,3-dithiodipropionic acid and 3-thiodipropionic acid. <i>Microbiology (United Kingdom)</i> , 2010, 156, 1221-1233.	0.7	13
158	Pilot-Scale Production of Fatty Acid Ethyl Esters by an Engineered <i>Escherichia coli</i> Strain Harboring the p(Microdiesel) Plasmid. <i>Applied and Environmental Microbiology</i> , 2010, 76, 4560-4565.	1.4	61
159	Impact of Multiple β -Ketothiolase Deletion Mutations in <i>Ralstonia eutropha</i> H16 on the Composition of 3-Mercaptopropionic Acid-Containing Copolymers. <i>Applied and Environmental Microbiology</i> , 2010, 76, 5373-5382.	1.4	37
160	Establishment of Cyanophycin Biosynthesis in <i>Pichia pastoris</i> and Optimization by Use of Engineered Cyanophycin Synthetases. <i>Applied and Environmental Microbiology</i> , 2010, 76, 1062-1070.	1.4	40
161	Isolation and Characterization of a Mutant of the Marine Bacterium <i>Alcanivorax borkumensis</i> SK2 Defective in Lipid Biosynthesis. <i>Applied and Environmental Microbiology</i> , 2010, 76, 2884-2894.	1.4	15
162	Biosynthesis and Biodegradation of 3-Hydroxypropionate- Containing Polyesters. <i>Applied and Environmental Microbiology</i> , 2010, 76, 4919-4925.	1.4	73

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163	Dihydroliipoamide Dehydrogenases of <i>Advenella mimigardefordensis</i> and <i>Ralstonia eutropha</i> Catalyze Cleavage of 3,3-Dithiodipropionic Acid into 3-Mercaptopropionic Acid. <i>Applied and Environmental Microbiology</i> , 2010, 76, 7023-7028.	1.4	19
164	High-Cell-Density Cyclic Fed-Batch Fermentation of a Poly(3-Hydroxybutyrate)-Accumulating Thermophile, <i>Chelatococcus</i> sp. Strain MW10. <i>Applied and Environmental Microbiology</i> , 2010, 76, 7890-7895.	1.4	69
165	Conversion of Glycerol to Poly(3-Hydroxypropionate) in Recombinant <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2010, 76, 622-626.	1.4	126
166	Physiology, Biochemistry, and Molecular Biology of Triacylglycerol Accumulation by <i>Rhodococcus</i> . <i>Microbiology Monographs</i> , 2010, , 263-290.	0.3	21
167	Large-Scale Production of Poly(3-Hydroxyoctanoic Acid) by <i>Pseudomonas putida</i> GPo1 and a Simplified Downstream Process. <i>Applied and Environmental Microbiology</i> , 2009, 75, 643-651.	1.4	72
168	<i>Pseudorhodofera</i> soli gen. nov., sp. nov. and <i>Pseudorhodofera</i> caeni sp. nov., two members of the class Betaproteobacteria belonging to the family Comamonadaceae. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2009, 59, 2702-2707.	0.8	29
169	Metabolic Engineering of <i>Saccharomyces cerevisiae</i> for Production of Novel Cyanophycins with an Extended Range of Constituent Amino Acids. <i>Applied and Environmental Microbiology</i> , 2009, 75, 3437-3446.	1.4	49
170	<i>Clostridium sulfidigenes</i> sp. nov., a mesophilic, proteolytic, thiosulfate- and sulfur-reducing bacterium isolated from pond sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2009, 59, 1661-1665.	0.8	47
171	Current state and perspectives of producing biodiesel-like compounds by biotechnology. <i>Microbial Biotechnology</i> , 2009, 2, 551-565.	2.0	26
172	Both histidine residues of the conserved HHXXXDG motif are essential for wax ester synthase/acyl-CoA:diacylglycerol acyltransferase catalysis. <i>European Journal of Lipid Science and Technology</i> , 2009, 111, 112-119.	1.0	28
173	Biotransformation of glycidol by the unspecific wax ester synthase/acyl-CoA:diacylglycerol acyltransferase of <i>Acinetobacter baylyi</i> ADP1. <i>European Journal of Lipid Science and Technology</i> , 2009, 111, 972-978.	1.0	3
174	Analysis of neutral lipid biosynthesis in <i>Streptomyces avermitilis</i> MA-4680 and characterization of an acyltransferase involved herein. <i>Applied Microbiology and Biotechnology</i> , 2009, 84, 143-155.	1.7	35
175	Establishment of a novel anabolism-based addiction system with an artificially introduced mevalonate pathway: Complete stabilization of plasmids as universal application in white biotechnology. <i>Metabolic Engineering</i> , 2009, 11, 168-177.	3.6	32
176	Poly(3-Hydroxybutyrate) Production from Glycerol by <i>Zobellia denitrificans</i> MW1 via High-Cell-Density Fed-Batch Fermentation and Simplified Solvent Extraction. <i>Applied and Environmental Microbiology</i> , 2009, 75, 6222-6231.	1.4	136
177	Biotechnological Process for Production of β^2 -Dipeptides from Cyanophycin on a Technical Scale and Its Optimization. <i>Applied and Environmental Microbiology</i> , 2009, 75, 29-38.	1.4	47
178	<i>Ralstonia eutropha</i> ; Strain H16 as Model Organism for PHA Metabolism and for Biotechnological Production of Technically Interesting Biopolymers. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2009, 16, 91-108.	1.0	193
179	Megaplasmid pKB1 of the Rubber-Degrading Bacterium <i>Gordonia westfalica</i> Strain Kb1. <i>Microbiology Monographs</i> , 2009, , 297-309.	0.3	1
180	Transfer of megaplasmid pKB1 from the rubber-degrading bacterium <i>Gordonia westfalica</i> strain Kb1 to related bacteria and its modification. <i>Applied Microbiology and Biotechnology</i> , 2008, 77, 1317-1327.	1.7	10

#	ARTICLE	IF	CITATIONS
181	Bacterial Acyltransferases as an Alternative for Lipase-Catalyzed Acylation for the Production of Oleochemicals and Fuels. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3688-3694.	7.2	68
182	Synthesis and Accumulation of Cyanophycin in Transgenic Strains of <i>Saccharomyces cerevisiae</i> . <i>Applied and Environmental Microbiology</i> , 2008, 74, 3410-3418.	1.4	50
183	Cloning and characterization of a gene involved in triacylglycerol biosynthesis and identification of additional homologous genes in the oleaginous bacterium <i>Rhodococcus opacus</i> PD630. <i>Microbiology (United Kingdom)</i> , 2008, 154, 2327-2335.	0.7	83
184	Possible Involvement of an Extracellular Superoxide Dismutase (SodA) as a Radical Scavenger in Poly(3-Hydroxybutyrate) Overproduction. <i>Applied and Environmental Microbiology</i> , 2008, 74, 4477-4490.	1.4	19
185	Anaerobic and Aerobic Degradation of Cyanophycin by the Denitrifying Bacterium <i>Pseudomonas alcaligenes</i> Strain DIP1 and Role of Three Other Coisolates in a Mixed Bacterial Consortium. <i>Applied and Environmental Microbiology</i> , 2008, 74, 3434-3443.	1.4	27
186	The Genomes of the Non-Clearing-Zone-Forming and Natural-Rubber-Degrading Species <i>Gordonia polyisoprenivorans</i> and <i>Gordonia westfalica</i> Harbor Genes Expressing Lcp Activity in <i>Streptomyces</i> Strains. <i>Applied and Environmental Microbiology</i> , 2008, 74, 2288-2297.	1.4	44
187	<i>Ralstonia eutropha</i> H16 Flagellation Changes According to Nutrient Supply and State of Poly(3-Hydroxybutyrate) Accumulation. <i>Applied and Environmental Microbiology</i> , 2008, 74, 4477-4490.	1.4	34
188	Cloning and Characterization of β -Methylacyl Coenzyme A Racemase from <i>Gordonia polyisoprenivorans</i> VH2. <i>Applied and Environmental Microbiology</i> , 2008, 74, 7085-7089.	1.4	11
189	Secretion and Transcriptional Regulation of the Latex-Clearing Protein, Lcp, by the Rubber-Degrading Bacterium <i>Streptomyces</i> sp. Strain K30. <i>Applied and Environmental Microbiology</i> , 2008, 74, 5373-5382.	1.4	42
190	Novel Pathway for Catabolism of the Organic Sulfur Compound 3,3-Dithiodipropionic Acid via 3-Mercaptopropionic Acid and 3-Sulfinothiopropionic Acid to Propionyl-Coenzyme A by the Aerobic Bacterium <i>Tetrathiodibacter mimmigardfordensis</i> Strain DPN7. <i>Applied and Environmental Microbiology</i> , 2008, 74, 4028-4035.	1.4	28
191	Key enzymes for biosynthesis of neutral lipid storage compounds in prokaryotes: Properties, function and occurrence of wax ester synthases/acyl-CoA:diacylglycerol acyltransferases. <i>Biochimie</i> , 2007, 89, 230-242.	1.3	103
192	Sequencing Microbial Copolymers of 3-Hydroxybutyric and 3-Mercaptoalkanoic Acids by NMR, Electrospray Ionization Mass Spectrometry, and Size Exclusion Chromatography NMR. <i>Biomacromolecules</i> , 2007, 8, 985-991.	2.6	9
193	Studies on the Influence of Phasins on Accumulation and Degradation of PHB and Nanostructure of PHB Granules in <i>Ralstonia eutropha</i> H16. <i>Biomacromolecules</i> , 2007, 8, 657-662.	2.6	68
194	Analysis of Storage Lipid Accumulation in <i>Alcanivorax borkumensis</i> : Evidence for Alternative Triacylglycerol Biosynthesis Routes in Bacteria. <i>Journal of Bacteriology</i> , 2007, 189, 918-928.	1.0	133
195	Bacterial degradation of poly(trans-1,4-isoprene) (gutta percha). <i>Microbiology (United Kingdom)</i> , 2007, 153, 347-356.	0.7	59
196	Analysis of Genome Sequences for Genes of Cyanophycin Metabolism: Identifying Putative Cyanophycin Metabolizing Prokaryotes. <i>Macromolecular Bioscience</i> , 2007, 7, 278-296.	2.1	62
197	Increased diversification of polyhydroxyalkanoates by modification reactions for industrial and medical applications. <i>Applied Microbiology and Biotechnology</i> , 2007, 74, 1-12.	1.7	356
198	A sincere thank you to all reviewers of AMB and to Professor Karl Esser. <i>Applied Microbiology and Biotechnology</i> , 2007, 73, 1223-1223.	1.7	1

#	ARTICLE	IF	CITATIONS
199	Dedication to Professor Dr. Hermann Sahm on the occasion of his 65th birthday. <i>Applied Microbiology and Biotechnology</i> , 2007, 76, 483-484.	1.7	0
200	Assessment of technological options and economical feasibility for cyanophycin biopolymer and high-value amino acid production. <i>Applied Microbiology and Biotechnology</i> , 2007, 77, 257-267.	1.7	80
201	80th birthday of Prof. Dr. Hans-Jürgen Rehm – congratulations to the founder of “Applied Microbiology and Biotechnology”. <i>Applied Microbiology and Biotechnology</i> , 2007, 77, 749-750.	1.7	0
202	Heat-shock protein HspA mimics the function of phasins sensu stricto in recombinant strains of <i>Escherichia coli</i> accumulating polythioesters or polyhydroxyalkanoates. <i>Microbiology (United Kingdom)</i> , 2007, 152, 2529-2536.	0.7	438
203	Microdiesel: <i>Escherichia coli</i> engineered for fuel production. <i>Microbiology (United Kingdom)</i> , 2006, 152, 2529-2536.	0.7	438
204	Cyanophycin – an Ideal Bacterial Nitrogen Storage Material with Unique Chemical Properties. , 2006, , 167-193.		18
205	Harnessing eugenol as a substrate for production of aromatic compounds with recombinant strains of <i>Amycolatopsis</i> sp. HR167. <i>Journal of Biotechnology</i> , 2006, 125, 369-376.	1.9	51
206	Wax Ester and Triacylglycerol Inclusions. , 2006, , 137-166.		10
207	Biogenesis and Structure of Polyhydroxyalkanoate Granules. , 2006, , 109-136.		34
208	Functional expression of the PHA synthase gene <i>phaC1</i> from <i>Pseudomonas aeruginosa</i> in <i>Escherichia coli</i> results in poly(3-hydroxyalkanoate) synthesis. <i>FEMS Microbiology Letters</i> , 2006, 150, 303-309.	0.7	57
209	Biosynthesis of poly(4-hydroxybutyric acid) by recombinant strains of <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 2006, 153, 411-418.	0.7	29
210	Synthesis of poly(3-hydroxyalkanoates) in <i>Escherichia coli</i> expressing the PHA synthase gene <i>phaC2</i> from <i>Pseudomonas aeruginosa</i> : comparison of <i>PhaC1</i> and <i>PhaC2</i> . <i>FEMS Microbiology Letters</i> , 2006, 157, 155-162.	0.7	112
211	Genome sequence of the bioplastic-producing <i>γ</i> -proteobacterium <i>Ralstonia eutropha</i> H16. <i>Nature Biotechnology</i> , 2006, 24, 1257-1262.	9.4	527
212	Application of a KDPG-aldolase gene-dependent addition system for enhanced production of cyanophycin in <i>Ralstonia eutropha</i> strain H16. <i>Metabolic Engineering</i> , 2006, 8, 66-78.	3.6	71
213	Metabolic engineering of strains of <i>Ralstonia eutropha</i> and <i>Pseudomonas putida</i> for biotechnological production of 2-methylcitric acid. <i>Metabolic Engineering</i> , 2006, 8, 587-602.	3.6	41
214	Occurrence and expression of tricarboxylate synthases in <i>Ralstonia eutropha</i> . <i>Applied Microbiology and Biotechnology</i> , 2006, 71, 80-89.	1.7	7
215	Potential of <i>Rhodococcus</i> strains for biotechnological vanillin production from ferulic acid and eugenol. <i>Applied Microbiology and Biotechnology</i> , 2006, 72, 745-755.	1.7	95
216	Optimization of cyanophycin production in recombinant strains of <i>Pseudomonas putida</i> and <i>Ralstonia eutropha</i> employing elementary mode analysis and statistical experimental design. <i>Biotechnology and Bioengineering</i> , 2006, 93, 698-717.	1.7	45

#	ARTICLE	IF	CITATIONS
217	Tetrathioabacter mimigardefordensis sp. nov., isolated from compost, a betaproteobacterium capable of utilizing the organic disulfide 3,3-dithiodipropionic acid. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 1305-1310.	0.8	42
218	Identification of Poly(cis-1,4-Isoprene) Degradation Intermediates during Growth of Moderately Thermophilic Actinomycetes on Rubber and Cloning of a Functional lcp Homologue from Nocardia farcinica Strain E1. Applied and Environmental Microbiology, 2006, 72, 3375-3382.	1.4	77
219	Mutation in a ω tesB -Like-Hydroxyacyl-Coenzyme A-Specific Thioesterase Gene Causes Hyperproduction of Extracellular Polyhydroxyalkanoates by Alcanivorax borkumensis SK2. Journal of Bacteriology, 2006, 188, 8452-8459.	1.0	79
220	Engineered Cyanophycin Synthetase (CphA) from Nostoc ellipsosporum Confers Enhanced CphA Activity and Cyanophycin Accumulation to Escherichia coli. Applied and Environmental Microbiology, 2006, 72, 7652-7660.	1.4	25
221	Eukaryotic Lipid Body Proteins in Oleogenous Actinomycetes and Their Targeting to Intracellular Triacylglycerol Inclusions: Impact on Models of Lipid Body Biogenesis. Applied and Environmental Microbiology, 2006, 72, 6743-6750.	1.4	23
222	Neutral Lipid Biosynthesis in Engineered Escherichia coli : Jojoba Oil-Like Wax Esters and Fatty Acid Butyl Esters. Applied and Environmental Microbiology, 2006, 72, 1373-1379.	1.4	110
223	The Ralstonia eutropha H16 phasin PhaP1 is targeted to intracellular triacylglycerol inclusions in Rhodococcus opacus PD630 and Mycobacterium smegmatis mc2155, and provides an anchor to target other proteins. Microbiology (United Kingdom), 2006, 152, 3271-3280.	0.7	37
224	Engineering the Genotype of Acinetobacter sp. Strain ADP1 To Enhance Biosynthesis of Cyanophycin. Applied and Environmental Microbiology, 2006, 72, 1410-1419.	1.4	26
225	Wax Ester and Triacylglycerol Inclusions. , 2006, , 137-166.		1
226	Non-biodegradable biopolymers from renewable resources: perspectives and impacts. Current Opinion in Biotechnology, 2005, 16, 607-613.	3.3	106
227	A Commentary on ϵ -Biosynthesis of terpolyesters of 3-hydroxybutyrate, 3-hydroxyvalerate, and 5-hydroxyvalerate in Alcaligenes eutrophus from 5-chloropentanoic and pentanoic acids by Y. Doi, A. Tamaki, M. Kunioka, K. Soga (Makromol. Chem., Rapid Commun. 1987,8, 631-635). Macromolecular Rapid Communications, 2005, 26, 1025-1031.	2.0	1
228	Influence of homologous phasins (PhaP) on PHA accumulation and regulation of their expression by the transcriptional repressor PhaR in Ralstonia eutropha H16. Microbiology (United Kingdom), 2005, 151, 825-833.	0.7	113
229	Degradation of Cyanophycin by Sedimentibacter hongkongensis Strain KI and Citrobacter amalonaticus Strain G Isolated from an Anaerobic Bacterial Consortium. Applied and Environmental Microbiology, 2005, 71, 3642-3652.	1.4	42
230	Application of the BPEC Pathway for Large-Scale Biotechnological Production of Poly(3-Mercaptopropionate) by Recombinant Escherichia coli , Including a Novel In Situ Isolation Method. Applied and Environmental Microbiology, 2005, 71, 835-841.	1.4	36
231	Thio Wax Ester Biosynthesis Utilizing the Unspecific Bifunctional Wax Ester Synthase/Acyl Coenzyme A:Diacylglycerol Acyltransferase of Acinetobacter sp. Strain ADP1. Applied and Environmental Microbiology, 2005, 71, 790-796.	1.4	48
232	Biodegradation of Natural Rubber and Related Compounds: Recent Insights into a Hardly Understood Catabolic Capability of Microorganisms. Applied and Environmental Microbiology, 2005, 71, 2803-2812.	1.4	233
233	The Wax Ester Synthase/Acyl Coenzyme A:Diacylglycerol Acyltransferase from Acinetobacter sp. Strain ADP1: Characterization of a Novel Type of Acyltransferase. Journal of Bacteriology, 2005, 187, 1369-1376.	1.0	158
234	Establishment of Tn 5096 -Based Transposon Mutagenesis in Gordonia polyisoprenivorans. Applied and Environmental Microbiology, 2005, 71, 5077-5084.	1.4	25

#	ARTICLE	IF	CITATIONS
235	Neutral Lipid Bodies in Prokaryotes: Recent Insights into Structure, Formation, and Relationship to Eukaryotic Lipid Depots. <i>Journal of Bacteriology</i> , 2005, 187, 3607-3619.	1.0	256
236	Protamylase, a Residual Compound of Industrial Starch Production, Provides a Suitable Medium for Large-Scale Cyanophycin Production. <i>Applied and Environmental Microbiology</i> , 2005, 71, 7759-7767.	1.4	50
237	Poly(3-mercaptopropionate): A Nonbiodegradable Biopolymer?. <i>Biomacromolecules</i> , 2005, 6, 897-901.	2.6	48
238	Physiological Conditions Conducive to High Cyanophycin Content in Biomass of <i>Acinetobacter calcoaceticus</i> Strain ADP1. <i>Applied and Environmental Microbiology</i> , 2005, 71, 858-866.	1.4	68
239	Investigations on the Solubility Behavior of Cyanophycin. Solubility of Cyanophycin in Solutions of Simple Inorganic Salts. <i>Biomacromolecules</i> , 2005, 6, 1367-1374.	2.6	30
240	Poly(3-hydroxybutyrate) Granule-Associated Proteins: Impacts on Poly(3-hydroxybutyrate) Synthesis and Degradation. <i>Biomacromolecules</i> , 2005, 6, 552-560.	2.6	208
241	Identification and Characterization of Genes from <i>Streptomyces</i> sp. Strain K30 Responsible for Clear Zone Formation on Natural Rubber Latex and Poly(cis-1,4-isoprene) Rubber Degradation. <i>Biomacromolecules</i> , 2005, 6, 180-188.	2.6	94
242	<i>Gordonia nitida</i> Yoon et al. 2000 is a later synonym of <i>Gordonia alkanivorans</i> Kummer et al. 1999. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 695-697.	0.8	15
243	Synthesis of Novel Lipids in <i>Saccharomyces cerevisiae</i> by Heterologous Expression of an Unspecific Bacterial Acyltransferase. <i>Applied and Environmental Microbiology</i> , 2004, 70, 7119-7125.	1.4	119
244	Characterization of the 101-Kilobase-Pair Megaplasmid pKB1, Isolated from the Rubber-Degrading Bacterium <i>Gordonia westfalica</i> Kb1. <i>Journal of Bacteriology</i> , 2004, 186, 212-225.	1.0	46
245	Partial purification and characterization of a non-cyanobacterial cyanophycin synthetase from <i>Acinetobacter calcoaceticus</i> strain ADP1 with regard to substrate specificity, substrate affinity and binding to cyanophycin. <i>Microbiology (United Kingdom)</i> , 2004, 150, 2599-2608.	0.7	30
246	Polyhydroxyalkanoate (PHA) Accumulation in Sulfate-Reducing Bacteria and Identification of a Class III PHA Synthase (PhaEC) in <i>Desulfococcus multivorans</i> . <i>Applied and Environmental Microbiology</i> , 2004, 70, 4440-4448.	1.4	61
247	Biology of the Metabolically Diverse Genus <i>Gordonia</i> . <i>Applied and Environmental Microbiology</i> , 2004, 70, 3195-3204.	1.4	276
248	<i>Caenibacterium thermophilum</i> is a later synonym of <i>Schlegelella thermodepolymerans</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 1933-1935.	0.8	12
249	Mechanism of lipid-body formation in prokaryotes: how bacteria fatten up. <i>Molecular Microbiology</i> , 2004, 55, 750-763.	1.2	203
250	The complex structure of polyhydroxybutyrate (PHB) granules: four orthologous and paralogous phasins occur in <i>Ralstonia eutropha</i> . <i>Microbiology (United Kingdom)</i> , 2004, 150, 2301-2311.	0.7	137
251	Studies on the biodegradability of polythioester copolymers and homopolymers by polyhydroxyalkanoate (PHA)-degrading bacteria and PHA depolymerases. <i>Archives of Microbiology</i> , 2004, 182, 212-25.	1.0	81
252	Microbial Polythioesters. <i>Macromolecular Bioscience</i> , 2004, 4, 165-174.	2.1	39

#	ARTICLE	IF	CITATIONS
253	Physiological and morphological responses of the soil bacterium <i>Rhodococcus opacus</i> strain PD630 to water stress. <i>FEMS Microbiology Ecology</i> , 2004, 50, 75-86.	1.3	92
254	Isolation and Characterization of Gram-Positive Cyanophycin-Degrading Bacteria Kinetic Studies on Cyanophycin Depolymerase Activity in Aerobic Bacteria. <i>Biomacromolecules</i> , 2004, 5, 153-161.	2.6	41
255	Identification of the <i>Anabaena</i> sp. Strain PCC7120 Cyanophycin Synthetase as Suitable Enzyme for Production of Cyanophycin in Gram-Negative Bacteria Like <i>Pseudomonas putida</i> and <i>Ralstonia eutropha</i> . <i>Biomacromolecules</i> , 2004, 5, 1588-1595.	2.6	47
256	Microbial Degradation of Poly(amino acid)s. <i>Biomacromolecules</i> , 2004, 5, 1166-1176.	2.6	175
257	In vitro and in vivo biosynthesis of wax diesters by an unspecific bifunctional wax ester synthase/acyl-CoA:diacylglycerol acyltransferase from <i>Acinetobacter calcoaceticus</i> ADP1. <i>European Journal of Lipid Science and Technology</i> , 2003, 105, 578-584.	1.0	34
258	Novel precursor substrates for polythioesters (PTE) and limits of PTE biosynthesis in <i>Ralstonia eutropha</i> . <i>FEMS Microbiology Letters</i> , 2003, 221, 191-196.	0.7	58
259	Two phenotypically compensating isocitrate dehydrogenases in <i>Ralstonia eutropha</i> . <i>FEMS Microbiology Letters</i> , 2003, 227, 9-16.	0.7	18
260	The glyoxylate bypass of <i>Ralstonia eutropha</i> . <i>FEMS Microbiology Letters</i> , 2003, 228, 63-71.	0.7	24
261	Metabolic engineering and pathway construction for biotechnological production of relevant polyhydroxyalkanoates in microorganisms. <i>Biochemical Engineering Journal</i> , 2003, 16, 81-96.	1.8	376
262	Physical Properties of Microbial Polythioesters: Characterization of Poly(3-mercaptoalkanoates) Synthesized by Engineered <i>Escherichia coli</i> . <i>Biomacromolecules</i> , 2003, 4, 1698-1702.	2.6	55
263	Production of rubber-like polymers by microorganisms. <i>Current Opinion in Microbiology</i> , 2003, 6, 261-270.	2.3	60
264	Highly Efficient Biotransformation of Eugenol to Ferulic Acid and Further Conversion to Vanillin in Recombinant Strains of <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2003, 69, 6569-6576.	1.4	103
265	<i>Schlegelella thermodepolymerans</i> gen. nov., sp. nov., a novel thermophilic bacterium that degrades poly(3-hydroxybutyrate-co-3-mercapto propionate). <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003, 53, 1165-1168.	0.8	53
266	Identification and Application of Plasmids Suitable for Transfer of Foreign DNA to Members of the Genus <i>Gordonia</i> . <i>Applied and Environmental Microbiology</i> , 2003, 69, 4971-4974.	1.4	38
267	A Novel Bifunctional Wax Ester Synthase/Acyl-CoA:Diacylglycerol Acyltransferase Mediates Wax Ester and Triacylglycerol Biosynthesis in <i>Acinetobacter calcoaceticus</i> ADP1. <i>Journal of Biological Chemistry</i> , 2003, 278, 8075-8082.	1.6	341
268	Constitutive Expression of the β -Ketothiolase Gene in Transgenic Plants. A Major Obstacle for Obtaining Polyhydroxybutyrate-Producing Plants. <i>Plant Physiology</i> , 2002, 128, 1282-1290.	2.3	122
269	Biotransformation of Eugenol to Ferulic Acid by a Recombinant Strain of <i>Ralstonia eutropha</i> H16. <i>Applied and Environmental Microbiology</i> , 2002, 68, 4315-4321.	1.4	42
270	Molecular Characterization of a Thermostable Cyanophycin Synthetase from the Thermophilic Cyanobacterium <i>Synechococcus</i> sp. Strain MA19 and In Vitro Synthesis of Cyanophycin and Related Polyamides. <i>Applied and Environmental Microbiology</i> , 2002, 68, 93-101.	1.4	57

#	ARTICLE	IF	CITATIONS
271	Regulation of phasin expression and polyhydroxyalkanoate (PHA) granule formation in <i>Ralstonia eutropha</i> H16. <i>Microbiology (United Kingdom)</i> , 2002, 148, 2413-2426.	0.7	186
272	Characterization of Microbial Polythioesters: Physical Properties of Novel Copolymers Synthesized by <i>Ralstonia eutropha</i> . <i>Biomacromolecules</i> , 2002, 3, 159-166.	2.6	59
273	Isolation of Cyanophycin-degrading Bacteria, Cloning and Characterization of an Extracellular Cyanophycinase Gene (cphE) from <i>Pseudomonas anguilliseptica</i> Strain Bl. <i>Journal of Biological Chemistry</i> , 2002, 277, 25096-25105.	1.6	56
274	Biochemical and enzymological properties of the polyhydroxybutyrate synthase from the extremely halophilic archaeon strain 56. <i>Archives of Biochemistry and Biophysics</i> , 2002, 403, 284-291.	1.4	44
275	Technical-Scale Production of Cyanophycin with Recombinant Strains of <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2002, 68, 3377-3384.	1.4	98
276	Molecular characterization of the poly(3-hydroxybutyrate) (PHB) synthase from <i>Ralstonia eutropha</i> : in vitro evolution, site-specific mutagenesis and development of a PHB synthase protein model. <i>BBA - Proteins and Proteomics</i> , 2002, 1594, 178-190.	2.1	80
277	Occurrence, functions and biosynthesis of polyamides in microorganisms and biotechnological production. <i>Die Naturwissenschaften</i> , 2002, 89, 11-22.	0.6	185
278	The role of the fatty acid β -oxidation multienzyme complex from <i>Pseudomonas oleovorans</i> in polyhydroxyalkanoate biosynthesis: molecular characterization of the fadBA operon from <i>P. oleovorans</i> and of the enoyl-CoA hydratase genes phaj from <i>P. oleovorans</i> and <i>Pseudomonas putida</i> . <i>Archives of Microbiology</i> , 2002, 178, 149-160.	1.0	88
279	Evaluation of non-cyanobacterial genome sequences for occurrence of genes encoding proteins homologous to cyanophycin synthetase and cloning of an active cyanophycin synthetase from <i>Acinetobacter</i> sp. strain DSM 587. <i>Archives of Microbiology</i> , 2002, 177, 371-380.	1.0	117
280	Biosynthesis of novel thermoplastic polythioesters by engineered <i>Escherichia coli</i> . <i>Nature Materials</i> , 2002, 1, 236-240.	13.3	138
281	Construction and intergeneric conjugative transfer of a pSG5-based cosmid vector from <i>Escherichia coli</i> to the polyisoprene rubber degrading strain <i>Micromonospora aurantiaca</i> W2b. <i>FEMS Microbiology Letters</i> , 2002, 211, 129-132.	0.7	16
282	The malate dehydrogenase of <i>Ralstonia eutropha</i> and functionality of the C3/C4 metabolism in a Tn5-induced <i>mdh</i> mutant. <i>FEMS Microbiology Letters</i> , 2002, 212, 159-164.	0.7	14
283	Formation of Short Chain Length/Medium Chain Length Polyhydroxyalkanoate Copolymers by Fatty Acid β -Oxidation Inhibited <i>Ralstonia eutropha</i> . <i>Biomacromolecules</i> , 2002, 3, 208-213.	2.6	83
284	<i>Gordonia westfalica</i> sp. nov., a novel rubber-degrading actinomycete. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2002, 52, 1133-1139.	0.8	70
285	Identification of novel sulfur-containing bacterial polyesters: biosynthesis of poly(3-hydroxy-S-propyl-thioalkanoates) containing thioether linkages in the side chains. <i>Microbiology (United Kingdom)</i> , 2002, 148, 1397-1406.	0.7	28
286	Identification of phenyldecanoic acid as a constituent of triacylglycerols and wax ester produced by <i>Rhodococcus opacus</i> PD630. <i>Microbiology (United Kingdom)</i> , 2002, 148, 1407-1412.	0.7	54
287	Biosynthesis of Poly(3-hydroxybutyrate-co-3-mercaptoputyrate) as a Sulfur Analogue to Poly(3-hydroxybutyrate) (PHB). <i>Biomacromolecules</i> , 2001, 2, 1061-1065.	2.6	74
288	Heterologous Expression of Cyanophycin Synthetase and Cyanophycin Synthesis in the Industrial Relevant Bacteria <i>Corynebacterium glutamicum</i> and <i>Ralstonia eutropha</i> and in <i>Pseudomonas putida</i> . <i>Biomacromolecules</i> , 2001, 2, 1338-1342.	2.6	73

#	ARTICLE	IF	CITATIONS
289	Preparative isolation of lipid inclusions from <i>Rhodococcus opacus</i> and <i>Rhodococcus ruber</i> and identification of granule-associated proteins. <i>Archives of Microbiology</i> , 2001, 177, 20-28.	1.0	42
290	Heterologous expression of the acyl-acyl carrier protein thioesterase gene from the plant <i>Umbellularia californica</i> mediates polyhydroxyalkanoate biosynthesis in recombinant <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2001, 55, 205-209.	1.7	30
291	Perspectives for Biotechnological Production and Utilization of Biopolymers: Metabolic Engineering of Polyhydroxyalkanoate Biosynthesis Pathways as a Successful Example. <i>Macromolecular Bioscience</i> , 2001, 1, 1-24.	2.1	327
292	Bioplastik aus Nutzpflanzen: Palette der nachwachsenden Rohstoffe erweitert. <i>Biologie in Unserer Zeit</i> , 2001, 31, 250-258.	0.3	7
293	Biochemical and Molecular Basis of Microbial Synthesis of Polyhydroxyalkanoates in Microorganisms. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2001, 71, 81-123.	0.6	117
294	Role of Fatty Acid De Novo Biosynthesis in Polyhydroxyalkanoic Acid (PHA) and Rhamnolipid Synthesis by <i>Pseudomonads</i> : Establishment of the Transacylase (PhaG)-Mediated Pathway for PHA Biosynthesis in <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2001, 67, 3102-3109.	1.4	143
295	Identification of a new class of biopolymer: bacterial synthesis of a sulfur-containing polymer with thioester linkages. <i>Microbiology (United Kingdom)</i> , 2001, 147, 11-19.	0.7	162
296	The methylcitric acid pathway in <i>Ralstonia eutropha</i> : new genes identified involved in propionate metabolism The GenBank accession numbers for the nucleotide sequences of the prp gene cluster are AF325554 and AF331923.. <i>Microbiology (United Kingdom)</i> , 2001, 147, 2203-2214.	0.7	66
297	Isolation and characterization of an <i>Achromobacter xylosoxidans</i> strain B3 and other bacteria capable to degrade the synthetic chelating agent iminodisuccinate. <i>FEMS Microbiology Letters</i> , 2000, 188, 41-46.	0.7	31
298	In vitro effects of sterculic acid on lipid biosynthesis in <i>Rhodococcus opacus</i> strain PD630 and isolation of mutants defective in fatty acid desaturation. <i>FEMS Microbiology Letters</i> , 2000, 190, 45-50.	0.7	17
299	Title is missing!. <i>Biotechnology Letters</i> , 2000, 22, 443-449.	1.1	3
300	Molecular characterization of the cyanophycin synthetase from <i>Synechocystis</i> sp. strain PCC6308. <i>Archives of Microbiology</i> , 2000, 174, 297-306.	1.0	112
301	<i>Rhodococcus opacus</i> strain PD630 as a new source of high-value single-cell oil? Isolation and characterization of triacylglycerols and other storage lipids. <i>Microbiology (United Kingdom)</i> , 2000, 146, 1143-1149.	0.7	127
302	Title is missing!. <i>Biotechnology Letters</i> , 1999, 21, 193-197.	1.1	39
303	Biochemical and genetic analysis of PHA synthases and other proteins required for PHA synthesis. <i>International Journal of Biological Macromolecules</i> , 1999, 25, 3-19.	3.6	351
304	<i>Gordonia polyisoprenivorans</i> sp. nov., a rubber-degrading actinomycete isolated from an automobile tyre. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 1999, 49, 1785-1791.	0.8	139
305	Biosynthesis and Characterization of Poly(3-hydroxy-4-pentenoic acid). <i>Macromolecules</i> , 1999, 32, 7389-7395.	2.2	46
306	Title is missing!. <i>Biotechnology Letters</i> , 1998, 20, 507-510.	1.1	4

#	ARTICLE	IF	CITATIONS
307	Bacterial and other biological systems for polyester production. Trends in Biotechnology, 1998, 16, 419-427.	4.9	468
308	Biosynthesis of novel copolyesters containing 3-hydroxypivalic acid by Rhodococcus ruber NCIMB 40126 and related bacteria. FEMS Microbiology Letters, 1998, 159, 85-92.	0.7	13
309	In vitro synthesis of poly(3-hydroxybutyric acid) by using an enzymatic coenzyme A recycling system. FEMS Microbiology Letters, 1998, 168, 319-324.	0.7	70
310	Biosynthesis of polyesters in bacteria and recombinant organisms. Polymer Degradation and Stability, 1998, 59, 177-182.	2.7	39
311	Biosynthesis of novel copolyesters containing 3-hydroxypivalic acid by Rhodococcus ruber NCIMB 40126 and related bacteria. FEMS Microbiology Letters, 1998, 159, 85-92.	0.7	7
312	Metabolic routing towards polyhydroxyalkanoic acid synthesis in recombinant Escherichia coli (fadR): inhibition of fatty acid β -oxidation by acrylic acid. FEMS Microbiology Letters, 1998, 167, 89-94.	0.7	81
313	A New Metabolic Link between Fatty Acid de Novo Synthesis and Polyhydroxyalkanoic Acid Synthesis. Journal of Biological Chemistry, 1998, 273, 24044-24051.	1.6	259
314	Biosynthetic and biodegradable polyesters from renewable resources: Current state and prospects. Macromolecular Symposia, 1997, 123, 61-66.	0.4	10
315	Electron microscopic observations on the macromolecular organization of the boundary layer of bacterial PHA inclusion bodies.. Journal of General and Applied Microbiology, 1996, 42, 445-455.	0.4	43
316	New knowledge about the PHA-locus and P(3HB) granule-associated proteins in Chromatium vinosum. Biotechnology Letters, 1996, 18, 719-724.	1.1	19
317	Metabolic Pathway for Biosynthesis of Poly (3-Hydroxybutyrate-co-4-Hydroxybutyrate) from 4-Hydroxybutyrate by Alcaligenes eutrophus. FEBS Journal, 1995, 227, 43-60.	0.2	70
318	Biosynthesis of poly-3-hydroxybutyric acid by the facultatively methanol-assimilating bacterium Mycoplana rubra B346 and recombinant strains. Journal of Basic Microbiology, 1995, 35, 179-188.	1.8	9
319	Mikrobielle und chemische Synthese von biologisch abbaubaren Polyestern. Chemie in Unserer Zeit, 1995, 29, 260-271.	0.1	13
320	Diversity of bacterial polyhydroxyalkanoic acids. FEMS Microbiology Letters, 1995, 128, 219-228.	0.7	706
321	Accumulation of poly(3-hydroxybutyric acid-co-3-hydroxyvaleric acid-co-4-hydroxyvaleric acid) by mutants and recombinant strains of Alcaligenes eutrophus. Journal of Polymers and the Environment, 1995, 3, 169-175.	0.8	36
322	Large-scale production of poly(3-hydroxyvaleric acid) by fermentation of Chromobacterium violaceum, processing, and characterization of the homopolyester. Journal of Polymers and the Environment, 1995, 3, 243-258.	0.8	32
323	Considerations on the structure and biochemistry of bacterial polyhydroxyalkanoic acid inclusions. Canadian Journal of Microbiology, 1995, 41, 94-105.	0.8	258
324	A general method for identification of polyhydroxyalkanoic acid synthase genes from pseudomonads belonging to the rRNA homology group I. Applied Microbiology and Biotechnology, 1994, 40, 669-675.	1.7	37

#	ARTICLE	IF	CITATIONS
325	Application of recombinant gene technology for production of polyhydroxyalkanoic acids: Biosynthesis of poly(4-hydroxybutyric acid) homopolyester. <i>Journal of Polymers and the Environment</i> , 1994, 2, 67-74.	0.8	50
326	Application of enzymatically synthesized short-chain-length hydroxy fatty acid coenzyme A thioesters for assay of polyhydroxyalkanoic acid synthases. <i>Applied Microbiology and Biotechnology</i> , 1994, 40, 699-709.	1.7	140
327	Identification of 4-hydroxyhexanoic acid as a new constituent of biosynthetic polyhydroxyalkanoic acids from bacteria. <i>Applied Microbiology and Biotechnology</i> , 1994, 40, 710-716.	1.7	49
328	Purification and Characterization of the Poly(Hydroxyalkanoic Acid) Synthase from <i>Chromatium vinosum</i> and Localization of the Enzyme at the Surface of Poly(Hydroxyalkanoic Acid) Granules. <i>FEBS Journal</i> , 1994, 226, 71-80.	0.2	6
329	Purification and Characterization of the Poly(Hydroxyalkanoic Acid) Synthase from <i>Chromatium vinosum</i> and Localization of the Enzyme at the Surface of Poly(Hydroxyalkanoic Acid) Granules. <i>FEBS Journal</i> , 1994, 226, 71-80.	0.2	115
330	Cloning and molecular analysis of the poly(3-hydroxybutyric acid) biosynthetic genes of <i>Thiocystis violacea</i> . <i>Applied Microbiology and Biotechnology</i> , 1993, 38, 493-501.	1.7	66
331	Characterization of the Polyhydroxyalkanoate Synthase Gene Locus of <i>Rhodobacter Sphaeroides</i> . <i>Biotechnology Letters</i> , 1993, 15, 709-714.	1.1	29
332	Production of a copolyester of 3-hydroxybutyric acid and 3-hydroxyvaleric acid from single unrelated carbon sources by a mutant of <i>Alcaligenes eutrophus</i> . <i>Applied Microbiology and Biotechnology</i> , 1992, 37, 1.	1.7	87
333	Identification, cloning and sequence analysis of the poly(3-hydroxyalkanoic acid) synthase gene of the Gram-positive bacterium <i>Rhodococcus ruber</i> . <i>FEMS Microbiology Letters</i> , 1992, 96, 73-79.	0.7	65
334	Biodegradable plastics. <i>Current Opinion in Biotechnology</i> , 1992, 3, 291-297.	3.3	64
335	Cloning and molecular analysis of the poly(3-hydroxyalkanoic acid) gene locus of <i>Pseudomonas aeruginosa</i> PAO1. <i>FEBS Journal</i> , 1992, 209, 15-30.	0.2	162
336	Cloning and nucleotide sequences of genes relevant for biosynthesis of poly(3-hydroxybutyric acid) in <i>Chromatium vinosum</i> strain D. <i>FEBS Journal</i> , 1992, 209, 135-150.	0.2	130
337	Formation of poly(3-hydroxyalkanoates) by phototrophic and chemolithotrophic bacteria. <i>Archives of Microbiology</i> , 1991, 155, 415-421.	1.0	160
338	Polyhydroxyalkanoic acids. , 1991, , 123-213.		209
339	Lactose- and galactose-utilizing strains of poly(hydroxyalkanoic acid)-accumulating <i>Alcaligenes eutrophus</i> and <i>Pseudomonas saccharophila</i> obtained by recombinant DNA technology. <i>Applied Microbiology and Biotechnology</i> , 1990, 33, 410.	1.7	36
340	Isolation of prokaryotic RNA and detection of specific mRNA with biotinylated probes. <i>Journal of Microbiological Methods</i> , 1990, 11, 73-81.	0.7	144
341	Excretion of pyruvate by mutants of <i>Alcaligenes eutrophus</i> , which are impaired in the accumulation of poly(3-hydroxybutyric acid) (PHB), under conditions permitting synthesis of PHB. <i>Applied Microbiology and Biotechnology</i> , 1989, 31, 168-175.	1.7	89
342	Expression of the <i>Alcaligenes eutrophus</i> poly(3-hydroxybutyric acid)-synthetic pathway in <i>Pseudomonas</i> sp.. <i>Archives of Microbiology</i> , 1989, 153, 101-104.	1.0	37

#	ARTICLE	IF	CITATIONS
343	A multifunctional fermentative alcohol dehydrogenase from the strict aerobe <i>Alcaligenes eutrophus</i> : purification and properties. <i>FEBS Journal</i> , 1984, 141, 555-564.	0.2	52
344	NAD-Linked l(+)-Lactate Dehydrogenase from the Strict Aerobe <i>Alcaligenes eutrophus</i> . 1. Purification and Properties. <i>FEBS Journal</i> , 1983, 130, 321-328.	0.2	29
345	NAD-Linked l(+)-Lactate Dehydrogenase from the Strict Aerobe <i>Alcaligenes eutrophus</i> . 2. Kinetic Properties and Inhibition by Oxaloacetate. <i>FEBS Journal</i> , 1983, 130, 329-334.	0.2	13
346	Conversion of the nitrogen content in liquid manure into biomass and polyglutamic acid by a newly isolated strain of <i>Bacillus licheniformis</i> . , 0, .		2
347	A Gram-negative bacterium, identified as <i>Pseudomonas aeruginosa</i> AL98, is a potent degrader of natural rubber and synthetic cis-1,4-polyisoprene. , 0, .		3
348	Evaluation of the function of a luciferase-like monooxygenase homologue in 4,4'-dithiodibutyric acid catabolism in <i>Rhodococcus erythropolis</i> MI2. <i>Systems Microbiology and Biomanufacturing</i> , 0, , 1.	1.5	0