

Istadi Istadi

List of Publications by Year in descending order

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59
papers

950
citations

516710

16
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454955

30
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64
all docs

64
docs citations

64
times ranked

992
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of non-food feedstock based biodiesel using acid-base bifunctional heterogeneous catalysts: A review. <i>Fuel</i> , 2022, 314, 122749.	6.4	43
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
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	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
16	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
17	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
18	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

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19	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. MATEC Web of Conferences, 2018, 156, 06012.	0.2	1
20	Roles of K ₂ O on the CaO-ZnO Catalyst and Its Influence on Catalyst Basicity for Biodiesel Production. E3S Web of Conferences, 2018, 31, 02009.	0.5	3
21	Optimization of Preparation of Zeolite Y Dealuminate Catalysts for Glycerol Conversion to Glycerol Mono Laurate. MATEC Web of Conferences, 2018, 156, 06006.	0.2	0
22	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. Advanced Science Letters, 2017, 23, 5803-5805.	0.2	6
23	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. Bulletin of Chemical Reaction Engineering and Catalysis, 2017, 12, 227-234.	1.1	8
24	Energi Recovery Potential from Combustible Fraction of Semarang's Municipal Solid Waste. Advanced Science Letters, 2017, 23, 2424-2426.	0.2	0
25	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. Advanced Science Letters, 2017, 23, 5704-5708.	0.2	0
26	Selected Peer-Reviewed Articles from the 1st International Conference on Chemical Process and Product Engineering 2016 (ICCPPE 2016), Semarang, Indonesia, 14-15 September, 2016. Advanced Science Letters, 2017, 23, 5587-5589.	0.2	0
27	Effect of Voltages on Performance of Hybrid Catalytic-Plasma Reactor for Biodiesel Synthesis Over 5%K ₂ O/CaO-ZnO Catalyst. Advanced Science Letters, 2017, 23, 5595-5597.	0.2	0
28	Reusability and Stability Tests of Calcium Oxide Based Catalyst (K ₂ O/CaO-ZnO) for Transesterification of Soybean Oil to Biodiesel. Bulletin of Chemical Reaction Engineering and Catalysis, 2016, 11, 34-39.	1.1	20
29	Preliminary Testing of Hybrid Catalytic-Plasma Reactor for Biodiesel Production Using Modified-Carbon Catalyst. Bulletin of Chemical Reaction Engineering and Catalysis, 2016, 11, 59-65.	1.1	9
30	Advanced Chemical Reactor Technologies for Biodiesel Production from Vegetable Oils - A Review. Bulletin of Chemical Reaction Engineering and Catalysis, 2016, 11, 406-430.	1.1	38
31	Preface, BCREC Vol. 11 No. 1 Year 2016. Bulletin of Chemical Reaction Engineering and Catalysis, 2016, 11, v.	1.1	0
32	Heating value prediction for combustible fraction of municipal solid waste in Semarang using backpropagation neural network. AIP Conference Proceedings, 2015, , .	0.4	3
33	Separation of H ₂ S and NH ₃ gases from tofu waste water-based biogas using activated carbon adsorption. AIP Conference Proceedings, 2015, , .	0.4	1
34	Thermodynamic analysis of tar reforming through auto-thermal reforming process. AIP Conference Proceedings, 2015, , .	0.4	0
35	Active Acid Catalyst of Sulphated Zinc Oxide for Transesterification of Soybean Oil with Methanol to Biodiesel. Procedia Environmental Sciences, 2015, 23, 385-393.	1.4	62
36	Characterization of K ₂ O/CaO-ZnO Catalyst for Transesterification of Soybean Oil to Biodiesel. Procedia Environmental Sciences, 2015, 23, 394-399.	1.4	85

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37	Electro-Catalysis System for Biodiesel Synthesis from Palm Oil over Dielectric-Barrier Discharge Plasma Reactor. Bulletin of Chemical Reaction Engineering and Catalysis, 2014, 9, 111-120.	1.1	25
38	Improved cooler design of electric arc furnace refractory in mining industry using thermal analysis modeling and simulation. Applied Thermal Engineering, 2014, 73, 1129-1140.	6.0	9
39	UNJUK KERJA REAKTOR PLASMA DIELECTRIC BARRIER DISCHARGE UNTUK PRODUKSI BIODIESEL DARI MINYAK KELAPA SAWIT. Teknik, 2013, 34, 116.	0.1	0
40	Process Parameters Optimization of Potential SO ₄ ²⁻ / ZnO Acid Catalyst for Heterogeneous Transesterification of Vegetable Oil to Biodiesel. Bulletin of Chemical Reaction Engineering and Catalysis, 2012, 7, .	1.1	1
41	PLASTIC WASTE CONVERSION TO LIQUID FUELS OVER MODIFIED-RESIDUAL CATALYTIC CRACKING CATALYSTS: MODELING AND OPTIMIZATION USING HYBRID ARTIFICIAL NEURAL NETWORK " GENETIC ALGORITHM. Reaktor, 2012, 13, 131.	0.3	4
42	Catalyst Deactivation Simulation Through Carbon Deposition in Carbon Dioxide Reforming over Ni/CaO-Al ₂ O ₃ Catalyst. Bulletin of Chemical Reaction Engineering and Catalysis, 2011, 6, .	1.1	15
43	Optimization of Reactor Temperature and Catalyst Weight for Plastic Cracking to Fuels Using Response Surface Methodology. Bulletin of Chemical Reaction Engineering and Catalysis, 2011, 5, .	1.1	3
44	Potential of LiNO ₃ /Al ₂ O ₃ Catalyst for Heterogeneous Transesterification of Palm Oil to Biodiesel. Bulletin of Chemical Reaction Engineering and Catalysis, 2010, 5, .	1.1	6
45	Mathematical Modelling of Catalytic Fixed-Bed Reactor for Carbon Dioxide Reforming of Methane over Rh/Al ₂ O ₃ Catalyst. Bulletin of Chemical Reaction Engineering and Catalysis, 2010, 3, .	1.1	0
46	Potential of LiNO ₃ /Al ₂ O ₃ Catalyst for Heterogeneous Transesterification of Palm Oil to Biodiesel. Bulletin of Chemical Reaction Engineering and Catalysis, 2010, 5, .	1.1	1
47	Biodiesel Production from Vegetable Oil over Plasma Reactor: Optimization of Biodiesel Yield using Response Surface Methodology. Bulletin of Chemical Reaction Engineering and Catalysis, 2009, 4, .	1.1	14
48	Optimization of methane conversion to liquid fuels over W-Cu/ZSM-5 catalysts by response surface methodology. Journal of Natural Gas Chemistry, 2008, 17, 39-44.	1.8	3
49	Modelling and optimization of catalytic "dielectric barrier discharge plasma reactor for methane and carbon dioxide conversion using hybrid artificial neural network "genetic algorithm technique. Chemical Engineering Science, 2007, 62, 6568-6581.	3.8	73
50	Selective Conversion of Methane to C ₂ Hydrocarbons using Carbon Dioxide as an Oxidant over CaO-MnO/CeO ₂ Catalyst. Studies in Surface Science and Catalysis, 2006, 159, 213-216.	1.5	3
51	Hybrid Artificial Neural Network "Genetic Algorithm Technique for Modeling and Optimization of Plasma Reactor. Industrial & Engineering Chemistry Research, 2006, 45, 6655-6664.	3.7	35
52	Co-generation of synthesis gas and C ₂ + hydrocarbons from methane and carbon dioxide in a hybrid catalytic-plasma reactor: A review. Fuel, 2006, 85, 577-592.	6.4	134
53	Optimization of process parameters and catalyst compositions in carbon dioxide oxidative coupling of methane over CaO "MnO/CeO ₂ catalyst using response surface methodology. Fuel Processing Technology, 2006, 87, 449-459.	7.2	55
54	Synergistic effect of catalyst basicity and reducibility on performance of ternary CeO ₂ -based catalyst for CO ₂ OCM to C ₂ hydrocarbons. Journal of Molecular Catalysis A, 2006, 259, 61-66.	4.8	57

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55	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. Chemical Engineering Journal, 2005, 106, 213-227.	12.7	26
56	Modelling and Simulation of Momentum, Heat, and Mass Transfer in a Deep-Bed Grain Dryer. Drying Technology, 2003, 21, 217-229.	3.1	34
57	A COMPREHENSIVE MATHEMATICAL AND NUMERICAL MODELING OF DEEP-BED GRAIN DRYING. Drying Technology, 2002, 20, 1123-1142.	3.1	33
58	MODELING AND SIMULATION OF DEEP-BED GRAIN DRYERS. Drying Technology, 2001, 19, 269-280.	3.1	44
59	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. Advanced Materials Research, 0, 896, 203-210.	0.3	0