# Yusuf Isa

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 21 papers | 374 citations | 933447 10 h-index | 794594 19 g-index |
| 21 all docs | 21 docs citations | 21 times ranked | 521 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Bio-oil as a potential source of petroleum range fuels. Renewable and Sustainable Energy Reviews, 2018, 81, 69-75. | 16.4 | 66 |
| 2 | The catalytic conversion of bioethanol to hydrocarbon fuel: A review and study. Catalysis in Industry, 2010, 2, 402-420. | 0.7 | 50 |
| 3 | Synthesis of ZSM-5 from impure and beneficiated Grahamstown kaolin: Effect of kaolinite content, crystallisation temperatures and time. Applied Clay Science, 2016, 119, 213-221. | 5.2 | 48 |
| 4 | Membrane desalination technologies in water treatment: A review. Water Practice and Technology, 2018, 13, 738-752. | 2.0 | 47 |
| 5 | The application of eggshells and sugarcane bagasse as potential biomaterials in the removal of heavy metals from aqueous solutions. South African Journal of Chemical Engineering, 2020, 34, 142-150. | 2.4 | 28 |
| 6 | Effect of kaolin chemical reactivity on the formation of ZSM-5 and its physicochemical properties. Microporous and Mesoporous Materials, 2017, 237, 1-11. | 4.4 | 23 |
| 7 | Decomposition of Methane to Carbon and Hydrogen: A Catalytic Perspective. Energy Technology, 2019, 7, 1800593. | 3.8 | 22 |
| 8 | A novel catalyst system for methane decomposition. International Journal of Energy Research, 2018, 42, 4372-4382. | 4.5 | 18 |
| 9 | Catalytic pyrolysis of nutrient-stressed Scenedesmus obliquus microalgae for high-quality bio-oil production. Renewable Energy, 2021, 179, 2036-2047. | 8.9 | 16 |
| 10 | Techno-economic analysis of biodiesel production over lipid extracted algae derived catalyst. Biofuels, 2022, 13, 663-674. | 2.4 | 15 |
| 11 | Wastewater and Bioventing Treatment Systems for Acid Mine Drainageâ€“Contaminated Soil. Soil and Sediment Contamination, 2021, 30, 518-531. | 1.9 | 9 |
| 12 | Comparative evaluation of wastewater and bioventing system for the treatment of acid mine drainage contaminated soils. Water-Energy Nexus, 2021, 4, 134-140. | 4.0 | 8 |
| 13 | The Place of Biofuel in Sustainable Living; Prospects and Challenges. , 2022, , 226-258. | | 6 |
| 14 | Synthesis of motor fuels from bioethanol. Chemistry and Technology of Fuels and Oils, 2008, 44, 409-414. | 0.5 | 4 |
| 15 | Further evidence on environmental impacts of carbon monoxide from portable power generator on indoor air quality. Cogent Engineering, 2020, 7, 1809771. | 2.2 | 4 |
| 16 | Utilization of quaternary solvent mixtures for extraction of lipids from Scenedesmus obliquus microalgae. Cogent Engineering, 2020, 7, 1788877. | 2.2 | 3 |
| 17 | Water Treated Promoted Catalysts for the Conversion of Ethanol to Hydrocarbons. Advances in Science, Technology and Innovation, 2022, , 385-392. | 0.4 | 3 |
| 18 | Enhancing the efficiency of thermal conversion of microalgae: a review. Biomass Conversion and Biorefinery, 2023, 13, 8813-8827. | 4.6 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Production of bio-aromatics from ethanol-waste cooking oil mixtures over ZSM-5 catalyst material. Catalysis for Sustainable Energy, 2016, 5, 19-27. | 0.7 | 1 |
| 20 | Hydrothermal gasification of Scenedesmus obliquus and its derivatives: a thermodynamic study using A spen P lus. Biofuels, Bioproducts and Biorefining, 2021, 15, 1421-1430. | 3.7 | 1 |
| 21 | Synthesis and Application of Porous Kaolin-Based ZSM-5 in the Petrochemical Industry. , 2020, , . | | 0 |