

# Helmut Schwab

## List of Publications by Year in descending order

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6937  
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#	ARTICLE	IF	CITATIONS
1	Racemization-free and scalable amidation of $\alpha$ -proline in organic media using ammonia and a biocatalyst only. <i>Green Chemistry</i> , 2022, 24, 5171-5180.	4.6	2
2	Expanding the Toolbox of R <sup>2</sup> -Selective Amine Transaminases by Identification and Characterization of New Members. <i>ChemBioChem</i> , 2021, 22, 1232-1242.	1.3	14
3	Simple Plug&In Synthetic Step for the Synthesis of ( $\alpha$ )-Camphor from Renewable Starting Materials. <i>ChemBioChem</i> , 2021, 22, 2951-2956.	1.3	6
4	<i>Gordonia hydrophobica</i> Nitrile Hydratase for Amide Preparation from Nitriles. <i>Catalysts</i> , 2021, 11, 1287.	1.6	2
5	<i>Pichia pastoris</i> protease-deficient and auxotrophic strains generated by a novel, user-friendly vector toolbox for gene deletion. <i>Yeast</i> , 2019, 36, 557-570.	0.8	17
6	Hydrogen-Driven Cofactor Regeneration for Stereoselective Whole-Cell C=C Bond Reduction in <i>Cupriavidus necator</i> . <i>ChemSusChem</i> , 2019, 12, 2361-2365.	3.6	9
7	Multi-enzyme cascades as synthetic tool for biocatalysis. <i>Journal of Biotechnology</i> , 2019, 294, 88.	1.9	2
8	Enantioselective One-Pot Synthesis of Biaryl-Substituted Amines by Combining Palladium and Enzyme Catalysis in Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5486-5493.	3.2	51
9	Amine Transaminase from <i>Exophiala xenobiotica</i> – Crystal Structure and Engineering of a Fold IV Transaminase that Naturally Converts Biaryl Ketones. <i>ACS Catalysis</i> , 2019, 9, 1140-1148.	5.5	34
10	CbbR and RegA regulate cbb operon transcription in <i>Ralstonia eutropha</i> H16. <i>Journal of Biotechnology</i> , 2017, 257, 78-86.	1.9	17
11	Crystal Structure and Catalytic Mechanism of CouO, a Versatile C-Methyltransferase from <i>Streptomyces rishiriensis</i> . <i>PLoS ONE</i> , 2017, 12, e0171056.	1.1	16
12	Engineering of TM1459 from <i>Thermotoga maritima</i> for Increased Oxidative Alkene Cleavage Activity. <i>Frontiers in Microbiology</i> , 2016, 7, 1511.	1.5	10
13	Discovery and structural characterisation of new fold type IV-transaminases exemplify the diversity of this enzyme fold. <i>Scientific Reports</i> , 2016, 6, 38183.	1.6	36
14	Combining expression and process engineering for high-quality production of human sialyltransferase in <i>Pichia pastoris</i> . <i>Journal of Biotechnology</i> , 2016, 235, 54-60.	1.9	9
15	Two N-terminally truncated variants of human $\beta$ -2,6 sialyltransferase I with distinct properties for in vitro protein glycosylation. <i>Glycobiology</i> , 2016, 26, 1097-1106.	1.3	7
16	Design of inducible expression vectors for improved protein production in <i>Ralstonia eutropha</i> H16 derived host strains. <i>Journal of Biotechnology</i> , 2016, 235, 92-99.	1.9	19
17	Enzymes as Biodevelopers for Nano- And Micropatterned Bicomponent Biopolymer Thin Films. <i>Biomacromolecules</i> , 2016, 17, 3743-3749.	2.6	21
18	Methyltransferases: Green Catalysts for Friedel-Crafts Alkylations. <i>ChemCatChem</i> , 2016, 8, 1354-1360.	1.8	22

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19	( <i>R</i> )-Selective Nitroaldol Reaction Catalyzed by Metal-Dependent Bacterial Hydroxynitrile Lyases. <i>ChemCatChem</i> , 2016, 8, 2214-2216.	1.8	18
20	Characterization of two novel alcohol short-chain dehydrogenases/reductases from <i>Ralstonia eutropha</i> H16 capable of stereoselective conversion of bulky substrates. <i>Journal of Biotechnology</i> , 2016, 221, 78-90.	1.9	19
21	Restriction site free cloning (RSFC) plasmid family for seamless, sequence independent cloning in <i>Pichia pastoris</i> . <i>Microbial Cell Factories</i> , 2015, 14, 103.	1.9	25
22	Oxidative Alkene Cleavage Catalysed by Manganese-Dependent Cupin TM1459 from <i>Thermotoga maritima</i> . <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 3309-3316.	2.1	22
23	Complete switch from $\alpha$ -2,3- to $\alpha$ -2,6-regioselectivity in <i>Pasteurella dagmatis</i> $\alpha$ -galactoside sialyltransferase by active-site redesign. <i>Chemical Communications</i> , 2015, 51, 3083-3086.	2.2	41
24	Improving the Properties of Bacterial ( <i>R</i> )-Selective Hydroxynitrile Lyases for Industrial Applications. <i>ChemCatChem</i> , 2015, 7, 325-332.	1.8	27
25	Versatile plasmid-based expression systems for Gram-negative bacteria – General essentials exemplified with the bacterium <i>Ralstonia eutropha</i> H16. <i>New Biotechnology</i> , 2015, 32, 552-558.	2.4	22
26	Overexpression of <i>ICE2</i> stabilizes cytochrome P450 reductase in <i>Saccharomyces cerevisiae</i> and <i>Pichia pastoris</i> . <i>Biotechnology Journal</i> , 2015, 10, 623-635.	1.8	34
27	Reprint of – Versatile and stable vectors for efficient gene expression in <i>Ralstonia eutropha</i> H16. <i>Journal of Biotechnology</i> , 2014, 192, 410-418.	1.9	5
28	Crystal Structure of an ( <i>R</i> )-Selective $\alpha$ -Transaminase from <i>Aspergillus terreus</i> . <i>PLoS ONE</i> , 2014, 9, e87350.	1.1	71
29	High-quality production of human $\alpha$ -2,6-sialyltransferase in <i>Pichia pastoris</i> requires control over N-terminal truncations by host-inherent protease activities. <i>Microbial Cell Factories</i> , 2014, 13, 138.	1.9	9
30	Identification of promiscuous ene-reductase activity by mining structural databases using active site constellations. <i>Nature Communications</i> , 2014, 5, 4150.	5.8	67
31	Production of the sesquiterpenoid (+)-nootkatone by metabolic engineering of <i>Pichia pastoris</i> . <i>Metabolic Engineering</i> , 2014, 24, 18-29.	3.6	155
32	Protein expression in <i>Pichia pastoris</i> : recent achievements and perspectives for heterologous protein production. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 5301-5317.	1.7	744
33	Discovery of a novel ( <i>R</i> )-selective bacterial hydroxynitrile lyase from <i>Acidobacterium capsulatum</i> . <i>Computational and Structural Biotechnology Journal</i> , 2014, 10, 58-62.	1.9	22
34	Mechanistic study of CMP-Neu5Ac hydrolysis by $\alpha$ -2,3-sialyltransferase from <i>Pasteurella dagmatis</i> . <i>FEBS Letters</i> , 2014, 588, 2978-2984.	1.3	17
35	Versatile and stable vectors for efficient gene expression in <i>Ralstonia eutropha</i> H16. <i>Journal of Biotechnology</i> , 2014, 186, 74-82.	1.9	33
36	Metagenome analyses reveal the influence of the inoculant <i>Lactobacillus buchneri</i> CD034 on the microbial community involved in grass ensiling. <i>Journal of Biotechnology</i> , 2013, 167, 334-343.	1.9	102

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37	Investigation of one-enzyme systems in the $\alpha$ -transaminase-catalyzed synthesis of chiral amines. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 96, 103-110.	1.8	40
38	Biochemical and structural characterization of a novel bacterial manganese-dependent hydroxynitrile lyase. <i>FEBS Journal</i> , 2013, 280, 5815-5828.	2.2	38
39	Fusion of Binding Domains to <i>Thermobifida cellulosilytica</i> Cutinase to Tune Sorption Characteristics and Enhancing PET Hydrolysis. <i>Biomacromolecules</i> , 2013, 14, 1769-1776.	2.6	137
40	Characterization of a multifunctional $\alpha$ 2,3-sialyltransferase from <i>Pasteurella dagmatis</i> . <i>Glycobiology</i> , 2013, 23, 1293-1304.	1.3	29
41	Surface engineering of a cutinase from <i>Thermobifida cellulosilytica</i> for improved polyester hydrolysis. <i>Biotechnology and Bioengineering</i> , 2013, 110, 2581-2590.	1.7	118
42	Characterization of a new cutinase from <i>Thermobifida alba</i> for PET-surface hydrolysis. <i>Biocatalysis and Biotransformation</i> , 2012, 30, 2-9.	1.1	125
43	A New Esterase from <i>Thermobifida halotolerans</i> Hydrolyses Polyethylene Terephthalate (PET) and Polylactic Acid (PLA). <i>Polymers</i> , 2012, 4, 617-629.	2.0	146
44	Characterization of Two Bacterial Hydroxynitrile Lyases with High Similarity to Cupin Superfamily Proteins. <i>Applied and Environmental Microbiology</i> , 2012, 78, 2053-2055.	1.4	18
45	Extracellular serine proteases from <i>Stenotrophomonas maltophilia</i> : Screening, isolation and heterologous expression in <i>E. coli</i> . <i>Journal of Biotechnology</i> , 2012, 157, 140-147.	1.9	37
46	Insights into the completely annotated genome of <i>Lactobacillus buchneri</i> CD034, a strain isolated from stable grass silage. <i>Journal of Biotechnology</i> , 2012, 161, 153-166.	1.9	85
47	Two-step enzymatic functionalisation of polyamide with phenolics. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 79, 54-60.	1.8	35
48	RECENT ADVANCES IN RATIONAL APPROACHES FOR ENZYME ENGINEERING. <i>Computational and Structural Biotechnology Journal</i> , 2012, 2, e201209010.	1.9	123
49	Molecular characterization of the C-methyltransferase NovO of <i>Streptomyces spheroides</i> , a valuable enzyme for performing Friedel-Crafts alkylation. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 84, 2-8.	1.8	14
50	Crystallization of a novel metal-containing cupin from <i>Acidobacterium</i> sp. and preliminary diffraction data analysis. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 451-454.	0.7	3
51	Crystallization of the novel S-adenosyl-L-methionine-dependent C-methyltransferase CouO from <i>Streptomyces rishiriensis</i> and preliminary diffraction data analysis. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 698-700.	0.7	1
52	Enzymatic Surface Hydrolysis of PET: Effect of Structural Diversity on Kinetic Properties of Cutinases from <i>Thermobifida</i> . <i>Macromolecules</i> , 2011, 44, 4632-4640.	2.2	298
53	Metagenomic analysis of the 1-aminocyclopropane-1-carboxylate deaminase gene ( <i>acdS</i> ) operon of an uncultured bacterial endophyte colonizing <i>Solanum tuberosum</i> L. <i>Archives of Microbiology</i> , 2011, 193, 665-676.	1.0	56
54	Hydrolysis of polyethyleneterephthalate by <i>p</i> -nitrobenzylesterase from <i>Bacillus subtilis</i> . <i>Biotechnology Progress</i> , 2011, 27, 951-960.	1.3	138

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55	High-quality genome sequence of <i>Pichia pastoris</i> CBS7435. <i>Journal of Biotechnology</i> , 2011, 154, 312-320.	1.9	146
56	Engineering of choline oxidase from <i>Arthrobacter nicotianae</i> for potential use as biological bleach in detergents. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 1743-1752.	1.7	15
57	C-terminal truncation of a metagenome-derived detergent protease for effective expression in <i>E. coli</i> . <i>Journal of Biotechnology</i> , 2010, 150, 408-416.	1.9	24
58	Biocatalytic Friedel-Crafts Alkylation Using Non-natural Cofactors. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9546-9548.	7.2	120
59	Heterologous expression and characterization of Choline Oxidase from the soil bacterium <i>Arthrobacter nicotianae</i> . <i>Applied Microbiology and Biotechnology</i> , 2009, 81, 875-886.	1.7	16
60	EstB from <i>Burkholderia gladioli</i> : A novel esterase with a $\beta$ -lactamase fold reveals steric factors to discriminate between esterolytic and $\beta$ -lactam cleaving activity. <i>Protein Science</i> , 2009, 11, 467-478.	3.1	117
61	The SGNH-hydrolase of <i>Streptomyces coelicolor</i> has (aryl)esterase and a true lipase activity. <i>Biochimie</i> , 2009, 91, 390-400.	1.3	39
62	Improvement of a Stereoselective Biocatalytic Synthesis by Substrate and Enzyme Engineering: 2-Hydroxy-(4-oxocyclohexyl)acetonitrile as the Model. <i>Chemistry - A European Journal</i> , 2008, 14, 11415-11422.	1.7	24
63	A Two-Step Method to Covalently Bind Biomolecules to Group-IV Semiconductors: Si(111)/1,2-Epoxy-9-decene/Esterase. <i>Langmuir</i> , 2008, 24, 13957-13961.	1.6	6
64	Alternative pig liver esterase (APLE) - Cloning, identification and functional expression in <i>Pichia pastoris</i> of a versatile new biocatalyst. <i>Journal of Biotechnology</i> , 2008, 133, 301-310.	1.9	33
65	Random strand transfer recombination (RSTR) for homology-independent nucleic acid recombination. <i>Journal of Biotechnology</i> , 2007, 129, 39-49.	1.9	5
66	A novel screening assay for hydroxynitrile lyases suitable for high-throughput screening. <i>Journal of Biotechnology</i> , 2007, 129, 151-161.	1.9	31
67	Inverting enantioselectivity of <i>Burkholderia gladioli</i> esterase EstB by directed and designed evolution. <i>Journal of Biotechnology</i> , 2007, 129, 109-122.	1.9	44
68	Stability and activity improvement of cephalosporin esterase EstB from <i>Burkholderia gladioli</i> by directed evolution and structural interpretation of mutants. <i>Journal of Biotechnology</i> , 2007, 129, 98-108.	1.9	24
69	Micro-colony array based high throughput platform for enzyme library screening. <i>Journal of Biotechnology</i> , 2007, 129, 162-170.	1.9	11
70	An efficient plasmid vector for expression cloning of large numbers of PCR fragments in <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2007, 77, 241-244.	1.7	15
71	Planar optical sensors: A tool for screening enzyme activity in high density cell arrays. <i>Sensors and Actuators B: Chemical</i> , 2006, 114, 984-994.	4.0	6
72	Nitrile hydrolysis activity of <i>Rhodococcus erythropolis</i> NCIMB 11540 whole cells. <i>Biotechnology Journal</i> , 2006, 1, 569-573.	1.8	15

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73	2-D solid-state assay platform: a tool for screening aldehyde-releasing enzyme activity in colonies. <i>Mikrochimica Acta</i> , 2006, 156, 209-218.	2.5	1
74	A versatile colony assay based on NADH fluorescence. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2006, 39, 149-155.	1.8	31
75	Cell Surface Expression of Bacterial Esterase A by <i>Saccharomyces cerevisiae</i> and Its Enhancement by Constitutive Activation of the Cellular Unfolded Protein Response. <i>Applied and Environmental Microbiology</i> , 2006, 72, 7140-7147.	1.4	32
76	Reaction Mechanism of Hydroxynitrile Lyases of the $\alpha/\beta$ -Hydrolase Superfamily. <i>Journal of Biological Chemistry</i> , 2004, 279, 20501-20510.	1.6	71
77	Observation of a Short, Strong Hydrogen Bond in the Active Site of Hydroxynitrile Lyase from <i>Hevea brasiliensis</i> Explains a Large pK Shift of the Catalytic Base Induced by the Reaction Intermediate. <i>Journal of Biological Chemistry</i> , 2004, 279, 3699-3707.	1.6	36
78	Biocatalytic conversion of unnatural substrates by recombinant almond R-HNL isoenzyme 5. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004, 29, 211-218.	1.8	30
79	Cloning and sequence analysis of the glyceraldehyde-3-phosphate dehydrogenase gene from the zygomycetes fungus <i>Rhizomucor miehei</i> . <i>Antonie Van Leeuwenhoek</i> , 2004, 86, 111-119.	0.7	10
80	Enzymatic hydrolysis of cyanohydrins with recombinant nitrile hydratase and amidase from <i>hodococcus erythropolis</i> . <i>Biotechnology Letters</i> , 2004, 26, 1675-1680.	1.1	29
81	Reliable high-throughput screening with by limiting yeast cell death phenomena. <i>FEMS Yeast Research</i> , 2004, 5, 179-189.	1.1	143
82	Endophytic <i>Pseudomonas</i> spp. populations of pathogen-infected potato plants analysed by 16S rDNA- and 16S rRNA-based denaturing gradient gel electrophoresis. <i>Plant and Soil</i> , 2003, 257, 397-405.	1.8	38
83	Esterase EstE from <i>Xanthomonas vesicatoria</i> (Xv_EstE) is an outer membrane protein capable of hydrolyzing long-chain polar esters. <i>Applied Microbiology and Biotechnology</i> , 2003, 61, 479-487.	1.7	23
84	Comprehensive Step-by-Step Engineering of an (R)-Hydroxynitrile Lyase for Large-Scale Asymmetric Synthesis. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4815-4818.	7.2	109
85	Identification and Characterization of a GDSL Esterase Gene Located Proximal to the swr Quorum-Sensing System of <i>Serratia liquefaciens</i> MG1. <i>Applied and Environmental Microbiology</i> , 2003, 69, 3901-3910.	1.4	33
86	Cloning and sequence analysis of <i>Mucor Circinelloides</i> glyceraldehyde-3-phosphate dehydrogenase gene. <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2002, 49, 305-312.	0.4	1
87	High-level expression of industrial enzymes originated from plants in fungal hosts. <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2002, 49, 161-162.	0.4	1
88	Response of Endophytic Bacterial Communities in Potato Plants to Infection with <i>Erwinia carotovora</i> subsp. <i>atroseptica</i> . <i>Applied and Environmental Microbiology</i> , 2002, 68, 2261-2268.	1.4	253
89	Functional esterase surface display by the autotransporter pathway in <i>Escherichia coli</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2002, 18, 89-97.	1.8	49
90	Cloning, expression and characterization of a new 2-Cl-propionic acid ester hydrolase from <i>B. subtilis</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2002, 19-20, 237-245.	1.8	6

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91	A <i>Penicillium chrysogenum</i> gene ( <i>aox</i> ) identified by specific induction upon shifting pH encodes for a protein which shows high homology to fungal alcohol oxidases. <i>Current Genetics</i> , 2002, 40, 339-344.	0.8	18
92	A novel esterase from <i>Burkholderia gladioli</i> which shows high deacetylation activity on cephalosporins is related to $\beta$ -lactamases and dd-peptidases. <i>Journal of Biotechnology</i> , 2001, 89, 11-25.	1.9	92
93	The synthesis of chiral cyanohydrins by oxynitrilases. <i>Trends in Biotechnology</i> , 2000, 18, 252-256.	4.9	109
94	Cloning and characterization of EstC from <i>Burkholderia gladioli</i> , a novel-type esterase related to plant enzymes. <i>Applied Microbiology and Biotechnology</i> , 2000, 54, 778-785.	1.7	26
95	Plasmid RK2 ParB Protein: Purification and Nuclease Properties. <i>Journal of Bacteriology</i> , 1999, 181, 6010-6018.	1.0	19
96	Novel <i>Rhodococcus</i> esterases by genetic engineering. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 1998, 5, 261-266.	1.8	11
97	The defense-related rice gene <i>Pir7b</i> encodes an alpha/beta hydrolase fold protein exhibiting esterase activity towards naphthol AS-esters. <i>FEBS Journal</i> , 1998, 254, 32-37.	0.2	35
98	Detection of a new enzyme for stereoselective hydrolysis of linalyl acetate using simple plate assays for the characterization of cloned esterases from <i>Burkholderia gladioli</i> . <i>Journal of Biotechnology</i> , 1998, 62, 47-54.	1.9	28
99	Molecular cloning, sequencing and expression in <i>Escherichia coli</i> of the poly(3-hydroxyalkanoate) synthesis genes from <i>Alcaligenes latus</i> DSM1124. <i>Journal of Biotechnology</i> , 1998, 64, 123-135.	1.9	16
100	Fluorescence screening for lipolytic enzymes. <i>Studies in Organic Chemistry</i> , 1998, 53, 53-60.	0.2	2
101	A comparative study of thermal inactivation of enzymes in supercritical carbon dioxide. <i>Progress in Biotechnology</i> , 1998, 15, 471-476.	0.2	2
102	Role of the <i>parCBA</i> Operon of the Broad-Host-Range Plasmid RK2 in Stable Plasmid Maintenance. <i>Journal of Bacteriology</i> , 1998, 180, 6023-6030.	1.0	46
103	The ParB protein encoded by the RP4 <i>par</i> region is a Ca <sup>2+</sup> -dependent nuclease linearizing circular DNA substrates. <i>Microbiology (United Kingdom)</i> , 1997, 143, 3889-3898.	0.7	14
104	Enzymatic cleavage and formation of cyanohydrins: a reaction of biological and synthetic relevance. <i>Chemical Communications</i> , 1997, , 1933.	2.2	106
105	High-Level Intracellular Expression of Hydroxynitrile Lyase from the Tropical Rubber Tree <i>Hevea brasiliensis</i> in Microbial Hosts. <i>Protein Expression and Purification</i> , 1997, 11, 61-71.	0.6	126
106	New <i>Pseudomonas</i> esterases by genetic engineering. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 1997, 3, 25-27.	1.8	7
107	Screening for hydroxynitrile lyases in plants. <i>Biotechnology Letters</i> , 1997, 11, 55-58.	0.5	14
108	Crystallization and preliminary X-ray diffraction studies of the <i>Pseudomonas marginata</i> esterase EstB. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1997, 53, 596-598.	2.5	2

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109	Hydroxynitrile lyase from <i>Hevea brasiliensis</i> : Molecular characterization and mechanism of enzyme catalysis. , 1997, 27, 438-449.		33
110	Hydroxynitrile lyase from <i>Hevea brasiliensis</i> : molecular characterization and mechanism of enzyme catalysis. <i>Proteins: Structure, Function and Bioinformatics</i> , 1997, 27, 438-49.	1.5	3
111	Cloning and characterization of the gene for the thermostable xylanase XynA from <i>Thermomyces lanuginosus</i> . <i>Journal of Biotechnology</i> , 1996, 49, 211-218.	1.9	75
112	(S)-Hydroxynitrile Lyase from <i>Hevea brasiliensis</i> . <i>Annals of the New York Academy of Sciences</i> , 1996, 799, 707-712.	1.8	14
113	Molecular cloning and homology modeling of protocatechuate 3,4-dioxygenase from <i>Pseudomonas marginata</i> . <i>Microbiological Research</i> , 1996, 151, 359-370.	2.5	16
114	Mechanism of cyanogenesis: the crystal structure of hydroxynitrile lyase from <i>Hevea brasiliensis</i> . <i>Structure</i> , 1996, 4, 811-822.	1.6	108
115	Crystallization and preliminary X-ray diffraction studies of a hydroxynitrile lyase from <i>Hevea brasiliensis</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1996, 52, 591-593.	2.5	8
116	Enzymatic catalysis in supercritical carbon dioxide: Comparison of different lipases and a novel esterase. <i>Biotechnology Letters</i> , 1996, 18, 79-84.	1.1	38
117	Molecular Cloning of the Full-length cDNA of (S)-Hydroxynitrile Lyase from <i>Hevea brasiliensis</i> . <i>Journal of Biological Chemistry</i> , 1996, 271, 5884-5891.	1.6	107
118	Comparison of ccd of F, parDE of RP4, and parD of R1 using a novel conditional replication control system of plasmid R1. <i>Molecular Microbiology</i> , 1995, 17, 211-220.	1.2	84
119	Efficient secretion of <i>Bacillus subtilis</i> levanase by <i>Saccharomyces cerevisiae</i> . <i>Gene</i> , 1995, 161, 45-49.	1.0	10
120	Expression of <i>Bacillus subtilis</i> levanase gene in <i>Lactobacillus plantarum</i> and <i>Lactobacillus casei</i> . <i>Applied Microbiology and Biotechnology</i> , 1995, 43, 297-303.	1.7	18
121	Expression of <i>Bacillus subtilis</i> levanase gene in <i>Lactobacillus plantarum</i> and <i>Lactobacillus casei</i> . <i>Applied Microbiology and Biotechnology</i> , 1995, 43, 297-303.	1.7	1
122	Purification and characterization of the <i>Bacillus subtilis</i> levanase produced in <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 1995, 61, 1953-1958.	1.4	43
123	Analysis of the multimer resolution system encoded by the parCBA operon of broad-host-range plasmid RP4. <i>Molecular Microbiology</i> , 1994, 12, 131-141.	1.2	91
124	Complete Nucleotide Sequence of Birmingham IncP $\pm$ Plasmids. <i>Journal of Molecular Biology</i> , 1994, 239, 623-663.	2.0	502
125	Stability of r-microbes: Stabilization of plasmid vectors by the partitioning function of broad-host-range plasmid RP4. <i>Journal of Biotechnology</i> , 1993, 28, 291-299.	1.9	11
126	The Cloned <i>Bacillus Subtilis</i> Levanase Gene as a Potent System for the Exploitation of Inulin in Biotechnological Processes. <i>Studies in Plant Science</i> , 1993, 3, 289-295.	0.5	0



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127	The divergent promoters mediating transcription of the par locus of plasmid RP4 are subject to autoregulation. <i>Molecular Microbiology</i> , 1992, 6, 1969-1979.	1.2	41
128	Expression of the <i>Bacillus subtilis</i> levanase gene in <i>Escherichia coli</i> and <i>Saccharomyces cerevisiae</i> . <i>Journal of Biotechnology</i> , 1991, 18, 243-254.	1.9	12
129	Molecular characterization and functional analysis in <i>Aspergillus nidulans</i> of the 5' region of the <i>Penicillium chrysogenum</i> isopenicillin N synthetase gene. <i>Journal of Biotechnology</i> , 1991, 17, 67-80.	1.9	37
130	Partitioning of broad-host-range plasmid RP4 is a complex system involving site-specific recombination. <i>Journal of Bacteriology</i> , 1990, 172, 6194-6203.	1.0	114
131	Heterologous transformation of <i>Claviceps purpurea</i> . <i>Biotechnology Letters</i> , 1989, 11, 389-392.	1.1	10
132	Strain improvement in industrial microorganisms by recombinant DNA techniques. , 1988, , 129-168.		4
133	Molecular characterization of <i>Bacillus subtilis</i> levanase and a C-terminal deleted derivative. <i>Journal of Biotechnology</i> , 1988, 7, 247-257.	1.9	14
134	Transformation of <i>Penicillium chrysogenum</i> using dominant selection markers and expression of an <i>Escherichia coli</i> lacZ fusion gene. <i>Gene</i> , 1988, 62, 127-134.	1.0	222
135	Nucleotide sequence of a cloned 2.5 kb PstI-EcoRI <i>Bacillus subtilis</i> DNA fragment coding for levanase. <i>Nucleic Acids Research</i> , 1987, 15, 9606-9606.	6.5	12
136	Cloning and phenotypic expression in <i>Escherichia coli</i> of a <i>Bacillus subtilis</i> gene fragment coding for sucrose hydrolysis. <i>Journal of Biotechnology</i> , 1986, 3, 333-341.	1.9	14
137	Mapping and cloning of the par-region of broad-host-range plasmid RP4. <i>Journal of Biotechnology</i> , 1986, 4, 333-343.	1.9	31
138	Occurrence of deletion plasmids at high rates after conjugative transfer of the plasmids RP4 and RK2 from <i>Escherichia coli</i> to <i>Alcaligenes eutrophus</i> H16. <i>Archives of Microbiology</i> , 1983, 136, 140-146.	1.0	17