# Helmut Schwab

List of Publications by Year
in descending order



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|---|---|---|---|
| 138 papers | 7,153 citations | 81900 39 h-index | 64796 79 g-index |
| 154 all docs | 154 docs citations | 154 times ranked | 6291 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Racemization-free and scalable amidation of <scp>l</scp>-proline in organic media using ammonia and a biocatalyst only. Green Chemistry, 2022, 24, 5171-5180. | 9.0 | 2 |
| 2 | Expanding the Toolbox of R â€Selective Amine Transaminases by Identification and Characterization of New Members. ChemBioChem, 2021, 22, 1232-1242. | 2.6 | 14 |
| 3 | Simple Plugâ€In Synthetic Step for the Synthesis of (âˆ’)â€Camphor from Renewable Starting Materials. ChemBioChem, 2021, 22, 2951-2956. | 2.6 | 6 |
| 4 | Gordonia hydrophobica Nitrile Hydratase for Amide Preparation from Nitriles. Catalysts, 2021, 11, 1287. | 3.5 | 2 |
| 5 | Pichia pastoris proteaseâ€deficient and auxotrophic strains generated by a novel, userâ€friendly vector toolbox for gene deletion. Yeast, 2019, 36, 557-570. | 1.7 | 17 |
| 6 | Hydrogenâ€Driven Cofactor Regeneration for Stereoselective Wholeâ€Cell C=C Bond Reduction in Cupriavidus necator. ChemSusChem, 2019, 12, 2361-2365. | 6.8 | 9 |
| 7 | Multi-enzyme cascades as synthetic tool for biocatalysis. Journal of Biotechnology, 2019, 294, 88. | 3.8 | 2 |
| 8 | Enantioselective One-Pot Synthesis of Biaryl-Substituted Amines by Combining Palladium and Enzyme Catalysis in Deep Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2019, 7, 5486-5493. | 6.7 | 51 |
| 9 | Amine Transaminase fromExophiala Xenobioticaâ€"Crystal Structure and Engineering of a Fold IV Transaminase that Naturally Converts Biaryl Ketones. ACS Catalysis, 2019, 9, 1140-1148. | 11.2 | 34 |
| 10 | CbbR and RegA regulate cbb operon transcription in Ralstonia eutropha H16. Journal of Biotechnology, 2017, 257, 78-86. | 3.8 | 17 |
| 11 | Crystal Structure and Catalytic Mechanism of CouO, a Versatile C-Methyltransferase from Streptomyces rishiriensis. PLoS ONE, 2017, 12, e0171056. | 2.5 | 16 |
| 12 | Engineering of TM1459 from Thermotoga maritima for Increased Oxidative Alkene Cleavage Activity. Frontiers in Microbiology, 2016, 7, 1511. | 3.5 | 10 |
| 13 | Discovery and structural characterisation of new fold type IV-transaminases exemplify the diversity of this enzyme fold. Scientific Reports, 2016, 6, 38183. | 3.3 | 36 |
| 14 | Combining expression and process engineering for high-quality production of human sialyltransferase in Pichia pastoris. Journal of Biotechnology, 2016, 235, 54-60. | 3.8 | 9 |
| 15 | Two N-terminally truncated variants of human Î²-galactoside Î±2,6 sialyltransferase I with distinct properties for inÂvitro protein glycosylation. Glycobiology, 2016, 26, 1097-1106. | 2.5 | 7 |
| 16 | Design of inducible expression vectors for improved protein production in Ralstonia eutropha H16 derived host strains. Journal of Biotechnology, 2016, 235, 92-99. | 3.8 | 19 |
| 17 | Enzymes as Biodevelopers for Nano- And Micropatterned Bicomponent Biopolymer Thin Films. Biomacromolecules, 2016, 17, 3743-3749. | 5.4 | 21 |
| 18 | Methyltransferases: Green Catalysts for Friedelâ€"Crafts Alkylations. ChemCatChem, 2016, 8, 1354-1360. | 3.7 | 22 |

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| 19 | (R)â€Selective Nitroaldol Reaction Catalyzed by Metalâ€Dependent Bacterial Hydroxynitrile Lyases. ChemCatChem, 2016, 8, 2214-2216. | 3.7 | 18 |
| 20 | Characterization of two novel alcohol short-chain dehydrogenases/reductases from Ralstonia eutropha H16 capable of stereoselective conversion of bulky substrates. Journal of Biotechnology, 2016, 221, 78-90. | 3.8 | 19 |
| 21 | Restriction site free cloning (RSFC) plasmid family for seamless, sequence independent cloning in Pichia pastoris. Microbial Cell Factories, 2015, 14, 103. | 4.0 | 25 |
| 22 | Oxidative Alkene Cleavage Catalysed by Manganeseâ€Dependent Cupin TM1459 from Thermotoga maritima. Advanced Synthesis and Catalysis, 2015, 357, 3309-3316. | 4.3 | 22 |
| 23 | Complete switch from Î±-2,3- to Î±-2,6-regioselectivity in Pasteurella dagmatis Î²-<scp>d</scp>-galactoside sialyltransferase by active-site redesign. Chemical Communications, 2015, 51, 3083-3086. | 4.1 | 41 |
| 24 | Improving the Properties of Bacterial Râ€Selective Hydroxynitrile Lyases for Industrial Applications. ChemCatChem, 2015, 7, 325-332. | 3.7 | 27 |
| 25 | Versatile plasmid-based expression systems for Gram-negative bacteriaâ€"General essentials exemplified with the bacterium Ralstonia eutropha H16. New Biotechnology, 2015, 32, 552-558. | 4.4 | 22 |
| 26 | Overâ€expression of ICE2 stabilizes cytochrome P450 reductase in Saccharomyces cerevisiae and Pichia pastoris. Biotechnology Journal, 2015, 10, 623-635. | 3.5 | 34 |
| 27 | Reprint of â€œVersatile and stable vectors for efficient gene expression in Ralstonia eutropha H16â€. Journal of Biotechnology, 2014, 192, 410-418. | 3.8 | 5 |
| 28 | Crystal Structure of an (R)-Selective Ï‰-Transaminase from Aspergillus terreus. PLoS ONE, 2014, 9, e87350. | 2.5 | 71 |
| 29 | High-quality production of human Î±-2,6-sialyltransferase in Pichia pastoris requires control over N-terminal truncations by host-inherent protease activities. Microbial Cell Factories, 2014, 13, 138. | 4.0 | 9 |
| 30 | Identification of promiscuous ene-reductase activity by mining structural databases using active site constellations. Nature Communications, 2014, 5, 4150. | 12.8 | 67 |
| 31 | Production of the sesquiterpenoid (+)-nootkatone by metabolic engineering of Pichia pastoris. Metabolic Engineering, 2014, 24, 18-29. | 7.0 | 155 |
| 32 | Protein expression in Pichia pastoris: recent achievements and perspectives for heterologous protein production. Applied Microbiology and Biotechnology, 2014, 98, 5301-5317. | 3.6 | 744 |
| 33 | Discovery of a novel (R)-selective bacterial hydroxynitrile lyase from Acidobacterium capsulatum. Computational and Structural Biotechnology Journal, 2014, 10, 58-62. | 4.1 | 22 |
| 34 | Mechanistic study of CMP-Neu5Ac hydrolysis by Î±2,3-sialyltransferase fromPasteurella dagmatis. FEBS Letters, 2014, 588, 2978-2984. | 2.8 | 17 |
| 35 | Versatile and stable vectors for efficient gene expression in Ralstonia eutropha H16. Journal of Biotechnology, 2014, 186, 74-82. | 3.8 | 33 |
| 36 | Metagenome analyses reveal the influence of the inoculant Lactobacillus buchneri CD034 on the microbial community involved in grass ensiling. Journal of Biotechnology, 2013, 167, 334-343. | 3.8 | 102 |

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| 37 | Investigation of one-enzyme systems in the ï‰-transaminase-catalyzed synthesis of chiral amines. Journal of Molecular Catalysis B: Enzymatic, 2013, 96, 103-110. | 1.8 | 40 |
| 38 | Biochemical and structural characterization of a novel bacterial manganeseâ€dependent hydroxynitrile lyase. FEBS Journal, 2013, 280, 5815-5828. | 4.7 | 38 |
| 39 | Fusion of Binding Domains to Thermobifida cellulosilytica Cutinase to Tune Sorption Characteristics and Enhancing PET Hydrolysis. Biomacromolecules, 2013, 14, 1769-1776. | 5.4 | 137 |
| 40 | Characterization of a multifunctional Î±2,3-sialyltransferase from Pasteurella dagmatis. Glycobiology, 2013, 23, 1293-1304. | 2.5 | 29 |
| 41 | Surface engineering of a cutinase from Thermobifida cellulosilytica for improved polyester hydrolysis. Biotechnology and Bioengineering, 2013, 110, 2581-2590. | 3.3 | 118 |
| 42 | Characterization of a new cutinase fromThermobifida albafor PET-surface hydrolysis. Biocatalysis and Biotransformation, 2012, 30, 2-9. | 2.0 | 125 |
| 43 | A New Esterase from Thermobifida halotolerans Hydrolyses Polyethylene Terephthalate (PET) and Polylactic Acid (PLA). Polymers, 2012, 4, 617-629. | 4.5 | 146 |
| 44 | Characterization of Two Bacterial Hydroxynitrile Lyases with High Similarity to Cupin Superfamily Proteins. Applied and Environmental Microbiology, 2012, 78, 2053-2055. | 3.1 | 18 |
| 45 | Extracellular serine proteases from Stenotrophomonas maltophilia: Screening, isolation and heterologous expression in E. coli. Journal of Biotechnology, 2012, 157, 140-147. | 3.8 | 37 |
| 46 | Insights into the completely annotated genome of Lactobacillus buchneri CD034, a strain isolated from stable grass silage. Journal of Biotechnology, 2012, 161, 153-166. | 3.8 | 85 |
| 47 | Two-step enzymatic functionalisation of polyamide with phenolics. Journal of Molecular Catalysis B: Enzymatic, 2012, 79, 54-60. | 1.8 | 35 |
| 48 | RECENT ADVANCES IN RATIONAL APPROACHES FOR ENZYME ENGINEERING. Computational and Structural Biotechnology Journal, 2012, 2, e201209010. | 4.1 | 123 |
| 49 | Molecular characterization of the C-methyltransferase NovO of Streptomyces spheroides, a valuable enzyme for performing Friedelâ€"Crafts alkylation. Journal of Molecular Catalysis B: Enzymatic, 2012, 84, 2-8. | 1.8 | 14 |
| 50 | Crystallization of a novel metal-containing cupin fromAcidobacteriumsp. and preliminary diffraction data analysis. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 451-454. | 0.7 | 3 |
| 51 | Crystallization of the novelS-adenosyl-L-methionine-dependentC-methyltransferase CouO fromStreptomyces rishiriensisand preliminary diffraction data analysis. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 698-700. | 0.7 | 1 |
| 52 | Enzymatic Surface Hydrolysis of PET: Effect of Structural Diversity on Kinetic Properties of Cutinases from Thermobifida. Macromolecules, 2011, 44, 4632-4640. | 4.8 | 298 |
| 53 | Metagenomic analysis of the 1-aminocyclopropane-1-carboxylate deaminase gene (acdS) operon of an uncultured bacterial endophyte colonizing Solanum tuberosum L. Archives of Microbiology, 2011, 193, 665-676. | 2.2 | 56 |
| 54 | Hydrolysis of polyethyleneterephthalate by pâ€nitrobenzylesterase from Bacillus subtilis. Biotechnology Progress, 2011, 27, 951-960. | 2.6 | 138 |

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| 55 | High-quality genome sequence of Pichia pastoris CBS7435. Journal of Biotechnology, 2011, 154, 312-320. | 3.8 | 146 |
| 56 | Engineering of choline oxidase from Arthrobacter nicotianae for potential use as biological bleach in detergents. Applied Microbiology and Biotechnology, 2010, 87, 1743-1752. | 3.6 | 15 |
| 57 | C-terminal truncation of a metagenome-derived detergent protease for effective expression in E. coli. Journal of Biotechnology, 2010, 150, 408-416. | 3.8 | 24 |
| 58 | Biocatalytic Friedelâ€"Crafts Alkylation Using Nonâ€natural Cofactors. Angewandte Chemie - International Edition, 2009, 48, 9546-9548. | 13.8 | 120 |
| 59 | Heterologous expression and characterization of Choline Oxidase from the soil bacterium Arthrobacter nicotianae. Applied Microbiology and Biotechnology, 2009, 81, 875-886. | 3.6 | 16 |
| 60 | The SGNH-hydrolase of Streptomyces coelicolor has (aryl)esterase and a true lipase activity. Biochimie, 2009, 91, 390-400. | 2.6 | 39 |
| 61 | Improvement of a Stereoselective Biocatalytic Synthesis by Substrate and Enzyme Engineering: 2â€Hydroxyâ€(4â€²â€oxocyclohexyl)acetonitrile as the Model. Chemistry - A European Journal, 2008, 14, 11415-11422. | 3.3 | 24 |
| 62 | A Two-Step Method to Covalently Bind Biomolecules to Group-IV Semiconductors: Si(111)/1,2-Epoxy-9-decene/Esterase. Langmuir, 2008, 24, 13957-13961. | 3.5 | 6 |
| 63 | Alternative pig liver esterase (APLE) â€" Cloning, identification and functional expression in Pichia pastoris of a versatile new biocatalyst. Journal of Biotechnology, 2008, 133, 301-310. | 3.8 | 33 |
| 64 | Random strand transfer recombination (RSTR) for homology-independent nucleic acid recombination. Journal of Biotechnology, 2007, 129, 39-49. | 3.8 | 5 |
| 65 | A novel screening assay for hydroxynitrile lyases suitable for high-throughput screening. Journal of Biotechnology, 2007, 129, 151-161. | 3.8 | 31 |
| 66 | Inverting enantioselectivity of Burkholderia gladioli esterase EstB by directed and designed evolution. Journal of Biotechnology, 2007, 129, 109-122. | 3.8 | 44 |
| 67 | Stability and activity improvement of cephalosporin esterase EstB from Burkholderia gladioli by directed evolution and structural interpretation of muteins. Journal of Biotechnology, 2007, 129, 98-108. | 3.8 | 24 |
| 68 | Micro-colony array based high throughput platform for enzyme library screening. Journal of Biotechnology, 2007, 129, 162-170. | 3.8 | 11 |
| 69 | An efficient plasmid vector for expression cloning of large numbers of PCR fragments in Escherichia coli. Applied Microbiology and Biotechnology, 2007, 77, 241-244. | 3.6 | 15 |
| 70 | Planar optical sensors: A tool for screening enzyme activity in high density cell arrays. Sensors and Actuators B: Chemical, 2006, 114, 984-994. | 7.8 | 6 |
| 71 | Nitrile hydrolysis activity ofRhodococcus erythropolis NCIMB 11540 whole cells. Biotechnology Journal, 2006, 1, 569-573. | 3.5 | 15 |
| 72 | 2-D solid-state assay platform: a tool for screening aldehyde-releasing enzyme activity in colonies. Mikrochimica Acta, 2006, 156, 209-218. | 5.0 | 1 |

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| 73 | A versatile colony assay based on NADH fluorescence. Journal of Molecular Catalysis B: Enzymatic, 2006, 39, 149-155. | 1.8 | 31 |
| 74 | Cell Surface Expression of Bacterial Esterase A by Saccharomyces cerevisiae and Its Enhancement by Constitutive Activation of the Cellular Unfolded Protein Response. Applied and Environmental Microbiology, 2006, 72, 7140-7147. | 3.1 | 32 |
| 75 | Reaction Mechanism of Hydroxynitrile Lyases of the Î±/Î²-Hydrolase Superfamily. Journal of Biological Chemistry, 2004, 279, 20501-20510. | 3.4 | 71 |
| 76 | Observation of a Short, Strong Hydrogen Bond in the Active Site of Hydroxynitrile Lyase from Hevea brasiliensis Explains a Large pK Shift of the Catalytic Base Induced by the Reaction Intermediate. Journal of Biological Chemistry, 2004, 279, 3699-3707. | 3.4 | 36 |
| 77 | Biocatalytic conversion of unnatural substrates by recombinant almond R-HNL isoenzyme 5. Journal of Molecular Catalysis B: Enzymatic, 2004, 29, 211-218. | 1.8 | 30 |
| 78 | Cloning and sequence analysis of the glyceraldehyde-3-phosphate dehydrogenase gene from the zygomycetes fungus Rhizomucor miehei. Antonie Van Leeuwenhoek, 2004, 86, 111-119. | 1.7 | 10 |
| 79 | Enzymatic hydrolysis of cyanohydrins with recombinant nitrile hydratase and amidase from hodococcus erythropolis. Biotechnology Letters, 2004, 26, 1675-1680. | 2.2 | 29 |
| 80 | Reliable high-throughput screening with by limiting yeast cell death phenomena. FEMS Yeast Research, 2004, 5, 179-189. | 2.3 | 143 |
| 81 | Endophytic Pseudomonas spp. populations of pathogen-infected potato plants analysed by 16S rDNA- and 16S rRNA-based denaturating gradient gel electrophoresis. Plant and Soil, 2003, 257, 397-405. | 3.7 | 38 |
| 82 | Esterase EstE from Xanthomonas vesicatoria (Xv_EstE) is an outer membrane protein capable of hydrolyzing long-chain polar esters. Applied Microbiology and Biotechnology, 2003, 61, 479-487. | 3.6 | 23 |
| 83 | Comprehensive Step-by-Step Engineering of an (R)-Hydroxynitrile Lyase for Large-Scale Asymmetric Synthesis. Angewandte Chemie - International Edition, 2003, 42, 4815-4818. | 13.8 | 109 |
| 84 | Identification and Characterization of a GDSL Esterase Gene Located Proximal to the swr Quorum-Sensing System of Serratia liquefaciens MG1. Applied and Environmental Microbiology, 2003, 69, 3901-3910. | 3.1 | 33 |
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| 87 | Response of Endophytic Bacterial Communities in Potato Plants to Infection with Erwinia carotovora subsp. atroseptica. Applied and Environmental Microbiology, 2002, 68, 2261-2268. | 3.1 | 253 |
| 88 | Functional esterase surface display by the autotransporter pathway in Escherichia coli. Journal of Molecular Catalysis B: Enzymatic, 2002, 18, 89-97. | 1.8 | 49 |
| 89 | Cloning, expression and characterization of a new 2-Cl-propionic acid ester hydrolase from B. subtilis. Journal of Molecular Catalysis B: Enzymatic, 2002, 19-20, 237-245. | 1.8 | 6 |
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| 91 | EstB from Burkholderia gladioli: A novel esterase with a Î²â€lactamase fold reveals steric factors to discriminate between esterolytic and Î²â€lactam cleaving activity. Protein Science, 2002, 11, 467-478. | 7.6 | 117 |
| 92 | A novel esterase from Burkholderia gladioli which shows high deacetylation activity on cephalosporins is related to Î²-lactamases and dd-peptidases. Journal of Biotechnology, 2001, 89, 11-25. | 3.8 | 92 |
| 93 | The synthesis of chiral cyanohydrins by oxynitrilases. Trends in Biotechnology, 2000, 18, 252-256. | 9.3 | 109 |
| 94 | Cloning and characterization of EstC from Burkholderia gladioli , a novel-type esterase related to plant enzymes. Applied Microbiology and Biotechnology, 2000, 54, 778-785. | 3.6 | 26 |
| 95 | Plasmid RK2 ParB Protein: Purification and Nuclease Properties. Journal of Bacteriology, 1999, 181, 6010-6018. | 2.2 | 19 |
| 96 | Novel Rhodococcus esterases by genetic engineering. Journal of Molecular Catalysis B: Enzymatic, 1998, 5, 261-266. | 1.8 | 11 |
| 97 | The defense-related rice gene Pir7b encodes an alpha/beta hydrolase fold protein exhibiting esterase activity towards naphthol AS-esters. FEBS Journal, 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 Burkholderia gladioli. Journal of Biotechnology, 1998, 62, 47-54. | 3.8 | 28 |
| 99 | Molecular cloning, sequencing and expression in Escherichia coli of the poly(3-hydroxyalkanoate) synthesis genes from Alcaligenes latus DSM1124. Journal of Biotechnology, 1998, 64, 123-135. | 3.8 | 16 |
| 100 | Fluorescence screening for lipolytic enzymes. Studies in Organic Chemistry, 1998, 53, 53-60. | 0.2 | 2 |
| 101 | A comparative study of thermal inactivation of enzymes in supercritical carbon dioxide. Progress in Biotechnology, 1998, 15, 471-476. | 0.2 | 2 |
| 102 | Role of the parCBA Operon of the Broad-Host-Range Plasmid RK2 in Stable Plasmid Maintenance. Journal of Bacteriology, 1998, 180, 6023-6030. | 2.2 | 46 |
| 103 | The ParB protein encoded by the RP4 par region is a Ca2+-dependent nuclease linearizing circular DNA substrates. Microbiology (United Kingdom), 1997, 143, 3889-3898. | 1.8 | 14 |
| 104 | Enzymatic cleavage and formation of cyanohydrins: a reaction of biological and synthetic relevance. Chemical Communications, 1997, , 1933. | 4.1 | 106 |
| 105 | High-Level Intracellular Expression of Hydroxynitrile Lyase from the Tropical Rubber TreeHevea brasiliensisin Microbial Hosts. Protein Expression and Purification, 1997, 11, 61-71. | 1.3 | 126 |
| 106 | New Pseudomonas esterases by genetic engineering. Journal of Molecular Catalysis B: Enzymatic, 1997, 3, 25-27. | 1.8 | 7 |
| 107 | Screening for hydroxynitrile lyases in plants. Biotechnology Letters, 1997, 11, 55-58. | 0.5 | 14 |
| 108 | Crystallization and preliminary X-ray diffraction studies of thePseudomonas marginataesterase EstB. Acta Crystallographica Section D: Biological Crystallography, 1997, 53, 596-598. | 2.5 | 2 |

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| 109 | Hydroxynitrile lyase from Hevea brasiliensis: Molecular characterization and mechanism of enzyme catalysis. , 1997, 27, 438-449. | | 33 |
| 110 | Hydroxynitrile lyase from Hevea brasiliensis: molecular characterization and mechanism of enzyme catalysis. Proteins: Structure, Function and Bioinformatics, 1997, 27, 438-49. | 2.6 | 3 |
| 111 | Cloning and characterization of the gene for the thermostable xylanase XynA from Thermomyces lanuginosus. Journal of Biotechnology, 1996, 49, 211-218. | 3.8 | 75 |
| 112 | (S)-Hydroxynitrile Lyase from Hevea brasiliensis. Annals of the New York Academy of Sciences, 1996, 799, 707-712. | 3.8 | 14 |
| 113 | Molecular cloning and homology modeling of protocatechuate 3,4-dioxygenase from Pseudomonas marginata. Microbiological Research, 1996, 151, 359-370. | 5.3 | 16 |
| 114 | Mechanism of cyanogenesis: the crystal structure of hydroxynitrile lyase from Hevea brasiliensis. Structure, 1996, 4, 811-822. | 3.3 | 108 |
| 115 | Crystallization and preliminary X-ray diffraction studies of a hydroxynitrile lyase fromHevea brasiliensis. Acta Crystallographica Section D: Biological Crystallography, 1996, 52, 591-593. | 2.5 | 8 |
| 116 | Enzymatic catalysis in supercritical carbon dioxide: Comparison of different lipases and a novel esterase. Biotechnology Letters, 1996, 18, 79-84. | 2.2 | 38 |
| 117 | Molecular Cloning of the Full-length cDNA of (S)-Hydroxynitrile Lyase from Hevea brasiliensis. Journal of Biological Chemistry, 1996, 271, 5884-5891. | 3.4 | 107 |
| 118 | Comparison of ccd of F, parDE of RP4, and parD of R1 using a novel conditional replication control system of plasmid R1. Molecular Microbiology, 1995, 17, 211-220. | 2.5 | 84 |
| 119 | Efficient secretion of bacillus subtilis levanase by saccharomyces cerevisiae. Gene, 1995, 161, 45-49. | 2.2 | 10 |
| 120 | Expression of Bacillus subtilis levanase gene in Lactobacilus plantarum and Lactobacillus casei. Applied Microbiology and Biotechnology, 1995, 43, 297-303. | 3.6 | 18 |
| 121 | Expression of Bacillus subtilis levanase gene in Lactobacillus plantarum and Lactobacillus casei. Applied Microbiology and Biotechnology, 1995, 43, 297-303. | 3.6 | 1 |
| 122 | Purification and characterization of the Bacillus subtilis levanase produced in Escherichia coli. Applied and Environmental Microbiology, 1995, 61, 1953-1958. | 3.1 | 43 |
| 123 | Analysis of the multimer resolution system encoded by the parCBA operon of broadâ€hostâ€range plasmid RP4. Molecular Microbiology, 1994, 12, 131-141. | 2.5 | 91 |
| 124 | Complete Nucleotide Sequence of Birmingham IncPÎ± Plasmids. Journal of Molecular Biology, 1994, 239, 623-663. | 4.2 | 502 |
| 125 | Stability of r-microbes: Stabilization of plasmid vectors by the partitioning function of broad-host-range plasmid RP4. Journal of Biotechnology, 1993, 28, 291-299. | 3.8 | 11 |
| 126 | The Cloned Bacillus Subtilis Levanase Gene as a Potent System for the Exploitation of Inulin in Biotechnological Processes. Studies in Plant Science, 1993, 3, 289-295. | 0.5 | 0 |

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| 128 | Expression of the Bacillus subtilis levanase gene in Escherichia coli and Saccharomyces cerevisiae. Journal of Biotechnology, 1991, 18, 243-254. | 3.8 | 12 |
| 129 | Molecular characterization and functional analysis in Aspergillus nidulans of the 5â€²-region of the Penicillium chrysogenum isopenicillin N synthetase gene. Journal of Biotechnology, 1991, 17, 67-80. | 3.8 | 37 |
| 130 | Partitioning of broad-host-range plasmid RP4 is a complex system involving site-specific recombination. Journal of Bacteriology, 1990, 172, 6194-6203. | 2.2 | 114 |
| 131 | Heterologous transformation ofClaviceps purpurea. Biotechnology Letters, 1989, 11, 389-392. | 2.2 | 10 |
| 132 | Strain improvement in industrial microorganisms by recombinant DNA techniques. , 1988, , 129-168. | | 4 |
| 133 | Molecular characterization of Bacillus subtilis levanase and a C-terminal deleted derivative. Journal of Biotechnology, 1988, 7, 247-257. | 3.8 | 14 |
| 134 | Transformation of Penicillium chrysogenum using dominant selection markers and expression of an Escherichia coli lacZ fusion gene. Gene, 1988, 62, 127-134. | 2.2 | 222 |
| 135 | Nucleotide sequence of a cloned 2.5 kbPstI-EcoRIBacillus subtilisDNA fragment coding for levanase. Nucleic Acids Research, 1987, 15, 9606-9606. | 14.5 | 12 |
| 136 | Cloning and phenotypic expression in Escherichia coli of a Bacillus subtilis gene fragment coding for sucrose hydrolysis. Journal of Biotechnology, 1986, 3, 333-341. | 3.8 | 14 |
| 137 | Mapping and cloning of the par-region of broad-host-range plasmid RP4. Journal of Biotechnology, 1986, 4, 333-343. | 3.8 | 31 |
| 138 | Occurrence of deletion plasmids at high rates after conjugative transfer of the plasmids RP4 and RK2 from Escherichia coli to Alcaligenes eutrophus H16. Archives of Microbiology, 1983, 136, 140-146. | 2.2 | 17 |