

Istadi Istadi

List of Publications by Year in descending order

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papers

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992
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Co-generation of synthesis gas and C2+ hydrocarbons from methane and carbon dioxide in a hybrid catalytic-plasma reactor: A review. <i>Fuel</i> , 2006, 85, 577-592. | 6.4 | 134 |
| 2 | Characterization of K ₂ O/CaO-ZnO Catalyst for Transesterification of Soybean Oil to Biodiesel. <i>Procedia Environmental Sciences</i> , 2015, 23, 394-399. | 1.4 | 85 |
| 3 | Modelling and optimization of catalytic dielectric barrier discharge plasma reactor for methane and carbon dioxide conversion using hybrid artificial neural network genetic algorithm technique. <i>Chemical Engineering Science</i> , 2007, 62, 6568-6581. | 3.8 | 73 |
| 4 | Active Acid Catalyst of Sulphated Zinc Oxide for Transesterification of Soybean Oil with Methanol to Biodiesel. <i>Procedia Environmental Sciences</i> , 2015, 23, 385-393. | 1.4 | 62 |
| 5 | Synergistic effect of catalyst basicity and reducibility on performance of ternary CeO ₂ -based catalyst for CO ₂ OCM to C ₂ hydrocarbons. <i>Journal of Molecular Catalysis A</i> , 2006, 259, 61-66. | 4.8 | 57 |
| 6 | Optimization of process parameters and catalyst compositions in carbon dioxide oxidative coupling of methane over CaO-MnO/CeO ₂ catalyst using response surface methodology. <i>Fuel Processing Technology</i> , 2006, 87, 449-459. | 7.2 | 55 |
| 7 | MODELING AND SIMULATION OF DEEP-BED GRAIN DRYERS. <i>Drying Technology</i> , 2001, 19, 269-280. | 3.1 | 44 |
| 8 | Production of non-food feedstock based biodiesel using acid-base bifunctional heterogeneous catalysts: A review. <i>Fuel</i> , 2022, 314, 122749. | 6.4 | 43 |
| 9 | Advanced Chemical Reactor Technologies for Biodiesel Production from Vegetable Oils - A Review. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2016, 11, 406-430. | 1.1 | 38 |
| 10 | Hybrid Artificial Neural Network Genetic Algorithm Technique for Modeling and Optimization of Plasma Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 6655-6664. | 3.7 | 35 |
| 11 | Modelling and Simulation of Momentum, Heat, and Mass Transfer in a Deep-Bed Grain Dryer. <i>Drying Technology</i> , 2003, 21, 217-229. | 3.1 | 34 |
| 12 | A COMPREHENSIVE MATHEMATICAL AND NUMERICAL MODELING OF DEEP-BED GRAIN DRYING. <i>Drying Technology</i> , 2002, 20, 1123-1142. | 3.1 | 33 |
| 13 | A hybrid numerical approach for multi-responses optimization of process parameters and catalyst compositions in CO ₂ OCM process over CaO-MnO/CeO ₂ catalyst. <i>Chemical Engineering Journal</i> , 2005, 106, 213-227. | 12.7 | 26 |
| 14 | Enhancing Brønsted and Lewis Acid Sites of the Utilized Spent RFCC Catalyst Waste for the Continuous Cracking Process of Palm Oil to Biofuels. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 9459-9468. | 3.7 | 26 |
| 15 | Electro-Catalysis System for Biodiesel Synthesis from Palm Oil over Dielectric-Barrier Discharge Plasma Reactor. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2014, 9, 111-120. | 1.1 | 25 |
| 16 | Reusability and Stability Tests of Calcium Oxide Based Catalyst (K ₂ O/CaO-ZnO) for Transesterification of Soybean Oil to Biodiesel. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2016, 11, 34-39. | 1.1 | 20 |
| 17 | Catalyst Deactivation Simulation Through Carbon Deposition in Carbon Dioxide Reforming over Ni/CaO-Al ₂ O ₃ Catalyst. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2011, 6, . | 1.1 | 15 |
| 18 | Biodiesel Production from Vegetable Oil over Plasma Reactor: Optimization of Biodiesel Yield using Response Surface Methodology. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2009, 4, . | 1.1 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Plasma-Assisted Catalytic Cracking as an Advanced Process for Vegetable Oils Conversion to Biofuels: A Mini Review. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 17632-17652. | 3.7 | 13 |
| 20 | Biofuels Production from Catalytic Cracking of Palm Oil Using Modified HY Zeolite Catalysts over A Continuous Fixed Bed Catalytic Reactor. <i>International Journal of Renewable Energy Development</i> , 2021, 10, 149-156. | 2.4 | 11 |
| 21 | Reaction rate law model and reaction mechanism covering effect of plasma role on the transesterification of triglyceride and methanol to biodiesel over a continuous flow hybrid catalytic-plasma reactor. <i>Heliyon</i> , 2020, 6, e05164. | 3.2 | 10 |
| 22 | Effects of Ion Exchange Process on Catalyst Activity and Plasma-Assisted Reactor Toward Cracking of Palm Oil into Biofuels. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2019, 14, 459-467. | 1.1 | 10 |
| 23 | Improved cooler design of electric arc furnace refractory in mining industry using thermal analysis modeling and simulation. <i>Applied Thermal Engineering</i> , 2014, 73, 1129-1140. | 6.0 | 9 |
| 24 | Effect of Temperature on Plasma-Assisted Catalytic Cracking of Palm Oil into Biofuels. <i>International Journal of Renewable Energy Development</i> , 2020, 9, 107-112. | 2.4 | 9 |
| 25 | Preliminary Testing of Hybrid Catalytic-Plasma Reactor for Biodiesel Production Using Modified-Carbon Catalyst. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2016, 11, 59-65. | 1.1 | 9 |
| 26 | Low-oxygenated biofuels production from palm oil through hydrocracking process using the enhanced Spent RFCC catalysts. <i>Bioresource Technology Reports</i> , 2021, 14, 100677. | 2.7 | 8 |
| 27 | Effects of Weight Hourly Space Velocity and Catalyst Diameter on Performance of Hybrid Catalytic-Plasma Reactor for Biodiesel Synthesis over Sulphated Zinc Oxide Acid Catalyst. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2017, 12, 227-234. | 1.1 | 8 |
| 28 | Preliminary Study of Development Surfactant Sodium Ligno Sulfonate (SLS) from Waste Biomass in the Application of Enhanced Oil Recovery (EOR) Yield Increase in Production for Crude Oil Indonesia. <i>Advanced Science Letters</i> , 2017, 23, 5803-5805. | 0.2 | 6 |
| 29 | Potential of LiNO ₃ /Al ₂ O ₃ Catalyst for Heterogeneous Transesterification of Palm Oil to Biodiesel. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2010, 5, . | 1.1 | 6 |
| 30 | PLASTIC WASTE CONVERSION TO LIQUID FUELS OVER MODIFIED-RESIDUAL CATALYTIC CRACKING CATALYSTS: MODELING AND OPTIMIZATION USING HYBRID ARTIFICIAL NEURAL NETWORK " GENETIC ALGORITHM. <i>Reaktor</i> , 2012, 13, 131. | 0.3 | 4 |
| 31 | Improved Brønsted to Lewis (B/L) Ratio of Co- and Mo-Impregnated ZSM-5 Catalysts for Palm Oil Conversion to Hydrocarbon-Rich Biofuels. <i>Catalysts</i> , 2021, 11, 1286. | 3.5 | 4 |
| 32 | Selective Conversion of Methane to C ₂ Hydrocarbons using Carbon Dioxide as an Oxidant over CaO-MnO/CeO ₂ Catalyst. <i>Studies in Surface Science and Catalysis</i> , 2006, 159, 213-216. | 1.5 | 3 |
| 33 | Optimization of methane conversion to liquid fuels over W-Cu/ZSM-5 catalysts by response surface methodology. <i>Journal of Natural Gas Chemistry</i> , 2008, 17, 39-44. | 1.8 | 3 |
| 34 | Optimization of Reactor Temperature and Catalyst Weight for Plastic Cracking to Fuels Using Response Surface Methodology. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2011, 5, . | 1.1 | 3 |
| 35 | Heating value prediction for combustible fraction of municipal solid waste in Semarang using backpropagation neural network. <i>AIP Conference Proceedings</i> , 2015, , . | 0.4 | 3 |
| 36 | Roles of K ₂ O on the CaO-ZnO Catalyst and Its Influence on Catalyst Basicity for Biodiesel Production. <i>E3S Web of Conferences</i> , 2018, 31, 02009. | 0.5 | 3 |

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|----|---|-----|-----------|
| 37 | Acids treatment for improving catalytic properties and activity of the spent RFCC catalyst for cracking of palm oil to kerosene-diesel fraction fuels. <i>Molecular Catalysis</i> , 2022, 527, 112420. | 2.0 | 2 |
| 38 | Process Parameters Optimization of Potential SO ₄ ²⁻ / ZnO Acid Catalyst for Heterogeneous Transesterification of Vegetable Oil to Biodiesel. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2012, 7, . | 1.1 | 1 |
| 39 | Separation of H ₂ S and NH ₃ gases from tofu waste water-based biogas using activated carbon adsorption. <i>AIP Conference Proceedings</i> , 2015, , . | 0.4 | 1 |
| 40 | Effect of Catalyst Pellet-Diameter and Basicity on Transesterification of Soybean Oil into Biodiesel using K ₂ O/CaO-ZnO Catalyst over Hybrid Catalytic-Plasma Reactor. <i>MATEC Web of Conferences</i> , 2018, 156, 06012. | 0.2 | 1 |
| 41 | Kinetika Reaksi Transesterifikasi Minyak Kedelai Menjadi Biodiesel Menggunakan Katalis Padat Ramah Lingkungan K ₂ O/CaO-ZnO. <i>Teknik</i> , 2019, 40, 136. | 0.1 | 1 |
| 42 | Simplex Lattice Design Method for the Optimization of Non-Edible Oils Mixture Composition as Feedstock for Biodiesel Synthesis Using Reactive Distillation. <i>Journal of Physics: Conference Series</i> , 2019, 1295, 012047. | 0.4 | 1 |
| 43 | Reactivation of the Spent Residue Fluid Catalytic Cracking (RFCC) Catalyst through Acid Treatment for Palm Oil Cracking to Biofuels. <i>Teknik</i> , 2021, 42, 218-225. | 0.1 | 1 |
| 44 | Potential of LiNO ₃ /Al ₂ O ₃ Catalyst for Heterogeneous Transesterification of Palm Oil to Biodiesel. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2010, 5, . | 1.1 | 1 |
| 45 | UNJUK KERJA REAKTOR PLASMA DIELECTRIC BARRIER DISCHARGE UNTUK PRODUKSI BIODIESEL DARI MINYAK KELAPA SAWIT. <i>Teknik</i> , 2013, 34, 116. | 0.1 | 0 |
| 46 | The Influence of Mn/Ga Solution Mole Fraction on the Solid Composition and Microstructure of GaN:Mn Thin Film Deposited on Silicon Substrate by Spin Coating Technique. <i>Advanced Materials Research</i> , 0, 896, 203-210. | 0.3 | 0 |
| 47 | Thermodynamic analysis of tar reforming through auto-thermal reforming process. <i>AIP Conference Proceedings</i> , 2015, , . | 0.4 | 0 |
| 48 | Optimization of Preparation of Zeolite Y Dealuminate Catalysts for Glycerol Conversion to Glycerol Mono Laurate. <i>MATEC Web of Conferences</i> , 2018, 156, 06006. | 0.2 | 0 |
| 49 | Kinetics of Transesterification Reaction of Soybean Oil into Biodiesel with CaO Catalyst. <i>Jurnal Kimia Sains Dan Aplikasi</i> , 2019, 22, 213-219. | 0.4 | 0 |
| 50 | Steady-State and Dynamic Simulation Study of Reactive Distillation for FFA Esterification in Biodiesel Synthesis. <i>Jurnal Rekayasa Kimia & Lingkungan</i> , 2021, 16, 28-36. | 0.3 | 0 |
| 51 | Frontmatter (Front Cover, Editorial Team, Indexing, and Table of Contents). <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2021, 16, i-iv. | 1.1 | 0 |
| 52 | Backmatter (Publication Ethics, Copyright Transfer Agreement for Publishing Form). <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2021, 16, App.1-App.5. | 1.1 | 0 |
| 53 | Mathematical Modelling of Catalytic Fixed-Bed Reactor for Carbon Dioxide Reforming of Methane over Rh/Al ₂ O ₃ Catalyst. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2010, 3, . | 1.1 | 0 |
| 54 | Preface, <i>BCREC Vol. 11 No. 1 Year 2016</i> . <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2016, 11, v. | 1.1 | 0 |

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|----|---|-----|-----------|
| 55 | Energi Recovery Potential from Combustible Fraction of Semarang's Municipal Solid Waste. <i>Advanced Science Letters</i> , 2017, 23, 2424-2426. | 0.2 | 0 |
| 56 | Carbon Dioxide (CO ₂) Reduction of Tofu Industrial Waste Water-Based Biogas by an Integrated Process of Activated Carbon and Zeolite Adsorption to Enhance Pipeline Quality Gas. <i>Advanced Science Letters</i> , 2017, 23, 5704-5708. | 0.2 | 0 |
| 57 | Selected Peer-Reviewed Articles from the 1st International Conference on Chemical Process and Product Engineering 2016 (ICCPPE 2016), Semarang, Indonesia, 14-15 September, 2016. <i>Advanced Science Letters</i> , 2017, 23, 5587-5589. | 0.2 | 0 |
| 58 | Effect of Voltages on Performance of Hybrid Catalytic-Plasma Reactor for Biodiesel Synthesis Over 5%K ₂ O/CaO-ZnO Catalyst. <i>Advanced Science Letters</i> , 2017, 23, 5595-5597. | 0.2 | 0 |
| 59 | Analysis of CaCO ₃ Impregnation on HY Zeolite Surface Area, Pore Size, and Activity in the Catalytic Cracking of Palm Oil to Biofuels. <i>Teknik</i> , 2022, 43, 78-86. | 0.1 | 0 |