

Kei Anne G Baritugo

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

776
citations

567281

15
h-index

713466

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22
all docs

22
docs citations

22
times ranked

752
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Metabolic engineering for the synthesis of polyesters: A 100-year journey from polyhydroxyalkanoates to non-natural microbial polyesters. <i>Metabolic Engineering</i> , 2020, 58, 47-81. | 7.0 | 138 |
| 2 | Recent Advances in Sustainable Plastic Upcycling and Biopolymers. <i>Biotechnology Journal</i> , 2020, 15, e1900489. | 3.5 | 92 |
| 3 | Metabolic Engineering of <i>Corynebacterium glutamicum</i> for the High-Level Production of Cadaverine That Can Be Used for the Synthesis of Biopolyamide 510. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5296-5305. | 6.7 | 83 |
| 4 | Metabolic engineering of <i>Corynebacterium glutamicum</i> for fermentative production of chemicals in biorefinery. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 3915-3937. | 3.6 | 60 |
| 5 | Metabolic engineering of <i>Corynebacterium glutamicum</i> for the production of glutaric acid, a C5 dicarboxylic acid platform chemical. <i>Metabolic Engineering</i> , 2019, 51, 99-109. | 7.0 | 50 |
| 6 | Chemoautotroph <i>Cupriavidus necator</i> as a potential game-changer for global warming and plastic waste problem: A review. <i>Bioresource Technology</i> , 2021, 340, 125693. | 9.6 | 50 |
| 7 | Enhanced production of gamma-aminobutyrate (GABA) in recombinant <i>Corynebacterium glutamicum</i> strains from empty fruit bunch biosugar solution. <i>Microbial Cell Factories</i> , 2018, 17, 129. | 4.0 | 42 |
| 8 | Recent Advances in the Metabolic Engineering of <i>Klebsiella pneumoniae</i> : A Potential Platform Microorganism for Biorefineries. <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 48-64. | 2.6 | 34 |
| 9 | Biosynthesis of polyhydroxyalkanoates from sucrose by metabolically engineered <i>Escherichia coli</i> strains. <i>International Journal of Biological Macromolecules</i> , 2020, 149, 593-599. | 7.5 | 30 |
| 10 | Screening of microorganisms able to degrade low-rank coal in aerobic conditions: Potential coal biosolubilization mediators from coal to biochemicals. <i>Biotechnology and Bioprocess Engineering</i> , 2017, 22, 178-185. | 2.6 | 26 |
| 11 | Advances in the biological treatment of coal for synthetic natural gas and chemicals. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 2788-2801. | 2.7 | 23 |
| 12 | Development of Metabolically Engineered <i>Corynebacterium glutamicum</i> for Enhanced Production of Cadaverine and Its Use for the Synthesis of Bio-Polyamide 510. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 129-138. | 6.7 | 23 |
| 13 | High-Level Conversion of l-lysine into Cadaverine by <i>Escherichia coli</i> Whole Cell Biocatalyst Expressing <i>Hafnia alvei</i> l-lysine Decarboxylase. <i>Polymers</i> , 2019, 11, 1184. | 4.5 | 21 |
| 14 | Recent Advances in Systems Metabolic Engineering Strategies for the Production of Biopolymers. <i>Biotechnology and Bioprocess Engineering</i> , 2020, 25, 848-861. | 2.6 | 21 |
| 15 | Fermentative High-Level Production of 5-Hydroxyvaleric Acid by Metabolically Engineered <i>Corynebacterium glutamicum</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2523-2533. | 6.7 | 21 |
| 16 | Biosynthesis of polyhydroxyalkanoates from sugarcane molasses by recombinant <i>Ralstonia eutropha</i> strains. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 1452-1459. | 2.7 | 15 |
| 17 | Consolidated microbial production of four-, five-, and six-carbon organic acids from crop residues: Current status and perspectives. <i>Bioresource Technology</i> , 2022, 351, 127001. | 9.6 | 11 |
| 18 | Construction of a <i>Vitreoscilla</i> Hemoglobin Promoter-Based Tunable Expression System for <i>Corynebacterium glutamicum</i> . <i>Catalysts</i> , 2018, 8, 561. | 3.5 | 10 |

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|----|--|-----|-----------|
| 19 | Microbial cell factories for the production of three-carbon backbone organic acids from agro-industrial wastes. <i>Bioresource Technology</i> , 2022, 349, 126797. | 9.6 | 10 |
| 20 | Bio-solubilization of the untreated low rank coal by alkali-producing bacteria isolated from soil. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 105-109. | 2.7 | 9 |
| 21 | Recent progress in metabolic engineering of <i>Corynebacterium glutamicum</i> for the production of C4, C5, and C6 chemicals. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 1291-1307. | 2.7 | 6 |