

Valentine C Eze

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

599
citations

623188

14
h-index

610482

24
g-index

24
all docs

24
docs citations

24
times ranked

770
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Techno-economic analysis of processes for biodiesel production with integrated co-production of higher added value products from glycerol. <i>Biofuels</i> , 2022, 13, 489-496. | 1.4 | 10 |
| 2 | A techno-economic analysis based upon a parametric study of alkali-catalysed biodiesel production from feedstocks with high free fatty acid and water contents. <i>Biofuels</i> , 2022, 13, 401-413. | 1.4 | 5 |
| 3 | Continuous process for the epoxidation of terpenes using mesoscale oscillatory baffled reactors. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022, 177, 108998. | 1.8 | 4 |
| 4 | Synthesis of cyclic \pm -pinane carbonate – a potential monomer for bio-based polymers. <i>RSC Advances</i> , 2022, 12, 17454-17465. | 1.7 | 8 |
| 5 | A Stereoselective Route to R-(+)-Limonene-Based Non-isocyanate Poly(hydroxyurethanes). <i>Journal of Polymers and the Environment</i> , 2022, 30, 4452-4462. | 2.4 | 3 |
| 6 | Kinetic study for styrene carbonate synthesis via CO ₂ cycloaddition to styrene oxide using silica-supported pyrrolidinopyridinium iodide catalyst. <i>Journal of CO₂ Utilization</i> , 2021, 43, 101379. | 3.3 | 16 |
| 7 | Synthesis of trans-limonene bis-epoxide by stereoselective epoxidation of (R)-(+)-limonene. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104680. | 3.3 | 13 |
| 8 | Development of rapid and selective epoxidation of \pm -pinene using single-step addition of H ₂ O ₂ in an organic solvent-free process. <i>RSC Advances</i> , 2021, 11, 33027-33035. | 1.7 | 10 |
| 9 | Production of biodiesel from waste shark liver oil for biofuel applications. <i>Renewable Energy</i> , 2020, 145, 99-105. | 4.3 | 48 |
| 10 | A kinetic study of Zn halide/TBAB-catalysed fixation of CO ₂ with styrene oxide in propylene carbonate. <i>Green Processing and Synthesis</i> , 2019, 8, 719-729. | 1.3 | 23 |
| 11 | Rapid Screening of an Acid-Catalyzed Triglyceride Transesterification in a Mesoscale Reactor. <i>Chemical Engineering and Technology</i> , 2019, 42, 539-548. | 0.9 | 6 |
| 12 | Kinetics and mechanistic investigation of epoxide/CO ₂ cycloaddition by a synergistic catalytic effect of pyrrolidinopyridinium iodide and zinc halides. <i>Journal of Energy Chemistry</i> , 2019, 37, 35-42. | 7.1 | 36 |
| 13 | A reactive coupling process for co-production of solketal and biodiesel. <i>Green Processing and Synthesis</i> , 2019, 8, 516-524. | 1.3 | 5 |
| 14 | Techno-Economic Analysis of Glycerol Valorization via Catalytic Applications of Sulphonic Acid-Functionalized Copolymer Beads. <i>Frontiers in Chemistry</i> , 2019, 7, 882. | 1.8 | 15 |
| 15 | Intensified one-step biodiesel production from high water and free fatty acid waste cooking oils. <i>Fuel</i> , 2018, 220, 567-574. | 3.4 | 48 |
| 16 | Continuous reactive coupling of glycerol and acetone – A strategy for triglyceride transesterification and in-situ valorisation of glycerol by-product. <i>Chemical Engineering Journal</i> , 2018, 347, 41-51. | 6.6 | 29 |
| 17 | Kinetic modelling of microalgae cultivation for wastewater treatment and carbon dioxide sequestration. <i>Algal Research</i> , 2018, 32, 131-141. | 2.4 | 103 |
| 18 | Intensification of hollow fiber membrane cross-flow filtration by the combination of helical baffle and oscillatory flow. <i>Journal of Membrane Science</i> , 2018, 554, 134-139. | 4.1 | 14 |

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|----|---|-----|-----------|
| 19 | Experimental Determination of Optimal Conditions for Reactive Coupling of Biodiesel Production With in situ Glycerol Carbonate Formation in a Triglyceride Transesterification Process. <i>Frontiers in Chemistry</i> , 2018, 6, 625. | 1.8 | 17 |
| 20 | Extractive recovery and valorisation of arsenic from contaminated soil through phytoremediation using <i>Pteris cretica</i> . <i>Chemosphere</i> , 2018, 208, 484-492. | 4.2 | 31 |
| 21 | Intensification of carboxylic acid esterification using a solid catalyst in a mesoscale oscillatory baffled reactor platform. <i>Chemical Engineering Journal</i> , 2017, 322, 205-214. | 6.6 | 32 |
| 22 | Determination of the kinetics of biodiesel saponification in alcoholic hydroxide solutions. <i>Fuel</i> , 2015, 140, 724-730. | 3.4 | 36 |
| 23 | A more robust model of the biodiesel reaction, allowing identification of process conditions for significantly enhanced rate and water tolerance. <i>Bioresource Technology</i> , 2014, 156, 222-231. | 4.8 | 47 |
| 24 | Heterogeneous catalysis in an oscillatory baffled flow reactor. <i>Catalysis Science and Technology</i> , 2013, 3, 2373. | 2.1 | 40 |