# Ahmad Zuhairi Abdullah

List of Publications by Year
in descending order



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|---|---|---|---|
| 223 papers | 12,502 citations | 18482 62 h-index | 28297 105 g-index |
| 229 all docs | 229 docs citations | 229 times ranked | 13819 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Treatment of Stabilized Sanitary Landfill Leachate Using Electrocoagulation Process Equipped with Fe, Al, and Zn Electrodes and Assisted by Cationic Polyacrylamide Coagulant Aid. Arabian Journal for Science and Engineering, 2023, 48, 8495-8506. | 3.0 | 4 |
| 2 | Selective glycerol esterification to monolaurate over ZrO<sub>2</sub>/MCM-41 catalysts prepared using impregnation and precipitation methods. Chemical Engineering Communications, 2022, 209, 607-622. | 2.6 | 1 |
| 3 | A review on bi/multifunctional catalytic oxydehydration of bioglycerol to acrylic acid: Catalyst type, kinetics, and reaction mechanism. Canadian Journal of Chemical Engineering, 2022, 100, 2956-2985. | 1.7 | 11 |
| 4 | Abelmoschus esculentus (Okra) seed extract for stabilization of the biosynthesized TiO2 photocatalyst used for degradation of stable organic substance in water. Environmental Science and Pollution Research, 2022, 29, 41053-41064. | 5.3 | 8 |
| 5 | A review on recent developments and progress in sustainable acrolein production through catalytic dehydration of bio-renewable glycerol. Journal of Cleaner Production, 2022, 341, 130876. | 9.3 | 31 |
| 6 | Magnesium stabilized 12-tungstophosphoric acid impregnated SBA-15 for selective monolaurin production. South African Journal of Chemical Engineering, 2022, 41, 51-64. | 2.4 | 0 |
| 7 | Kinetic modelling and mechanism study for monolaurin esterification with 12-tungstophosphoric acid incorporated calcium modified SBA-15. AIP Conference Proceedings, 2022, , . | 0.4 | 0 |
| 8 | Photocatalytic Degradation of Recalcitrant Pollutants of Greywater. Catalysts, 2022, 12, 557. | 3.5 | 10 |
| 9 | A review on one-pot synthesis of acrylic acid from glycerol on bi-functional catalysts. Journal of Industrial and Engineering Chemistry, 2021, 93, 216-227. | 5.8 | 19 |
| 10 | A comprehensive review on sonocatalytic, photocatalytic, and sonophotocatalytic processes for the degradation of antibiotics in water: Synergistic mechanism and degradation pathway. Chemical Engineering Journal, 2021, 413, 127412. | 12.7 | 173 |
| 11 | Zirconiumâ€“Cerium Oxides Supported on SBA-15 as Catalyst for Shape-Selective Synthesis of Lactic Acid from Glycerol. Waste and Biomass Valorization, 2021, 12, 2565-2578. | 3.4 | 7 |
| 12 | Behaviors and Mechanism of Color, COD, and Silica Removals in the Electrocoagulation of Batik Wastewater Using Waste Aluminum Electrodes. International Journal of Environmental Research, 2021, 15, 509-525. | 2.3 | 5 |
| 13 | Enhancement of Adsorption-Photocatalysis of Malachite Green Using Oil Palm Biomass-Derived Activated Carbon/ Titanium Dioxide Composite. Current Analytical Chemistry, 2021, 17, 603-617. | 1.2 | 4 |
| 14 | A Review on the Treatment of Petroleum Refinery Wastewater Using Advanced Oxidation Processes. Catalysts, 2021, 11, 782. | 3.5 | 52 |
| 15 | Enhancement of photocatalytic degradation of Malachite Green using iron doped titanium dioxide loaded on oil palm empty fruit bunch-derived activated carbon. Chemosphere, 2021, 272, 129588. | 8.2 | 36 |
| 16 | Elucidation of morphology developed of CaxCey/ZrO2 solid catalyst for the production of lactic acid from glycerol conversion. IOP Conference Series: Materials Science and Engineering, 2021, 1176, 012011. | 0.6 | 0 |
| 17 | Role of Oil Palm Empty Fruit Bunch-Derived Cellulose in Improving the Sonocatalytic Activity of Silver-Doped Titanium Dioxide. Polymers, 2021, 13, 3530. | 4.5 | 2 |
| 18 | Biomass-Based Photocatalysts for Environmental Applications. Environmental Chemistry for A Sustainable World, 2020, , 55-86. | 0.5 | 6 |

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| 19 | Biosynthesized Fe- and Ag-doped ZnO nanoparticles using aqueous extract of Clitoria ternatea Linn for enhancement of sonocatalytic degradation of Congo red. Environmental Science and Pollution Research, 2020, 27, 34675-34691. | 5.3 | 22 |
| 20 | Recent developments and potential advancement in the kinetics of catalytic oxidation of glycerol. Chemical Engineering Communications, 2020, 207, 1298-1328. | 2.6 | 6 |
| 21 | Deoxygenation of pyrolysis vapour derived from durian shell using catalysts prepared from industrial wastes rich in Ca, Fe, Si and Al. Science of the Total Environment, 2020, 703, 134902. | 8.0 | 11 |
| 22 | Enhanced sonophotocatalytic degradation of paracetamol in the presence of Fe-doped TiO2 nanoparticles and H2O2. Environmental Earth Sciences, 2020, 79, 1. | 2.7 | 8 |
| 23 | The Challenges of a Biodiesel Implementation Program in Malaysia. Processes, 2020, 8, 1244. | 2.8 | 41 |
| 24 | Mechanism and reaction kinetic of hybrid ozonation-ultrasonication treatment for intensified degradation of emerging organic contaminants in water: A critical review. Chemical Engineering and Processing: Process Intensification, 2020, 154, 108047. | 3.6 | 29 |
| 25 | A review over the role of catalysts for selective short-chain polyglycerol production from biodiesel derived waste glycerol. Environmental Technology and Innovation, 2020, 19, 100859. | 6.1 | 48 |
| 26 | Synergy between oxides of Ni and Ca for selective catalytic lactic acid synthesis from glycerol in a single step process. Journal of Industrial and Engineering Chemistry, 2020, 85, 282-288. | 5.8 | 9 |
| 27 | Removal Efficiency of Acid Red 18 Dye from Aqueous Solution Using Different Aluminium-Based Electrode Materials by Electrocoagulation Process. Indonesian Journal of Chemistry, 2020, 20, 536. | 0.8 | 5 |
| 28 | Mixed Oxide Catalyst for the Oxidation of Glycerol to Lactic Acid: Influence of the Preparation Method and Calcination Temperature. Indonesian Journal of Chemistry, 2020, 20, 608. | 0.8 | 1 |
| 29 | A comprehensive review on state-of-the-art photo-, sono-, and sonophotocatalytic treatments to degrade emerging contaminants. International Journal of Environmental Science and Technology, 2019, 16, 601-628. | 3.5 | 83 |
| 30 | Optimised Co-Precipitation synthesis condition for oxalate-derived zirconia nanoparticles. Ceramics International, 2019, 45, 22930-22939. | 4.8 | 15 |
| 31 | Ammonium oxalate-assisted synthesis of Gd2O3 nanopowders. Ceramics International, 2019, 45, 9082-9091. | 4.8 | 3 |
| 32 | Decomposition of N<sub>2</sub>O at low temperature over Co<sub>3</sub>O<sub>4</sub> prepared by different methods. Environmental Progress and Sustainable Energy, 2019, 38, 13129. | 2.3 | 5 |
| 33 | Exploring kaolinite as dry methane reforming catalyst support: Influences of chemical activation, organic ligand functionalization and calcination temperature. Applied Catalysis A: General, 2019, 576, 20-31. | 4.3 | 29 |
| 34 | Product distribution of the thermal and catalytic fast pyrolysis of karanja (Pongamia pinnata) fruit hulls over a reusable silica-alumina catalyst. Fuel, 2019, 245, 89-95. | 6.4 | 19 |
| 35 | Review of large-pore mesostructured cellular foam (MCF) silica and its applications. Open Chemistry, 2019, 17, 1000-1016. | 1.9 | 15 |
| 36 | Effect of calcination temperature on the physicochemical and catalytic properties of SZSBA-15 catalyst in the production of monopalmitin. Chemical Engineering Communications, 2018, 205, 506-518. | 2.6 | 1 |

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|---|---|---|---|
| 37 | Floc behavior and removal mechanisms of cross-linked Durio zibethinus seed starch as a natural flocculant for landfill leachate coagulation-flocculation treatment. Waste Management, 2018, 74, 362-372. | 7.4 | 53 |
| 38 | Effects of zirconia loading in sulfated zirconia/SBA-15 on esterification of palmitic acid with glycerol. Korean Journal of Chemical Engineering, 2018, 35, 383-393. | 2.7 | 6 |
| 39 | Caesium Salt of Tungstophosphoric Acid Supported on Mesoporous SBA-15 Catalyst for Selective Esterification of Lauric Acid with Glycerol to Monolaurin. Arabian Journal for Science and Engineering, 2018, 43, 5771-5783. | 3.0 | 6 |
| 40 | Selective acid-functionalized mesoporous silica catalyst for conversion of glycerol to monoglycerides: state of the art and future prospects. Reviews in Chemical Engineering, 2018, 34, 239-265. | 4.4 | 16 |
| 41 | Native defects in silver orthophosphate and their effects on photocatalytic activity under visible light irradiation. Applied Surface Science, 2018, 428, 1029-1035. | 6.1 | 24 |
| 42 | Ultrafiltration based on various polymeric membranes for recovery of spent tungsten slurry for reuse in chemical mechanical polishing process. Journal of Membrane Science, 2018, 548, 232-238. | 8.2 | 13 |
| 43 | Effect of catalyst to glycerol ratio in the production of lactic acid via hydrothermal reaction using calcium oxide and strontium oxide catalysts. AIP Conference Proceedings, 2018, , . | 0.4 | 2 |
| 44 | Substantially Stabilized Superacid Incorporated SBA-15 with Calcium Bridging for Selective Esterification of Glycerol. IOP Conference Series: Materials Science and Engineering, 2018, 318, 012007. | 0.6 | 2 |
| 45 | Catalytic fast pyrolysis of durian rind using silica-alumina catalyst: Effects of pyrolysis parameters. Bioresource Technology, 2018, 264, 198-205. | 9.6 | 40 |
| 46 | Development of self-assembled nanocrystalline cellulose as a promising practical adsorbent for methylene blue removal. Carbohydrate Polymers, 2018, 199, 92-101. | 10.2 | 36 |
| 47 | Synthesis and characterisation of Y2O3 using ammonia oxalate as a precipitant in distillate pack co-precipitation process. Ceramics International, 2018, 44, 18693-18702. | 4.8 | 12 |
| 48 | Enhancing reactive blue 4 adsorption through chemical modification of chitosan with hexadecylamine and 3-aminopropyl triethoxysilane. Journal of Water Process Engineering, 2017, 15, 49-54. | 5.6 | 21 |
| 49 | Adsorption Studies of Methyl Tert-butyl Ether from Environment. Separation and Purification Reviews, 2017, 46, 273-290. | 5.5 | 12 |
| 50 | A review on recent developments and progress in the kinetics and deactivation of catalytic acetylation of glycerolâ€"A byproduct of biodiesel. Renewable and Sustainable Energy Reviews, 2017, 74, 387-401. | 16.4 | 84 |
| 51 | The way forward for the modification of dye-sensitized solar cell towards better power conversion efficiency. Renewable and Sustainable Energy Reviews, 2017, 74, 438-452. | 16.4 | 32 |
| 52 | Ionicâ€"gelation synthesis of gadolinium doped ceria (Ce 0.8 Gd 0.2 O 1.90 ) nanocomposite powder using sodium-alginate. Ceramics International, 2017, 43, 7123-7135. | 4.8 | 10 |
| 53 | Sonocatalytic degradation of Rhodamine B in the presence of iron-doped TiO2 nanotubes: Characterizations and reaction kinetic studies. AIP Conference Proceedings, 2017, , . | 0.4 | 1 |
| 54 | Visible light responsive TiO 2 nanoparticles modified using Ce and La for photocatalytic reduction of CO 2 : Effect of Ce dopant content. Applied Catalysis A: General, 2017, 537, 111-120. | 4.3 | 75 |

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| 55 | Synthesis and characterization of NiO and Ni nanoparticles using nanocrystalline cellulose (NCC) as a template. Ceramics International, 2017, 43, 16331-16339. | 4.8 | 26 |
| 56 | Fast pyrolysis of durian (Durio zibethinus L) shell in a drop-type fixed bed reactor: Pyrolysis behavior and product analyses. Bioresource Technology, 2017, 243, 85-92. | 9.6 | 43 |
| 57 | Selective removal of dyes by molecular imprinted TiO2 nanoparticles in polysulfone ultrafiltration membrane. Journal of Environmental Chemical Engineering, 2017, 5, 3991-3998. | 6.7 | 72 |
| 58 | Synthesis of oxygenated fuel additives via glycerol esterification with acetic acid over bio-derived carbon catalyst. Fuel, 2017, 209, 538-544. | 6.4 | 79 |
| 59 | Production of lactic acid from glycerol via chemical conversion using solid catalyst: A review. Applied Catalysis A: General, 2017, 543, 234-246. | 4.3 | 103 |
| 60 | Stabilized ladle furnace steel slag for glycerol carbonate synthesis via glycerol transesterification reaction with dimethyl carbonate. Energy Conversion and Management, 2017, 133, 477-485. | 9.2 | 68 |
| 61 | Comparison of partial discharge behavior in mineral oil and PFAE under influence of spherical metal particle. , 2017, , . | | 3 |
| 62 | Partial discharge characteristics of spherical metal particle in mineral oil and PFAE under AC voltage. , 2017, , . | | 2 |
| 63 | Construction of partial discharge measurement system under influence of cylindrical metal particle in transformer oil. , 2016, , . | | 3 |
| 64 | Fe incorporated mesocellular foam as an effective and stable catalyst: Effect of Fe concentration on the characteristics and activity in Fenton-like oxidation of acid red B. Journal of Molecular Catalysis A, 2016, 414, 94-107. | 4.8 | 13 |
| 65 | Glycerol carbonate synthesis from glycerol and dimethyl carbonate using trisodium phosphate. Journal of the Taiwan Institute of Chemical Engineers, 2016, 68, 51-58. | 5.3 | 53 |
| 66 | Synthesis and Characterization of NiO Nanoâ€Spheres by Templating on Chitosan as a Green Precursor. Journal of the American Ceramic Society, 2016, 99, 3874-3882. | 3.8 | 17 |
| 67 | Characteristics of post-impregnated SBA-15 with 12- Tungstophosphoric acid and its correlation with catalytic activity in selective esterification of glycerol to monolaurate. IOP Conference Series: Earth and Environmental Science, 2016, 36, 012037. | 0.3 | 0 |
| 68 | Monolaurin yield optimization in selective esterification of glycerol with lauric acid over post impregnated HPW/SBA-15 catalyst. Korean Journal of Chemical Engineering, 2016, 33, 1200-1210. | 2.7 | 5 |
| 69 | Challenges in biodiesel industry with regards to feedstock, environmental, social and sustainability issues: A critical review. Renewable and Sustainable Energy Reviews, 2016, 58, 208-223. | 16.4 | 178 |
| 70 | Ultrasound-assisted biodiesel production from waste cooking oil using hydrotalcite prepared by combustion method as catalyst. Applied Catalysis A: General, 2016, 514, 214-223. | 4.3 | 28 |
| 71 | Impacts of trace element supplementation on the performance of anaerobic digestion process: A critical review. Bioresource Technology, 2016, 209, 369-379. | 9.6 | 308 |
| 72 | Catalytic behavior of sulfated zirconia supported on SBA-15 as catalyst in selective glycerol esterification with palmitic acid to monopalmitin. Journal of the Taiwan Institute of Chemical Engineers, 2016, 60, 199-204. | 5.3 | 20 |

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| 73 | Fe loaded mesocellular silica foam: role of acid and 1,3,5-trimethylbenzene concentrations on the catalyst and its performance in the degradation of acid red B. Journal of Porous Materials, 2016, 23, 601-618. | 2.6 | 1 |
| 74 | Chitosan hydrogel beads impregnated with hexadecylamine for improved reactive blue 4 adsorption. Carbohydrate Polymers, 2016, 137, 139-146. | 10.2 | 73 |
| 75 | Selective Monolaurin Synthesis through Esterification of Glycerol Using Sulfated Zirconia-Loaded SBA-15 Catalyst. Chemical Engineering Communications, 2016, 203, 496-504. | 2.6 | 21 |
| 76 | Modified silica-based heterogeneous catalysts for etherification of glycerol. AIP Conference Proceedings, 2015, , . | 0.4 | 1 |
| 77 | Optimization of Biodiesel Production fromCarthamus TinctoriusL.CV.Thori 78: A Novel Cultivar of Safflower Crop. International Journal of Green Energy, 2015, 12, 447-452. | 3.8 | 7 |
| 78 | Biosorption of Pb(ii) and Fe(iii) from aqueous co-solutions using chemically pretreated oil palm fronds. RSC Advances, 2015, 5, 106498-106508. | 3.6 | 8 |
| 79 | Catalytic Etherification of Glycerol to Diglycerol Over Heterogeneous Calcium-Based Mixed-Oxide Catalyst: Reusability and Stability. Chemical Engineering Communications, 2015, 202, 1397-1405. | 2.6 | 10 |
| 80 | Recent development in catalytic technologies for methanol synthesis from renewable sources: A critical review. Renewable and Sustainable Energy Reviews, 2015, 44, 508-518. | 16.4 | 175 |
| 81 | Elimination of reactive blue 4 from aqueous solutions using 3-aminopropyl triethoxysilane modified chitosan beads. Carbohydrate Polymers, 2015, 132, 89-96. | 10.2 | 70 |
| 82 | Adsorption of dyes by nanomaterials: Recent developments and adsorption mechanisms. Separation and Purification Technology, 2015, 150, 229-242. | 7.9 | 582 |
| 83 | Sunlight responsive WO 3 /ZnO nanorods for photocatalytic degradation and mineralization of chlorinated phenoxyacetic acid herbicides in water. Journal of Colloid and Interface Science, 2015, 450, 34-44. | 9.4 | 94 |
| 84 | Kinetics Modeling and Mechanism Study for Selective Esterification of Glycerol with Lauric Acid Using 12-Tungstophosphoric Acid Post-Impregnated SBA-15. Industrial & Engineering Chemistry Research, 2015, 54, 7852-7858. | 3.7 | 25 |
| 85 | Response Surface Methodology for Simulation of Ultrasonic-assisted Biodiesel Production Catalyzed by SrO/Al<sub>2</sub>O<sub>3</sub>Catalyst. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2015, 37, 1747-1755. | 2.3 | 8 |
| 86 | Deoxygenation of fatty acid to produce diesel-like hydrocarbons: A review of process conditions, reaction kinetics and mechanism. Renewable and Sustainable Energy Reviews, 2015, 42, 1223-1233. | 16.4 | 154 |
| 87 | Distaff Thistle Oil: A Possible New Non-Edible Feedstock for Bioenergy. International Journal of Green Energy, 2015, 12, 1066-1075. | 3.8 | 8 |
| 88 | Kinetic removal of Cr6+ by carboxymethyl cellulose-stabilized nano zerovalent iron particles. Macedonian Journal of Chemistry and Chemical Engineering, 2015, 34, 295. | 0.6 | 4 |
| 89 | Photocatalytic TiO<sub>2</sub>/Carbon Nanotube Nanocomposites for Environmental Applications: An Overview and Recent Developments. Fullerenes Nanotubes and Carbon Nanostructures, 2014, 22, 471-509. | 2.1 | 43 |
| 90 | Effect of Magnesium Coating Prior to Lithium Loading over SBA-15 for Stabilization of its Mesostructure. Advanced Materials Research, 2014, 917, 3-9. | 0.3 | 1 |

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| 91 | Nutrient and mineral assessment of edible wild fig and mulberry fruits. Fruits, 2014, 69, 159-166. | 0.4 | 37 |
| 92 | Degradation of High-Density Polyethylene into Liquid Fuels Using Microporous and Mesoporous Catalysts. Lecture Notes in Energy, 2014, , 245-263. | 0.3 | 0 |
| 93 | Experimental analysis of di-functional magnetic oxide catalyst and its performance in the hemp plant biodiesel production. Applied Energy, 2014, 113, 660-669. | 10.1 | 40 |
| 94 | Esterification of oily-FFA and transesterification of high FFA waste oils using novel palm trunk and bagasse-derived catalysts. Energy Conversion and Management, 2014, 88, 1143-1150. | 9.2 | 40 |
| 95 | Transesterification of crude Jatropha oil by activated carbon-supported heteropolyacid catalyst in an ultrasound-assisted reactor system. Renewable Energy, 2014, 62, 10-17. | 8.9 | 77 |
| 96 | Enhanced sunlight photocatalytic performance over Nb2O5/ZnO nanorod composites and the mechanism study. Applied Catalysis A: General, 2014, 471, 126-135. | 4.3 | 108 |
| 97 | Oil palm trunk and sugarcane bagasse derived solid acid catalysts for rapid esterification of fatty acids and moisture-assisted transesterification of oils under pseudo-infinite methanol. Bioresource Technology, 2014, 157, 254-262. | 9.6 | 53 |
| 98 | Shape Selectivity Effects in Etherification of Glycerol to Diglycerol Isomers in a Solvent-Free Reaction System by Liâ€“Mg/SBA-15 Catalyst. Catalysis Letters, 2014, 144, 211-215. | 2.6 | 5 |
| 99 | Direct synthesis of mesoporous 12-tungstophosphoric acid SBA-15 catalyst for selective esterification of glycerol and lauric acid to monolaurate. Chemical Engineering Journal, 2014, 250, 274-287. | 12.7 | 92 |
| 100 | Heterogeneously catalyzed etherification of glycerol to diglycerol over calciumâ€“lanthanum oxide supported on MCM-41: A heterogeneous basic catalyst. Applied Catalysis A: General, 2014, 479, 76-86. | 4.3 | 32 |
| 101 | The Production, Optimization, and Characterization of Biodiesel from a Novel Source: Sinapis alba L. International Journal of Green Energy, 2014, 11, 280-291. | 3.8 | 19 |
| 102 | Effect of 1,3,5-trimethylbenzene dosage on the characteristics and activity of Fe(III) loaded mesocellular foam catalyst in the degradation of acid red B dye in aqueous solution. Applied Catalysis A: General, 2014, 483, 1-9. | 4.3 | 6 |
| 103 | Application of chitosan and its derivatives as adsorbents for dye removal from water and wastewater: A review. Carbohydrate Polymers, 2014, 113, 115-130. | 10.2 | 844 |
| 104 | Dealing with the surplus of glycerol production from biodiesel industry through catalytic upgrading to polyglycerols and other value-added products. Renewable and Sustainable Energy Reviews, 2014, 39, 327-341. | 16.4 | 135 |
| 105 | Low frequency sonocatalytic degradation of Azo dye in water using Fe-doped zeolite Y catalyst. Ultrasonics Sonochemistry, 2014, 21, 743-753. | 8.2 | 26 |
| 106 | Oil palm trunk and sugarcane bagasse derived heterogeneous acid catalysts for production of fatty acid methyl esters. Energy, 2014, 70, 493-503. | 8.8 | 66 |
| 107 | Transition metal oxide loaded ZnO nanorods: Preparation, characterization and their UVâ€“vis photocatalytic activities. Separation and Purification Technology, 2014, 132, 378-387. | 7.9 | 76 |
| 108 | Artificial neural network approach for modeling of ultrasound-assisted transesterification process of crude Jatropha oil catalyzed by heteropolyacid based catalyst. Chemical Engineering and Processing: Process Intensification, 2014, 75, 31-37. | 3.6 | 30 |

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| 109 | Performance of lithium modified zeolite Y catalyst in solvent-free conversion of glycerol to polyglycerols. Journal of Taibah University for Science, 2014, 8, 231-235. | 2.5 | 16 |
| 110 | Lithium modified zeolite synthesis for conversion of biodiesel-derived glycerol to polyglycerol. , 2014, , . | | 0 |
| 111 | Oil Palm Biomass as an Adsorbent for Heavy Metals. Reviews of Environmental Contamination and Toxicology, 2014, 232, 61-88. | 1.3 | 21 |
| 112 | Synthesis and Characterization of Mesostructured Cellular Foam (MCF) Silica Loaded with Nickel Nanoparticles as a Novel Catalyst. Materials Sciences and Applications, 2013, 04, 52-62. | 0.4 | 6 |
| 113 | Efficient Photodegradation of Endocrine-Disrupting Chemicals with Bi2O3â€“ZnO Nanorods Under a Compact Fluorescent Lamp. Water, Air, and Soil Pollution, 2013, 224, 1. | 2.4 | 25 |
| 114 | Biosorption of Pb(II) and Fe(III) from Aqueous Solutions Using Oil Palm Biomasses as Adsorbents. Water, Air, and Soil Pollution, 2013, 224, 1. | 2.4 | 13 |
| 115 | Efficient photodegradation of resorcinol with Ag2O/ZnO nanorods heterostructure under a compact fluorescent lamp irradiation. Chemical Papers, 2013, 67, . | 2.2 | 35 |
| 116 | Investigation on visible-light photocatalytic degradation of 2,4-dichlorophenoxyacetic acid in the presence of MoO3/ZnO nanorod composites. Journal of Molecular Catalysis A, 2013, 370, 123-131. | 4.8 | 80 |
| 117 | Intensification of biodiesel production from vegetable oils using ultrasonic-assisted process: Optimization and kinetic. Chemical Engineering and Processing: Process Intensification, 2013, 73, 135-143. | 3.6 | 48 |
| 118 | ZnO nanorods surface-decorated by WO3 nanoparticles for photocatalytic degradation of endocrine disruptors under a compact fluorescent lamp. Ceramics International, 2013, 39, 2343-2352. | 4.8 | 56 |
| 119 | Glycerol etherification to polyglycerols using Ca1+xAl1â^'xLaxO3 composite catalysts in a solventless medium. Journal of the Taiwan Institute of Chemical Engineers, 2013, 44, 117-122. | 5.3 | 30 |
| 120 | Prospects and current status of B5 biodiesel implementation in Malaysia. Energy Policy, 2013, 62, 456-462. | 8.8 | 22 |
| 121 | An Alternative Route for the Preparation of Sulfated Zirconia Loaded on Alumina (SZA) for Biodiesel Production: An Optimization Study. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2013, 35, 1296-1305. | 2.3 | 2 |
| 122 | Optimization of biodiesel production process from Jatropha oil using supported heteropolyacid catalyst and assisted by ultrasonic energy. Renewable Energy, 2013, 50, 427-432. | 8.9 | 80 |
| 123 | Green hydrothermal synthesis of ZnO nanotubes for photocatalytic degradation of methylparaben. Materials Letters, 2013, 93, 423-426. | 2.6 | 41 |
| 124 | Ultrasound-assisted transesterification of crude Jatropha oil using cesium doped heteropolyacid catalyst: Interactions between process variables. Energy, 2013, 60, 283-291. | 8.8 | 39 |
| 125 | LiOH-modified montmorillonite K-10 as catalyst for selective glycerol etherification to diglycerol. Catalysis Communications, 2013, 34, 22-25. | 3.3 | 29 |
| 126 | Effect of carbon and nitrogen co-doping on characteristics and sonocatalytic activity of TiO2 nanotubes catalyst for degradation of Rhodamine B in water. Chemical Engineering Journal, 2013, 214, 129-138. | 12.7 | 82 |

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| 127 | Ultrasound-assisted transesterification of crude Jatropha oil using alumina-supported heteropolyacid catalyst. Applied Energy, 2013, 105, 380-388. | 10.1 | 73 |
| 128 | Elucidation of Reaction Behaviors in Sonocatalytic Decolorization of Amaranth Dye in Water Using Zeolite Y Co-Incorporated with Fe and TiO<sub>2</sub>. Advances in Chemical Engineering and Science, 2013, 03, 113-122. | 0.5 | 12 |
| 129 | Etherification of glycerol to polyglycerols over hydrotalcite catalyst prepared using a combustion method. Catalysis Communications, 2013, 32, 67-70. | 3.3 | 19 |
| 130 | Current Status of Textile Industry Wastewater Management and Research Progress in Malaysia: A Review. Clean - Soil, Air, Water, 2013, 41, 751-764. | 1.1 | 187 |
| 131 | Diglycerol synthesis via solvent-free selective glycerol etherification process over lithium-modified clay catalyst. Chemical Engineering Journal, 2013, 225, 784-789. | 12.7 | 39 |
| 132 | Fe3+ doped TiO2 nanotubes for combined adsorptionâ€“sonocatalytic degradation of real textile wastewater. Applied Catalysis B: Environmental, 2013, 129, 473-481. | 20.2 | 139 |
| 133 | Photocatalytic degradation of resorcinol, an endocrine disrupter, by TiO2and ZnO suspensions. Environmental Technology (United Kingdom), 2013, 34, 1097-1106. | 2.2 | 40 |
| 134 | La Loaded TiO<sub>2</sub>Encapsulated Zeolite Y Catalysts: Investigating the Characterization and Decolorization Process of Amaranth Dye. Journal of Engineering (United States), 2013, 2013, 1-10. | 1.0 | 6 |
| 135 | Effects of functionalization conditions of sulfonic acid grafted SBA-15 on catalytic activity in the esterification of glycerol to monoglyceride: a factorial design approach. Journal of Porous Materials, 2012, 19, 835-846. | 2.6 | 15 |
| 136 | Intensification of biodiesel production via ultrasonic-assisted process: A critical review on fundamentals and recent development. Renewable and Sustainable Energy Reviews, 2012, 16, 4574-4587. | 16.4 | 92 |
| 137 | The effect of organic loading rates and nitrogenous compounds on the aerobic granules developed using low strength wastewater. Biochemical Engineering Journal, 2012, 67, 52-59. | 3.6 | 61 |
| 138 | Zeolite Y encapsulated with Fe-TiO2 for ultrasound-assisted degradation of amaranth dye in water. Journal of Hazardous Materials, 2012, 233-234, 184-193. | 12.4 | 39 |
| 139 | Effect of low Fe3+ doping on characteristics, sonocatalytic activity and reusability of TiO2 nanotubes catalysts for removal of Rhodamine B from water. Journal of Hazardous Materials, 2012, 235-236, 326-335. | 12.4 | 81 |
| 140 | Degradation of wastewaters containing organic dyes photocatalysed by zinc oxide: a review. Desalination and Water Treatment, 2012, 41, 131-169. | 1.0 | 359 |
| 141 | A study of no conversion into No<sub>2</sub> and N<sub>2</sub>O over Co<sub>3</sub>O<sub>4</sub> catalyst. Environmental Progress and Sustainable Energy, 2012, 31, 553-557. | 2.3 | 7 |
| 142 | Sugar cane bagasse as solid catalyst for synthesis of methyl esters from palm fatty acid distillate. Chemical Engineering Journal, 2012, 183, 104-107. | 12.7 | 69 |
| 143 | Quality evaluation of biodiesel produced through ultrasound-assisted heterogeneous catalytic system. Fuel Processing Technology, 2012, 97, 1-8. | 7.2 | 51 |
| 144 | Synthesis of oxygenated fuel additives via the solventless etherification of glycerol. Bioresource Technology, 2012, 112, 308-312. | 9.6 | 85 |

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| 145 | Critical review on the current scenario and significance of crude glycerol resulting from biodiesel industry towards more sustainable renewable energy industry. Renewable and Sustainable Energy Reviews, 2012, 16, 2671-2686. | 16.4 | 446 |
| 146 | Comparative study on the process behavior and reaction kinetics in sonocatalytic degradation of organic dyes by powder and nanotubes TiO2. Ultrasonics Sonochemistry, 2012, 19, 642-651. | 8.2 | 77 |
| 147 | The Optimization of Electrical Conductivity Using Central Composite Design for Polyvinyl Alcohol/Multiwalled Carbon Nanotube-Manganese Dioxide Nanofiber Composites Synthesised by Electrospinning. Journal of Applied Sciences, 2012, 12, 345-353. | 0.3 | 6 |
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