# Volker F Wendisch

List of Publications by Year
in descending order

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| 247 | 14,549 | 13099 68 | 26613 107 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 259 | 259 | 259 | 8094 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Metabolic engineering of Corynebacterium glutamicum for de novo production of 3-hydroxycadaverine. Current Research in Biotechnology, 2022, 4, 32-46. | 3.7 | 11 |
| 2 | Recent advances in the metabolic pathways and microbial production of coenzyme Q. World Journal of Microbiology and Biotechnology, 2022, 38, 58. | 3.6 | 15 |
| 3 | Metabolic Engineering for Valorization of Agri- and Aqua-Culture Sidestreams for Production of Nitrogenous Compounds by Corynebacterium glutamicum. Frontiers in Microbiology, 2022, 13, 835131. | 3.5 | 11 |
| 4 | Functional Genomics Uncovers Pleiotropic Role of Rhomboids in Corynebacterium glutamicum. Frontiers in Microbiology, 2022, 13, 771968. | 3.5 | 1 |
| 5 | Production of indole by Corynebacterium glutamicum microbial cell factories for flavor and fragrance applications. Microbial Cell Factories, 2022, 21, 45. | 4.0 | 19 |
| 6 | Metabolic Engineering of Corynebacterium glutamicum for Sustainable Production of the Aromatic Dicarboxylic Acid Dipicolinic Acid. Microorganisms, 2022, 10, 730. | 3.6 | 14 |
| 7 | Fermentative Production of Halogenated Tryptophan Derivatives with Corynebacterium glutamicum Overexpressing Tryptophanase or Decarboxylase Genes. ChemBioChem, 2022, 23, . | 2.6 | 6 |
| 8 | Efficient cell factories for the production of Nâ€methylated amino acids and for methanolâ€based amino acid production. Microbial Biotechnology, 2022, 15, 2145-2159. | 4.2 | 9 |
| 9 | Rational Engineering of Non-Ubiquinone Containing Corynebacterium glutamicum for Enhanced Coenzyme Q10 Production. Metabolites, 2022, 12, 428. | 2.9 | 4 |
| 10 | Fermentative Indole Production via Bacterial Tryptophan Synthase Alpha Subunit and Plant Indole-3-Glycerol Phosphate Lyase Enzymes. Journal of Agricultural and Food Chemistry, 2022, 70, 5634-5645. | 5.2 | 14 |
| 11 | l-Serine Biosensor-Controlled Fermentative Production of l-Tryptophan Derivatives by Corynebacterium glutamicum. Biology, 2022, 11, 744. | 2.8 | 9 |
| 12 | Engineered Corynebacterium glutamicum as the Platform for the Production of Aromatic Aldehydes. Frontiers in Bioengineering and Biotechnology, 2022, 10, . | 4.1 | 14 |
| 13 | Dynamic Co-Cultivation Process of Corynebacterium glutamicum Strains for the Fermentative Production of Riboflavin. Fermentation, 2021, 7, 11. | 3.0 | 14 |
| 14 | A bottom-up approach towards a bacterial consortium for the biotechnological conversion of chitin to l-lysine. Applied Microbiology and Biotechnology, 2021, 105, 1547-1561. | 3.6 | 12 |
| 15 | CRISPRi-Library-Guided Target Identification for Engineering Carotenoid Production by Corynebacterium glutamicum. Microorganisms, 2021, 9, 670. | 3.6 | 16 |
| 16 | Production of Biopolyamide Precursors 5-Amino Valeric Acid and Putrescine From Rice Straw Hydrolysate by Engineered Corynebacterium glutamicum. Frontiers in Bioengineering and Biotechnology, 2021, 9, 635509. | 4.1 | 15 |
| 17 | Coenzyme Q10 Biosynthesis Established in the Non-Ubiquinone Containing Corynebacterium glutamicum by Metabolic Engineering. Frontiers in Bioengineering and Biotechnology, 2021, 9, 650961. | 4.1 | 12 |
| 18 | Incorporation of alternative amino acids into cyanophycin by different cyanophycin synthetases heterologously expressed in Corynebacterium glutamicum. AMB Express, 2021, 11, 55. | 3.0 | 8 |

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|---|---|---|---|
| 19 | Genomic and Transcriptomic Investigation of the Physiological Response of the Methylotroph Bacillus methanolicus to 5-Aminovalerate. Frontiers in Microbiology, 2021, 12, 664598. | 3.5 | 3 |
| 20 | Sustainable Production of N-methylphenylalanine by Reductive Methylamination of Phenylpyruvate Using Engineered Corynebacterium glutamicum. Microorganisms, 2021, 9, 824. | 3.6 | 12 |
| 21 | L-Carnitine Production Through Biosensor-Guided Construction of the Neurospora crassa Biosynthesis Pathway in Escherichia coli. Frontiers in Bioengineering and Biotechnology, 2021, 9, 671321. | 4.1 | 3 |
| 22 | Interrogating the Role of the Two Distinct Fructose-Bisphosphate Aldolases of Bacillus methanolicus by Site-Directed Mutagenesis of Key Amino Acids and Gene Repression by CRISPR Interference. Frontiers in Microbiology, 2021, 12, 669220. | 3.5 | 8 |
| 23 | Evolving a New Efficient Mode of Fructose Utilization for Improved Bioproduction in Corynebacterium glutamicum. Frontiers in Bioengineering and Biotechnology, 2021, 9, 669093. | 4.1 | 7 |
| 24 | Adaptive laboratory evolution accelerated glutarate production by Corynebacterium glutamicum. Microbial Cell Factories, 2021, 20, 97. | 4.0 | 19 |
| 25 | Advances in metabolic engineering of Corynebacterium glutamicum to produce high-value active ingredients for food, feed, human health, and well-being. Essays in Biochemistry, 2021, 65, 197-212. | 4.7 | 71 |
| 26 | Metabolic Engineering of Pseudomonas putida for Fermentative Production of <scp>l</scp>-Theanine. Journal of Agricultural and Food Chemistry, 2021, 69, 9849-9858. | 5.2 | 9 |
| 27 | Utilization of a Wheat Sidestream for 5-Aminovalerate Production in Corynebacterium glutamicum. Frontiers in Bioengineering and Biotechnology, 2021, 9, 732271. | 4.1 | 12 |
| 28 | Growth Response and Recovery of Corynebacterium glutamicum Colonies on Single-Cell Level Upon Defined pH Stress Pulses. Frontiers in Microbiology, 2021, 12, 711893. | 3.5 | 12 |
| 29 | Improved Plasmid-Based Inducible and Constitutive Gene Expression in Corynebacterium glutamicum. Microorganisms, 2021, 9, 204. | 3.6 | 15 |
| 30 | Tyrosinase-based production of l-DOPA by Corynebacterium glutamicum. Applied Microbiology and Biotechnology, 2021, 105, 9103-9111. | 3.6 | 8 |
| 31 | Aerobic Utilization of Methanol for Microbial Growth and Production. Advances in Biochemical Engineering/Biotechnology, 2021, , . | 1.1 | 3 |
| 32 | Metabolic engineering advances and prospects for amino acid production. Metabolic Engineering, 2020, 58, 17-34. | 7.0 | 177 |
| 33 | Synthetic microbial consortia for small molecule production. Current Opinion in Biotechnology, 2020, 62, 72-79. | 6.6 | 56 |
| 34 | Methanol-based acetoin production by genetically engineeredBacillus methanolicus. Green Chemistry, 2020, 22, 788-802. | 9.0 | 28 |
| 35 | Corynebacterium glutamicum CrtR and Its Orthologs in Actinobacteria: Conserved Function and Application as Genetically Encoded Biosensor for Detection of Geranylgeranyl Pyrophosphate. International Journal of Molecular Sciences, 2020, 21, 5482. | 4.1 | 13 |
| 36 | Development of a Biosensor for Crotonobetaine-CoA Ligase Screening Based on the Elucidation of Escherichia coli Carnitine Metabolism. ACS Synthetic Biology, 2020, 9, 2460-2471. | 3.8 | 7 |

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| 37 | Screening of a genomeâ€reduced Corynebacterium glutamicum strain library for improved heterologous cutinase secretion. Microbial Biotechnology, 2020, 13, 2020-2031. | 4.2 | 17 |
| 38 | Heterologous expression of genes for bioconversion of xylose to xylonic acid in Corynebacterium glutamicum and optimization of the bioprocess. AMB Express, 2020, 10, 68. | 3.0 | 16 |
| 39 | Physiological Response of Corynebacterium glutamicum to Indole. Microorganisms, 2020, 8, 1945. | 3.6 | 17 |
| 40 | Inorganic Phosphate Solubilization by Rhizosphere Bacterium Paenibacillus sonchi: Gene Expression and Physiological Functions. Frontiers in Microbiology, 2020, 11, 588605. | 3.5 | 29 |
| 41 | Fermentative N-Methylanthranilate Production by Engineered Corynebacterium glutamicum. Microorganisms, 2020, 8, 866. | 3.6 | 26 |
| 42 | Development of a Corynebacterium glutamicum bio-factory for self-sufficient transaminase reactions. Green Chemistry, 2020, 22, 4128-4132. | 9.0 | 10 |
| 43 | Transaldolase in Bacillus methanolicus: biochemical characterization and biological role in ribulose monophosphate cycle. BMC Microbiology, 2020, 20, 63. | 3.3 | 6 |
| 44 | Microbial Engineering for Production of Nâ€Functionalized Amino Acids and Amines. Biotechnology Journal, 2020, 15, e1900451. | 3.5 | 32 |
| 45 | Impact of CRISPR interference on strain development in biotechnology. Biotechnology and Applied Biochemistry, 2020, 67, 7-21. | 3.1 | 31 |
| 46 | CRISPR interference-based gene repression in the plant growth promoter Paenibacillus sonchi genomovar Riograndensis SBR5. Applied Microbiology and Biotechnology, 2020, 104, 5095-5106. | 3.6 | 9 |
| 47 | Fermentative Production of l-2-Hydroxyglutarate by Engineered Corynebacterium glutamicum via Pathway Extension of l-Lysine Biosynthesis. Frontiers in Bioengineering and Biotechnology, 2020, 8, 630476. | 4.1 | 14 |
| 48 | Genome-Reduced Corynebacterium glutamicum Fit for Biotechnological Applications. , 2020, , 95-116. | | 2 |
| 49 | Charting the Metabolic Landscape of the Facultative Methylotroph Bacillus methanolicus. MSystems, 2020, 5, . | 3.8 | 13 |
| 50 | Flux Enforcement for Fermentative Production of 5-Aminovalerate and Glutarate by Corynebacterium glutamicum. Catalysts, 2020, 10, 1065. | 3.5 | 18 |
| 51 | Methanol-Essential Growth of Corynebacterium glutamicum: Adaptive Laboratory Evolution Overcomes Limitation due to Methanethiol Assimilation Pathway. International Journal of Molecular Sciences, 2020, 21, 3617. | 4.1 | 38 |
| 52 | Metabolic Engineering in Corynebacterium glutamicum. Microbiology Monographs, 2020, , 287-322. | 0.6 | 4 |
| 53 | Characterization of D-Arabitol as Newly Discovered Carbon Source of Bacillus methanolicus. Frontiers in Microbiology, 2019, 10, 1725. | 3.5 | 15 |
| 54 | Bromination of L-tryptophan in a Fermentative Process With Corynebacterium glutamicum. Frontiers in Bioengineering and Biotechnology, 2019, 7, 219. | 4.1 | 25 |

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| 55 | Fermentative Production of N-Alkylated Glycine Derivatives by Recombinant Corynebacterium glutamicum Using a Mutant of Imine Reductase DpkA From Pseudomonas putida. Frontiers in Bioengineering and Biotechnology, 2019, 7, 232. | 4.1 | 22 |
| 56 | Establishment and application of CRISPR interference to affect sporulation, hydrogen peroxide detoxification, and mannitol catabolism in the methylotrophic thermophile Bacillus methanolicus. Applied Microbiology and Biotechnology, 2019, 103, 5879-5889. | 3.6 | 28 |
| 57 | Function of L-Pipecolic Acid as Compatible Solute in Corynebacterium glutamicum as Basis for Its Production Under Hyperosmolar Conditions. Frontiers in Microbiology, 2019, 10, 340. | 3.5 | 27 |
| 58 | Xylose as preferred substrate for sarcosine production by recombinant Corynebacterium glutamicum. Bioresource Technology, 2019, 281, 135-142. | 9.6 | 39 |
| 59 | Improved Astaxanthin Production with Corynebacterium glutamicum by Application of a Membrane Fusion Protein. Marine Drugs, 2019, 17, 621. | 4.6 | 33 |
| 60 | Metabolic engineering of Corynebacterium glutamicum for the fermentative production of halogenated tryptophan. Journal of Biotechnology, 2019, 291, 7-16. | 3.8 | 37 |
| 61 | Biotechnological production of mono- and diamines using bacteria: recent progress, applications, and perspectives. Applied Microbiology and Biotechnology, 2018, 102, 3583-3594. | 3.6 | 53 |
| 62 | Synthetic Escherichia coli-Corynebacterium glutamicum consortia for l-lysine production from starch and sucrose. Bioresource Technology, 2018, 260, 302-310. | 9.6 | 69 |
| 63 | Coproduction of cell-bound and secreted value-added compounds: Simultaneous production of carotenoids and amino acids by Corynebacterium glutamicum. Bioresource Technology, 2018, 247, 744-752. | 9.6 | 48 |
| 64 | Invasion ecology applied to inoculation of plant growth promoting bacteria through a novel SIMPER-PCA approach. Plant and Soil, 2018, 422, 467-478. | 3.7 | 7 |
| 65 | Corynebacterium glutamicum Chassis C1*: Building and Testing a Novel Platform Host for Synthetic Biology and Industrial Biotechnology. ACS Synthetic Biology, 2018, 7, 132-144. | 3.8 | 63 |
| 66 | Production of Food and Feed Additives From Non-food-competing Feedstocks: Valorizing N-acetylmuramic Acid for Amino Acid and Carotenoid Fermentation With Corynebacterium glutamicum. Frontiers in Microbiology, 2018, 9, 2046. | 3.5 | 22 |
| 67 | Efficient Production of the Dicarboxylic Acid Glutarate by Corynebacterium glutamicum via a Novel Synthetic Pathway. Frontiers in Microbiology, 2018, 9, 2589. | 3.5 | 39 |
| 68 | Fermentative Production of N-Methylglutamate From Glycerol by Recombinant Pseudomonas putida. Frontiers in Bioengineering and Biotechnology, 2018, 6, 159. | 4.1 | 29 |
| 69 | One-step process for production of N-methylated amino acids from sugars and methylamine using recombinant Corynebacterium glutamicum as biocatalyst. Scientific Reports, 2018, 8, 12895. | 3.3 | 32 |
| 70 | Chemicals from lignin: Recent depolymerization techniques and upgrading extended pathways. Current Opinion in Green and Sustainable Chemistry, 2018, 14, 33-39. | 5.9 | 55 |
| 71 | Synthetic Methylotrophy: Past, Present, and Future. , 2018, , 133-151. | | 10 |
| 72 | Transport and metabolic engineering of the cell factory Corynebacterium glutamicum. FEMS Microbiology Letters, 2018, 365, . | 1.8 | 50 |

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| 73 | Patchoulol Production with Metabolically Engineered Corynebacterium glutamicum. Genes, 2018, 9, 219. | 2.4 | 57 |
| 74 | Carotenoid Production by Recombinant Corynebacterium glutamicum: Strain Construction, Cultivation, Extraction, and Quantification of Carotenoids and Terpenes. Methods in Molecular Biology, 2018, 1852, 127-141. | 0.9 | 7 |
| 75 | Overexpression of the primary sigma factor gene sigA improved carotenoid production by Corynebacterium glutamicum : Application to production of Î²-carotene and the non-native linear C50 carotenoid bisanhydrobacterioruberin. Metabolic Engineering Communications, 2017, 4, 1-11. | 3.6 | 36 |
| 76 | Fermentative production of Lâ€pipecolic acid from glucose and alternative carbon sources. Biotechnology Journal, 2017, 12, 1600646. | 3.5 | 58 |
| 77 | l -lysine production by Bacillus methanolicus : Genome-based mutational analysis and l -lysine secretion engineering. Journal of Biotechnology, 2017, 244, 25-33. | 3.8 | 21 |
| 78 | Production of amino acids â€“ Genetic and metabolic engineering approaches. Bioresource Technology, 2017, 245, 1575-1587. | 9.6 | 93 |
| 79 | Methanol as carbon substrate in the bioâ€economy: Metabolic engineering of aerobic methylotrophic bacteria for production of valueâ€added chemicals. Biofuels, Bioproducts and Biorefining, 2017, 11, 719-731. | 3.7 | 67 |
| 80 | Improved fermentative production of the compatible solute ectoine by Corynebacterium glutamicum from glucose and alternative carbon sources. Journal of Biotechnology, 2017, 258, 59-68. | 3.8 | 52 |
| 81 | A new metabolic route for the fermentative production of 5-aminovalerate from glucose and alternative carbon sources. Bioresource Technology, 2017, 245, 1701-1709. | 9.6 | 64 |
| 82 | Magnesium aminoclay-based transformation of Paenibacillus riograndensis and Paenibacillus polymyxa and development of tools for gene expression. Applied Microbiology and Biotechnology, 2017, 101, 735-747. | 3.6 | 18 |
| 83 | Methanol-based Î³-aminobutyric acid (GABA) production by genetically engineered Bacillus methanolicus strains. Industrial Crops and Products, 2017, 106, 12-20. | 5.2 | 43 |
| 84 | Biotechnological production of aromatic compounds of the extended shikimate pathway from renewable biomass. Journal of Biotechnology, 2017, 257, 211-221. | 3.8 | 98 |
| 85 | Improved fermentative production of gammaâ€aminobutyric acid via the putrescine route: Systems metabolic engineering for production from glucose, amino sugars, and xylose. Biotechnology and Bioengineering, 2017, 114, 862-873. | 3.3 | 67 |
| 86 | Isoprenoid Pyrophosphate-Dependent Transcriptional Regulation of Carotenogenesis in Corynebacterium glutamicum. Frontiers in Microbiology, 2017, 8, 633. | 3.5 | 44 |
| 87 | Reclassification of Paenibacillus riograndensis as a Genomovar of Paenibacillus sonchi: Genome-Based Metrics Improve Bacterial Taxonomic Classification. Frontiers in Microbiology, 2017, 8, 1849. | 3.5 | 27 |
| 88 | Detailed transcriptome analysis of the plant growth promoting Paenibacillus riograndensis SBR5 by using RNA-seq technology. BMC Genomics, 2017, 18, 846. | 2.8 | 17 |
| 89 | Physiological roles of sigma factor SigD in Corynebacterium glutamicum. BMC Microbiology, 2017, 17, 158. | 3.3 | 26 |
| 90 | In vivo plug-and-play: a modular multi-enzyme single-cell catalyst for the asymmetric amination of ketoacids and ketones. Microbial Cell Factories, 2017, 16, 132. | 4.0 | 11 |

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| 91 | Effects of Kasugamycin on the Translatome of Escherichia coli. PLoS ONE, 2017, 12, e0168143. | 2.5 | 15 |
| 92 | Genome-Based Genetic Tool Development for Bacillus methanolicus: Theta- and Rolling Circle-Replicating Plasmids for Inducible Gene Expression and Application to Methanol-Based Cadaverine Production. Frontiers in Microbiology, 2016, 7, 1481. | 3.5 | 43 |
| 93 | Production of the Marine Carotenoid Astaxanthin by Metabolically Engineered Corynebacterium glutamicum. Marine Drugs, 2016, 14, 124. | 4.6 | 90 |
| 94 | Corynebacterium glutamicum possesses Î²-N-acetylglucosaminidase. BMC Microbiology, 2016, 16, 177. | 3.3 | 16 |
| 95 | Chassis organism from Corynebacterium glutamicum â€“ Genome reduction as a tool toward improved strains for synthetic biology and industrial biotechnology. New Biotechnology, 2016, 33, S25. | 4.4 | 1 |
| 96 | Updates on industrial production of amino acids using Corynebacterium glutamicum. World Journal of Microbiology and Biotechnology, 2016, 32, 105. | 3.6 | 126 |
| 97 | Ciprofloxacin triggered glutamate production by Corynebacterium glutamicum. BMC Microbiology, 2016, 16, 235. | 3.3 | 23 |
| 98 | The flexible feedstock concept in Industrial Biotechnology: Metabolic engineering of Escherichia coli, Corynebacterium glutamicum, Pseudomonas, Bacillus and yeast strains for access to alternative carbon sources. Journal of Biotechnology, 2016, 234, 139-157. | 3.8 | 109 |
| 99 | Light-Controlled Cell Factories: Employing Photocaged Isopropyl-Î²- <scp>d</scp> -Thiogalactopyranoside for Light-Mediated Optimization of lac Promoter-Based Gene Expression and (+)-Valencene Biosynthesis in Corynebacterium glutamicum. Applied and Environmental Microbiology, 2016, 82, 6141-6149. | 3.1 | 40 |
| 100 | Microbial Production of Amino Acid-Related Compounds. Advances in Biochemical Engineering/Biotechnology, 2016, 159, 255-269. | 1.1 | 13 |
| 101 | Transcription of Sialic Acid Catabolism Genes in Corynebacterium glutamicum Is Subject to Catabolite Repression and Control by the Transcriptional Repressor NanR. Journal of Bacteriology, 2016, 198, 2204-2218. | 2.2 | 12 |
| 102 | A new metabolic route for the production of gamma-aminobutyric acid by Corynebacterium glutamicum from glucose. Amino Acids, 2016, 48, 2519-2531. | 2.7 | 65 |
| 103 | Engineering of Corynebacterium glutamicum for xylitol production from lignocellulosic pentose sugars. Journal of Biotechnology, 2016, 230, 63-71. | 3.8 | 45 |
| 104 | Engineering Corynebacterium glutamicum for fast production of l-lysine and l-pipecolic acid. Applied Microbiology and Biotechnology, 2016, 100, 8075-8090. | 3.6 | 84 |
| 105 | Roles of export genes cgmA and lysE for the production of l-arginine and l-citrulline by Corynebacterium glutamicum. Applied Microbiology and Biotechnology, 2016, 100, 8465-8474. | 3.6 | 56 |
| 106 | Co-expression of endoglucanase and Î²-glucosidase in Corynebacterium glutamicum DM1729 towards direct lysine fermentation from cellulose. Bioresource Technology, 2016, 213, 239-244. | 9.6 | 30 |
| 107 | Corynebacterium glutamicum Metabolic Engineering with CRISPR Interference (CRISPRi). ACS Synthetic Biology, 2016, 5, 375-385. | 3.8 | 222 |
| 108 | Soil suppressiveness and its relations with the microbial community in a Brazilian subtropical agroecosystem under different management systems. Soil Biology and Biochemistry, 2016, 96, 191-197. | 8.8 | 42 |

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| 109 | Biotechnological Production of Amino Acids and Nucleotides. , 2016, , 60-163. | | 2 |
| 110 | Identification of two mutations increasing the methanol tolerance of Corynebacterium glutamicum. BMC Microbiology, 2015, 15, 216. | 3.3 | 43 |
| 111 | Engineering microbial cell factories: Metabolic engineering of Corynebacterium glutamicum with a focus on nonâ€natural products. Biotechnology Journal, 2015, 10, 1170-1184. | 3.5 | 102 |
| 112 | Exploring the role of sigma factor gene expression on production by Corynebacterium glutamicum: sigma factor H and FMN as example. Frontiers in Microbiology, 2015, 6, 740. | 3.5 | 30 |
| 113 | Fermentative Production of the Diamine Putrescine: System Metabolic Engineering of Corynebacterium Glutamicum. Metabolites, 2015, 5, 211-231. | 2.9 | 70 |
| 114 | Complete genome sequence of Paenibacillus riograndensis SBR5T, a Gram-positive diazotrophic rhizobacterium. Journal of Biotechnology, 2015, 207, 30-31. | 3.8 | 13 |
| 115 | Methylotrophy in the thermophilic Bacillus methanolicus, basic insights and application for commodity production from methanol. Applied Microbiology and Biotechnology, 2015, 99, 535-551. | 3.6 | 63 |
| 116 | Engineering Escherichia coli for methanol conversion. Metabolic Engineering, 2015, 28, 190-201. | 7.0 | 166 |
| 117 | Metabolic Engineering of an ATP-Neutral Embden-Meyerhof-Parnas Pathway in Corynebacterium glutamicum: Growth Restoration by an Adaptive Point Mutation in NADH Dehydrogenase. Applied and Environmental Microbiology, 2015, 81, 1996-2005. | 3.1 | 28 |
| 118 | Transcriptome analysis of thermophilic methylotrophic Bacillus methanolicus MGA3 using RNA-sequencing provides detailed insights into its previously uncharted transcriptional landscape. BMC Genomics, 2015, 16, 73. | 2.8 | 49 |
| 119 | Chassis organism from Corynebacterium glutamicum â€“ a topâ€down approach to identify and delete irrelevant gene clusters. Biotechnology Journal, 2015, 10, 290-301. | 3.5 | 102 |
| 120 | Molecular Biotechnology: From enzymes and metabolically engineered microbes to superior and sustainable products and processes. Journal of Biotechnology, 2015, 201, 1. | 3.8 | 3 |
| 121 | Role of L-alanine for redox self-sufficient amination of alcohols. Microbial Cell Factories, 2015, 14, 9. | 4.0 | 21 |
| 122 | Modular pathway engineering of Corynebacterium glutamicum for production of the glutamate-derived compounds ornithine, proline, putrescine, citrulline, and arginine. Journal of Biotechnology, 2015, 214, 85-94. | 3.8 | 60 |
| 123 | Methanolâ€based cadaverine production by genetically engineered <scp>B</scp>acillus methanolicus strains. Microbial Biotechnology, 2015, 8, 342-350. | 4.2 | 76 |
| 124 | Regulation of the pstSCAB operon in Corynebacterium glutamicum by the regulator of acetate metabolism RamB. BMC Microbiology, 2015, 15, 113. | 3.3 | 10 |
| 125 | Metabolic pathway engineering for production of 1,2-propanediol and 1-propanol by Corynebacterium glutamicum. Biotechnology for Biofuels, 2015, 8, 91. | 6.2 | 71 |
| 126 | Production of carbon-13-labeled cadaverine by engineered Corynebacterium glutamicum using carbon-13-labeled methanol as co-substrate. Applied Microbiology and Biotechnology, 2015, 99, 10163-10176. | 3.6 | 96 |

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| 127 | Elimination of polyamine N-acetylation and regulatory engineering improved putrescine production by Corynebacterium glutamicum. Journal of Biotechnology, 2015, 201, 75-85. | 3.8 | 59 |
| 128 | Transcription of malP is subject to phosphotransferase system-dependent regulation in Corynebacterium glutamicum. Microbiology (United Kingdom), 2015, 161, 1830-1843. | 1.8 | 6 |
| 129 | Metabolic Engineering of Corynebacterium glutamicum for Alternative Carbon Source Utilization. , 2015, , 57-70. | | 2 |
| 130 | Thick Juice-Based Production of Amino Acihttp://www.omicsonline.org/open-access/thick-juice-based-production-of-amino-acids-2155-952X-4-167.php?aid=34446dsand Putrescine by Corynebacterium glutamicum. Journal of Biotechnology & Biomaterials, 2014, 04, . | | 2 |
| 131 | IdsA is the major geranylgeranyl pyrophosphate synthase involved in carotenogenesis in <scp>C</scp>orynebacterium glutamicum. FEBS Journal, 2014, 281, 4906-4920. | 4.7 | 31 |
| 132 | Whole cell biotransformation for reductive amination reactions. Bioengineered, 2014, 5, 56-62. | 3.2 | 14 |
| 133 | L-citrulline production by metabolically engineered Corynebacterium glutamicum from glucose and alternative carbon sources. AMB Express, 2014, 4, 85. | 3.0 | 39 |
| 134 | Amino Acid Production from Rice Straw Hydrolyzates. , 2014, , 493-505. | | 7 |
| 135 | Advances in Industrial Biotechnology: Synthetic Pathways and Reaction Cascades. Journal of Biotechnology, 2014, 192, 291-292. | 3.8 | 1 |
| 136 | Engineering of Corynebacterium glutamicum for growth and production of L-ornithine, L-lysine, and lycopene from hexuronic acids. Bioresources and Bioprocessing, 2014, 1, . | 4.2 | 21 |
| 137 | Characterization of 3-phosphoglycerate kinase from Corynebacterium glutamicum and its impact on amino acid production. BMC Microbiology, 2014, 14, 54. | 3.3 | 17 |
| 138 | Engineering biotin prototrophic Corynebacterium glutamicum strains for amino acid, diamine and carotenoid production. Journal of Biotechnology, 2014, 192, 346-354. | 3.8 | 30 |
| 139 | Production and glucosylation of C50 and C40 carotenoids by metabolically engineered Corynebacterium glutamicum. Applied Microbiology and Biotechnology, 2014, 98, 1223-1235. | 3.6 | 89 |
| 140 | Engineering of Corynebacterium glutamicum for growth and l-lysine and lycopene production from N-acetyl-glucosamine. Applied Microbiology and Biotechnology, 2014, 98, 5633-5643. | 3.6 | 60 |
| 141 | Metabolic engineering for the microbial production of carotenoids and related products with a focus on the rare C50 carotenoids. Applied Microbiology and Biotechnology, 2014, 98, 4355-4368. | 3.6 | 80 |
| 142 | Characterization of two transketolases encoded on the chromosome and the plasmid pBM19 of the facultative ribulose monophosphate cycle methylotroph Bacillus methanolicus. BMC Microbiology, 2014, 14, 7. | 3.3 | 18 |
| 143 | Metabolic engineering of Corynebacterium glutamicum for glycolate production. Journal of Biotechnology, 2014, 192, 366-375. | 3.8 | 73 |
| 144 | The Genomics Revolution and its Impact on Future Biotechnology. Journal of Biotechnology, 2014, 190, 1. | 3.8 | 1 |

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| 145 | Engineering of Corynebacterium glutamicum for minimized carbon loss during utilization of d-xylose containing substrates. Journal of Biotechnology, 2014, 192, 156-160. | 3.8 | 78 |
| 146 | Complete genome sequence of Bacillus methanolicus MGA3, a thermotolerant amino acid producing methylotroph. Journal of Biotechnology, 2014, 188, 110-111. | 3.8 | 31 |
| 147 | Identification of engineering targets for improving putrescine production by Corynebacterium glutamicum. New Biotechnology, 2014, 31, S166. | 4.4 | 1 |
| 148 | Metabolic Engineering an ATP-neutral EMP pathway in C. glutamicum: adaptive point mutation in NADH dehydrogenase restores growth. New Biotechnology, 2014, 31, S165. | 4.4 | 0 |
| 149 | Microbial production of amino acids and derived chemicals: Synthetic biology approaches to strain development. Current Opinion in Biotechnology, 2014, 30, 51-58. | 6.6 | 129 |
| 150 | Redox self-sufficient whole cell biotransformation for amination of alcohols. Bioorganic and Medicinal Chemistry, 2014, 22, 5578-5585. | 3.0 | 51 |
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