

Eslam G Al-Sakkari

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

406
citations

759233

12
h-index

940533

16
g-index

21
all docs

21
docs citations

21
times ranked

336
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Kinetic study of soybean oil methanolysis using cement kiln dust as a heterogeneous catalyst for biodiesel production. <i>Applied Catalysis B: Environmental</i> , 2017, 206, 146-157. | 20.2 | 59 |
| 2 | Viral outbreaks detection and surveillance using wastewater-based epidemiology, viral air sampling, and machine learning techniques: A comprehensive review and outlook. <i>Science of the Total Environment</i> , 2022, 803, 149834. | 8.0 | 48 |
| 3 | Food Waste: A Promising Source of Sustainable Biohydrogen Fuel. <i>Trends in Biotechnology</i> , 2021, 39, 1274-1288. | 9.3 | 36 |
| 4 | Esterification of high FFA content waste cooking oil through different techniques including the utilization of cement kiln dust as a heterogeneous catalyst: A comparative study. <i>Fuel</i> , 2020, 279, 118519. | 6.4 | 29 |
| 5 | Investigation of cement kiln dust utilization for catalyzing biodiesel production via response surface methodology. <i>International Journal of Energy Research</i> , 2017, 41, 593-603. | 4.5 | 28 |
| 6 | New alginate-based interpenetrating polymer networks for water treatment: A response surface methodology based optimization study. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 772-785. | 7.5 | 25 |
| 7 | One-pot conversion of highly acidic waste cooking oil into biodiesel over a novel bio-based bi-functional catalyst. <i>Fuel</i> , 2021, 283, 118914. | 6.4 | 25 |
| 8 | Magnetized ZIF-8 impregnated with sodium hydroxide as a heterogeneous catalyst for high-quality biodiesel production. <i>Renewable Energy</i> , 2021, 165, 405-419. | 8.9 | 24 |
| 9 | Biodiesel production catalyzed by NaOH/Magnetized ZIF-8: Yield improvement using methanolysis and catalyst reusability enhancement. <i>Renewable Energy</i> , 2021, 174, 253-261. | 8.9 | 24 |
| 10 | A cleaner enzymatic approach for producing non-phthalate plasticiser to replace toxic-based phthalates. <i>Clean Technologies and Environmental Policy</i> , 2020, 22, 73-89. | 4.1 | 22 |
| 11 | Palm oil industrial wastes as a promising feedstock for biohydrogen production: A comprehensive review. <i>Environmental Pollution</i> , 2021, 291, 118160. | 7.5 | 17 |
| 12 | Kinetics and Gibbs Function Studies on Lipase-Catalyzed Production of Non-Phthalate Plasticizer. <i>Journal of Oleo Science</i> , 2020, 69, 727-735. | 1.4 | 16 |
| 13 | Kinetic Modelling of Heterogeneous Methanolysis Catalysed by Iron Induced on Microporous Carbon Supported Catalyst. <i>Catalysis Letters</i> , 2019, 149, 3508-3524. | 2.6 | 13 |
| 14 | Comprehensive elucidation of the apparent kinetics and mass transfer resistances for biodiesel production via in-house developed carbonaceous catalyst. <i>Chemical Engineering Research and Design</i> , 2021, 165, 192-206. | 5.6 | 12 |
| 15 | Waste-to-Energy Trends and Prospects: A Review. , 2019, , 673-684. | | 9 |
| 16 | Comparative Technoeconomic Analysis of Using Waste and Virgin Cooking Oils for Biodiesel Production. <i>Frontiers in Energy Research</i> , 2020, 8, . | 2.3 | 9 |
| 17 | A bi-functional alginate-based composite for catalyzing one-pot methyl esters synthesis from waste cooking oil having high acidity. <i>Fuel</i> , 2021, 306, 121637. | 6.4 | 7 |
| 18 | Cost-effective viable solutions for existing technologies. , 2022, , 381-395. | | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|----|-----------|
| 19 | Fish and animal waste as catalysts for biodiesel synthesis. , 2022, , 119-136. | | 0 |
| 20 | Inorganic wastes as heterogeneous catalysts for biodiesel production. , 2022, , 137-163. | | 0 |