# Zakaria Man

List of Publications by Year
in descending order

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| 145 | 5,139 | 61857 | 106150 |
|---|---|---|---|
| papers | citations | 43 h-index | 65 g-index |

| 145 | 145 | 145 | 5505 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A review on geopolymers as emerging materials for the adsorption of heavy metals and dyes. Journal of Environmental Management, 2018, 224, 327-339. | 3.8 | 301 |
| 2 | Preparation of Cellulose Nanocrystals Using an Ionic Liquid. Journal of Polymers and the Environment, 2011, 19, 726-731. | 2.4 | 180 |
| 3 | Biodiesel production from waste cooking oil by acidic ionic liquid as a catalyst. Renewable Energy, 2015, 77, 521-526. | 4.3 | 149 |
| 4 | Efficient conversion of lignocellulosic biomass to levulinic acid using acidic ionic liquids. Carbohydrate Polymers, 2018, 181, 208-214. | 5.1 | 119 |
| 5 | A comprehensive review on biodegradable polymers and their blends used in controlled-release fertilizer processes. Reviews in Chemical Engineering, 2015, 31, . | 2.3 | 114 |
| 6 | Synthesis and Physical Properties of Choline Carboxylate Ionic Liquids. Journal of Chemical & Engineering Data, 2012, 57, 2191-2196. | 1.0 | 111 |
| 7 | Extraction of dibenzothiophene from dodecane using ionic liquids. Fuel Processing Technology, 2012, 93, 85-89. | 3.7 | 109 |
| 8 | Recent progress in integrated fixed-film activated sludge process for wastewater treatment: A review. Journal of Environmental Management, 2020, 268, 110718. | 3.8 | 107 |
| 9 | Solubility of CO2 in pyridinium based ionic liquids. Chemical Engineering Journal, 2012, 189-190, 94-100. | 6.6 | 105 |
| 10 | Effective removal of methylene blue from water using phosphoric acid based geopolymers: synthesis, characterizations and adsorption studies. RSC Advances, 2015, 5, 61410-61420. | 1.7 | 103 |
| 11 | BrÃ¸nsted imidazolium ionic liquids: Synthesis and comparison of their catalytic activities as pre-catalyst for biodiesel production through two stage process. Energy Conversion and Management, 2011, 52, 804-809. | 4.4 | 100 |
| 12 | Separation of CO2 from CH4 using polysulfone/polyimide silica nanocomposite membranes. Separation and Purification Technology, 2012, 90, 162-172. | 3.9 | 100 |
| 13 | Thermophysical properties of 1-alkylpyridinum bis(trifluoromethylsulfonyl)imide ionic liquids. Journal of Chemical Thermodynamics, 2010, 42, 491-495. | 1.0 | 99 |
| 14 | An overview of the role of ionic liquids in biodiesel reactions. Journal of Industrial and Engineering Chemistry, 2015, 21, 1-10. | 2.9 | 98 |
| 15 | Fly ash based geopolymer for the adsorption of anionic surfactant from aqueous solution. Journal of Cleaner Production, 2019, 229, 232-243. | 4.6 | 91 |
| 16 | A review on ionic liquids as perspective catalysts in transesterification of different feedstock oil into biodiesel. Journal of Molecular Liquids, 2018, 266, 673-686. | 2.3 | 90 |
| 17 | Dicationic ionic liquids as sustainable approach for direct conversion of cellulose to levulinic acid. Journal of Cleaner Production, 2018, 170, 591-600. | 4.6 | 82 |
| 18 | Dissolution and Delignification of Bamboo Biomass Using Amino Acid-Based Ionic Liquid. Applied Biochemistry and Biotechnology, 2011, 165, 998-1009. | 1.4 | 81 |

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|---|---|---|---|
| 19 | Effects of Parameters on the Setting Time of Fly Ash Based Geopolymers Using Taguchi Method. Procedia Engineering, 2016, 148, 302-307. | 1.2 | 80 |
| 20 | The pyrolysis kinetics of the conversion of Malaysian kaolin to metakaolin. Applied Clay Science, 2017, 146, 152-161. | 2.6 | 78 |
| 21 | Preparation and kinetics study of biodiesel production from waste cooking oil using new functionalized ionic liquids as catalysts. Renewable Energy, 2017, 114, 755-765. | 4.3 | 78 |
| 22 | Sodium silicate-free geopolymers as coating materials: Effects of Na/Al and water/solid ratios on adhesion strength. Ceramics International, 2015, 41, 2794-2805. | 2.3 | 74 |
| 23 | Kinetics and thermodynamic parameters of ionic liquid pretreated rubber wood biomass. Journal of Molecular Liquids, 2016, 223, 754-762. | 2.3 | 73 |
| 24 | Ionic liquidâ€"a future solvent for the enhanced uses of wood biomass. European Journal of Wood and Wood Products, 2012, 70, 125-133. | 1.3 | 72 |
| 25 | The effect of incorporating ionic liquid into polyethersulfone-SAPO34 based mixed matrix membrane on CO2 gas separation performance. Separation and Purification Technology, 2014, 135, 252-258. | 3.9 | 67 |
| 26 | Dicationic imidazolium based ionic liquids: Synthesis and properties. Journal of Molecular Liquids, 2017, 227, 98-105. | 2.3 | 67 |
| 27 | A new approach of probe sonication assisted ionic liquid conversion of glucose, cellulose and biomass into 5-hydroxymethylfurfural. Ultrasonics Sonochemistry, 2017, 37, 310-319. | 3.8 | 64 |
| 28 | Characterization of Waste Palm Cooking Oil for Biodiesel Production. International Journal of Chemical Engineering and Applications (IJCEA), 2014, 5, 134-137. | 0.3 | 64 |
| 29 | Effects of Phase Separation Behavior on Morphology and Performance of Polycarbonate Membranes. Membranes, 2017, 7, 21. | 1.4 | 63 |
| 30 | Investigations of novel nitrile-based ionic liquids as pre-treatment solvent for extraction of lignin from bamboo biomass. Journal of Industrial and Engineering Chemistry, 2013, 19, 207-214. | 2.9 | 62 |
| 31 | Effect of Ionic Liquid Treatment on Pyrolysis Products from Bamboo. Industrial & Engineering Chemistry Research, 2012, 51, 2280-2289. | 1.8 | 60 |
| 32 | Review and selection criteria of classical thermodynamic models for acid gas absorption in aqueous alkanolamines. Reviews in Chemical Engineering, 2015, 31, . | 2.3 | 60 |
| 33 | Thermophysical Properties of 1-Propyronitrile-3-alkylimidazolium Bromide Ionic Liquids at Temperatures from (293.15 to 353.15) K. Journal of Chemical & Engineering Data, 2010, 55, 3886-3890. | 1.0 | 59 |
| 34 | Impact of Ball-Milling Pretreatment on Pyrolysis Behavior and Kinetics of Crystalline Cellulose. Waste and Biomass Valorization, 2016, 7, 571-581. | 1.8 | 58 |
| 35 | A BrÃ¸nsted ammonium ionic liquid-KOH two-stage catalyst for biodiesel synthesis from crude palm oil. Industrial Crops and Products, 2013, 41, 144-149. | 2.5 | 57 |
| 36 | Geopolymerization kinetics of fly ash based geopolymers using JMAK model. Ceramics International, 2016, 42, 15575-15584. | 2.3 | 57 |

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|---|---|---|---|
| 37 | Thermophysical properties of concentrated aqueous solution of N -methyldiethanolamine (MDEA), piperazine (PZ), and ionic liquids hybrid solvent for CO 2 capture. Journal of Molecular Liquids, 2017, 229, 221-229. | 2.3 | 54 |
| 38 | Structure and Dynamic Mechanical Properties of Melt Intercalated Polyamide 6â€"Montmorillonite Nanocomposites. Macromolecular Materials and Engineering, 2006, 291, 917-928. | 1.7 | 48 |
| 39 | Effect of Coating Thickness on Release Characteristics of Controlled Release Urea Produced in Fluidized Bed Using Waterborne Starch Biopolymer as Coating Material. Procedia Engineering, 2016, 148, 282-289. | 1.2 | 48 |
| 40 | Effect of varying solvents compositions on morphology and gas permeation properties on membranes blends for CO2 separation from natural gas. Journal of Membrane Science, 2011, 378, 444-452. | 4.1 | 47 |
| 41 | Synthesis, characterization and the effect of temperature on different physicochemical properties of protic ionic liquids. RSC Advances, 2015, 5, 71449-71461. | 1.7 | 47 |
| 42 | Extraction of valuable chemicals from sustainable rice husk waste using ultrasonic assisted ionic liquids technology. Journal of Cleaner Production, 2019, 220, 620-629. | 4.6 | 47 |
| 43 | Preparation of asymmetric polysulfone/polyimide blended membranes for CO2 separation. Korean Journal of Chemical Engineering, 2011, 28, 2050-2056. | 1.2 | 44 |
| 44 | Dissolution and Separation of Wood Biopolymers Using Ionic Liquids. ChemBioEng Reviews, 2015, 2, 257-278. | 2.6 | 43 |
| 45 | Effect of fixed carbon molecular sieve (CMS) loading and various di-ethanolamine (DEA) concentrations on the performance of a mixed matrix membrane for CO<sub>2</sub>/CH<sub>4</sub> separation. RSC Advances, 2015, 5, 60814-60822. | 1.7 | 43 |
| 46 | Improvement of Hydrophobicity of Urea Modified Tapioca Starch Film with Lignin for Slow Release Fertilizer. Advanced Materials Research, 0, 626, 350-354. | 0.3 | 42 |
| 47 | Surface modification in inorganic filler of mixed matrix membrane for enhancing the gas separation performance. Reviews in Chemical Engineering, 2016, 32, . | 2.3 | 42 |
| 48 | Potential Biosorbent Derived fromCalligonum polygonoidesfor Removal of Methylene Blue Dye from Aqueous Solution. Scientific World Journal, The, 2015, 2015, 1-11. | 0.8 | 41 |
| 49 | Thermophysical Properties of Dual Functionalized Imidazolium-Based Ionic Liquids. Journal of Chemical & Engineering Data, 2012, 57, 737-743. | 1.0 | 40 |
| 50 | Synthesis and Thermophysical Properties of Hydrogensulfate Based Acidic Ionic Liquids. Journal of Solution Chemistry, 2015, 44, 875-889. | 0.6 | 40 |
| 51 | Mixed matrix membrane performance enhancement using alkanolamine solution. Journal of Membrane Science, 2015, 483, 84-93. | 4.1 | 39 |
| 52 | Latest Development on Membrane Fabrication for Natural Gas Purification: A Review. Journal of Engineering (United States), 2013, 2013, 1-7. | 0.5 | 38 |
| 53 | High-pressure absorption study of CO 2 in aqueous N -methyldiethanolamine (MDEA) and MDEA-piperazine (PZ)-1-butyl-3-methylimidazolium trifluoromethanesulfonate [bmim][OTf] hybrid solvents. Journal of Molecular Liquids, 2018, 249, 1236-1244. | 2.3 | 36 |
| 54 | Synthesis, characterization and physicochemical properties of dual-functional acidic ionic liquids. Journal of Molecular Liquids, 2016, 223, 81-88. | 2.3 | 32 |

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|---|---|---|---|
| 55 | Probe sonication assisted ionic liquid treatment for rapid dissolution of lignocellulosic biomass. Cellulose, 2020, 27, 2135-2148. | 2.4 | 32 |
| 56 | Simultaneous preparation of nano silica and iron oxide from palm oil fuel ash and thermokinetics of template removal. RSC Advances, 2015, 5, 20788-20799. | 1.7 | 31 |
| 57 | Optimization of ionic liquid assisted sugar conversion and nanofiltration membrane separation for 5-hydroxymethylfurfural. Journal of Industrial and Engineering Chemistry, 2019, 69, 171-178. | 2.9 | 31 |
| 58 | A study on carbon dioxide removal by blending the ionic liquid in membrane synthesis. Separation and Purification Technology, 2018, 196, 20-26. | 3.9 | 30 |
| 59 | Kinetics of thermal degradation of polysulfone/polyimide blended polymeric membranes. Journal of Applied Polymer Science, 2012, 123, 3755-3763. | 1.3 | 27 |
| 60 | Composite blending of ionic liquidâ€“poly(ether sulfone) polymeric membranes: Green materials with potential for carbon dioxide/methane separation. Journal of Applied Polymer Science, 2016, 133, . | 1.3 | 27 |
| 61 | Thermal Stability and Kinetic Study of Benzimidazolium Based Ionic Liquid. Procedia Engineering, 2016, 148, 215-222. | 1.2 | 26 |
| 62 | Polycarbonate/silica nanocomposite membranes: Fabrication, characterization, and performance evaluation. Journal of Applied Polymer Science, 2017, 134, 45310. | 1.3 | 24 |
| 63 | Perylene based novel mixed matrix membranes with enhanced selective pure and mixed gases (CO2, CH4,) Tj ETQq1 1 0.784314 rgBT | 2.1 | 24 |
| 64 | Synthesis, Characterization, Physical Properties, and Cytotoxicities of 1-(6-Hydroxyhexyl)-3-alkylimidazolium Chloride Ionic Liquids. Journal of Chemical & Engineering Data, 2011, 56, 4188-4193. | 1.0 | 23 |
| 65 | Synthesis and Thermophysical Properties of Imidazolium-Based Bronsted Acidic Ionic Liquids. Journal of Chemical & Engineering Data, 2014, 59, 579-584. | 1.0 | 23 |
| 66 | Effect of Water and [Emim][OAc] as Plasticizer on Gelatinization of Starch. Procedia Engineering, 2016, 148, 524-529. | 1.2 | 23 |
| 67 | Modelling in mixed matrix membranes for gas separation. Canadian Journal of Chemical Engineering, 2015, 93, 88-95. | 0.9 | 22 |
| 68 | Effect of Solid to Liquid Ratio on the Mechanical and Physical Properties of Fly Ash Geopolymer without Sodium Silicate. Applied Mechanics and Materials, 0, 625, 46-49. | 0.2 | 21 |
| 69 | Carbon Dioxide Solubility in Aqueous Potassium Lysinate Solutions: High Pressure Data and Thermodynamic Modeling. Procedia Engineering, 2016, 148, 1303-1311. | 1.2 | 21 |
| 70 | Thermophysical properties of aqueous N -methyldiethanolamine (MDEA) and ionic liquids 1-butyl-3-methylimidazolium trifluoromethanesulfonate [bmim][OTf], 1-butyl-3-methylimidazolium acetate [bmim][Ac] hybrid solvents for CO 2 capture. Chemical Engineering Research and Design, 2017, 121, 69-80. | 2.7 | 21 |
| 71 | Effect of Structural Variations on the Thermophysical Properties of Protic Ionic Liquids: Insights from Experimental and Computational Studies. Journal of Chemical & Engineering Data, 2017, 62, 2993-3003. | 1.0 | 21 |
| 72 | Effect of silane coupling agents on properties and performance of polycarbonate/silica MMMs. Polymer Testing, 2019, 73, 159-170. | 2.3 | 21 |

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|---|---|---|---|
| 73 | Influence of interfacial layer parameters on gas transport properties through modeling approach in MWCNTs based mixed matrix composite membranes. Chemical Engineering Science, 2020, 218, 115543. | 1.9 | 21 |
| 74 | Thermophysical properties and ecotoxicity of new nitrile functionalised protic ionic liquids. Journal of Molecular Liquids, 2018, 249, 583-590. | 2.3 | 20 |
| 75 | Parametric study of tumbling fluidized bed to evaluate nitrogen release characteristics of biopolymer-coated controlled release urea. Chemical Engineering Communications, 2018, 205, 1397-1414. | 1.5 | 20 |
| 76 | Studies on the Thermal Degradation Behavior of Ionic Liquid Regenerated Cellulose. Waste and Biomass Valorization, 2010, 1, 315-321. | 1.8 | 19 |
| 77 | Lignin reinforcement of urea-crosslinked starch films for reduction of starch biodegradability to improve slow nitrogen release properties under natural aerobic soil condition. E-Polymers, 2016, 16, 159-170. | 1.3 | 19 |
| 78 | A Detail Description on Catalytic Conversion of Waste Palm Cooking Oil into Biodiesel and Its Derivatives: New Functionalized Ionic Liquid Process. ChemistrySelect, 2017, 2, 8583-8595. | 0.7 | 19 |
| 79 | A Study on Thermal Behaviour of Thermoplastic Starch Plasticized by [Emim] Ac and by [Emim] Cl. Procedia Engineering, 2017, 184, 567-572. | 1.2 | 19 |
| 80 | Thermophysical Properties of Aqueous 1-Butyl-3-Methylimidazolium Acetate [BMIM] [AC] + Monoethanolamine (MEA) Hybrid as a Solvent for CO2 Capture. Procedia Engineering, 2016, 148, 1326-1331. | 1.2 | 17 |
| 81 | Effect of Na/Al and Si/Al Ratios on Adhesion Strength of Geopolymers as Coating Material. Applied Mechanics and Materials, 0, 625, 85-89. | 0.2 | 16 |
| 82 | Modified Bruggeman models for prediction of CO<sub>2</sub> permeance in polycarbonate/silica nanocomposite membranes. Canadian Journal of Chemical Engineering, 2017, 95, 2398-2409. | 0.9 | 16 |
| 83 | Lignin macromolecule's implication in slowing the biodegradability of ureaâ€crosslinked starch films applied as slowâ€release fertilizer. Starch/Staerke, 2017, 69, 1600362. | 1.1 | 16 |
| 84 | Nutrient release characteristics and coating homogeneity of biopolymer coated urea as a function of fluidized bed process variables. Canadian Journal of Chemical Engineering, 2017, 95, 849-862. | 0.9 | 16 |
| 85 | Release kinetics study and anti-corrosion behaviour of a pH-responsive ionic liquid-loaded halloysite nanotube-doped epoxy coating. RSC Advances, 2020, 10, 13174-13184. | 1.7 | 16 |
| 86 | Experimental measurements and modelling of carbon dioxide solubility in aqueous AMP/MDEA and Piperazine/MDEA blends. Fluid Phase Equilibria, 2018, 463, 142-148. | 1.4 | 13 |
| 87 | Calligonum polygonoidesbiomass as a low-cost adsorbent: surface characterization and methylene blue adsorption characteristics. Desalination and Water Treatment, 2016, 57, 7345-7357. | 1.0 | 12 |
| 88 | Surface modification effect of carbon molecular sieve (CMS) on the morphology and separation performance of mixed matrix membranes. Polymer Testing, 2019, 80, 106152. | 2.3 | 12 |
| 89 | Density and Surface Tension of Ionic Liquids [H<sub>2</sub>Nâ€“C<sub>2</sub>mim][PF<sub>6</sub>] and [H<sub>2</sub>Nâ€“C<sub>3</sub>mim][PF<sub>6</sub>]. Journal of Chemical & Engineering Data, 2012, 57, 2923-2927. | 1.0 | 11 |
| 90 | Evaluation of catalytic activityâ€‰of two functionalized imidazolium ionic liquids for biodieselâ€‰fuel production by a two-stage process. Journal of Chemical Technology and Biotechnology, 2014, 89, 998-1006. | 1.6 | 11 |

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|---|---|---|---|
| 91 | Effect of Carbon Molecular Sieve (CMS) Concentration on Mixed Matrix Membranes (MMMs) Performance for Carbon Dioxide Removal. Applied Mechanics and Materials, 0, 754-755, 869-873. | 0.2 | 11 |
| 92 | Experimental Measurement and Thermodynamic Modeling of the Solubility of Carbon Dioxide in Aqueous Alkanolamine Solutions in the High Gas Loading Region. International Journal of Thermophysics, 2016, 37, 1. | 1.0 | 11 |
| 93 | Prediction of gas transport across amine mixed matrix membranes with ideal morphologies based on the Maxwell model. RSC Advances, 2016, 6, 30130-30138. | 1.7 | 11 |
| 94 | Reconciliation of outliers in CO2-alkanolamine-H2O datasets by robust neural network winsorization. Neural Computing and Applications, 2017, 28, 2621-2632. | 3.2 | 11 |
| 95 | Electrochemical Performance of Cathode LiVOPO<sub>4</sub>Doped with Mo and W. Transactions of the Indian Ceramic Society, 2013, 72, 108-112. | 0.4 | 10 |
| 96 | Benzene and Cyclohexane Separation Using 1-Propanenitrile-3-butylimidazolium Dicyanamide Ionic Liquid. Advanced Materials Research, 0, 879, 58-62. | 0.3 | 10 |
| 97 | High pressure solubility of carbon dioxide (CO2) in aqueous solution of piperazine (PZ) activated N-methyldiethanolamine (MDEA) solvent for CO2 capture. AIP Conference Proceedings, 2017, , . | 0.3 | 10 |
| 98 | Predicting CO<sub>2</sub> Permeation through an Enhanced Ionic Liquid Mixed Matrix Membrane (IL3M). International Journal of Chemical Engineering, 2019, 2019, 1-10. | 1.4 | 10 |
| 99 | DEVELOPMENT OF POLYSULFONE-CARBON MOLECULAR SIEVES MIXED MATRIX MEMBRANES FOR <font>CO</font><sub>2</sub> REMOVAL FROM NATURAL GAS. , 2009, , . | | 9 |
| 100 | Lignin Modified Urea Fertilizer's Biodegradation and Nitrogen Release under Reduced Soil Condition. Applied Mechanics and Materials, 0, 699, 981-987. | 0.2 | 9 |
| 101 | Preparation and characterisation of Citrulus colocynthis oil biodiesel: Optimisation of alkaliâ€catalysed transesterification. Canadian Journal of Chemical Engineering, 2014, 92, 435-440. | 0.9 | 9 |
| 102 | Suitability of Malaysian Fly Ash for Geopolymer Synthesis. Advanced Materials Research, 0, 1133, 201-205. | 0.3 | 9 |
| 103 | Kraft lignin ameliorates degradation resistance of starch in urea delivery biocomposites. Polymer Testing, 2018, 65, 398-406. | 2.3 | 9 |
| 104 | Starch Biodegradation in a Lignin Modified Slow Release Fertilizer: Effect of Thickness. Applied Mechanics and Materials, 0, 625, 830-833. | 0.2 | 8 |
| 105 | Tumbling fluidized-bed process parameters affecting quality of biopolymer coating on surface of pristine urea particles. Powder Technology, 2017, 320, 714-725. | 2.1 | 8 |
| 106 | Extraction and Comparative Analysis of Lignin Extract from Alkali and Ionic Liquid Pretreatment. Journal of Physics: Conference Series, 2018, 1123, 012052. | 0.3 | 8 |
| 107 | Alkyd paint removal: Ionic liquid vs volatile organic compound (VOC). Progress in Organic Coatings, 2018, 122, 79-87. | 1.9 | 8 |
| 108 | Composite amine mixed matrix membranes for high-pressure CO<sub>2</sub>-CH<sub>4</sub>separation: synthesis, characterization and performance evaluation. Royal Society Open Science, 2020, 7, 200795. | 1.1 | 8 |

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|---|---|---|---|
| 109 | Preparation of Biodiesel from Waste Cooking Oil Catalyzed by Basic Ionic Liquid. Applied Mechanics and Materials, 0, 625, 874-876. | 0.2 | 7 |
| 110 | [EMIM][Tf2N]-Modified Silica as Filler in Mixed Matrix Membrane for Carbon Dioxide Separation. Membranes, 2021, 11, 371. | 1.4 | 7 |
| 111 | Sodium Silicate Free Geopolymer As Coating Material: Adhesion To Steel. , 0, , . | | 7 |
| 112 | Influence of Citric Acid and Curing Time on Water Uptake. Applied Mechanics and Materials, 0, 625, 123-126. | 0.2 | 6 |
| 113 | Monitoring of Chemical Speciation of DEA â€“ CO<sub>2</sub> â€“ Water System by Raman Spectroscopy. Advanced Materials Research, 2015, 1113, 358-363. | 0.3 | 6 |
| 114 | A hybrid equation of state and Kent-Eisenberg model for accurate prediction of carbon dioxide separation by aqueous alkanolamines. Separation Science and Technology, 2016, 51, 2744-2755. | 1.3 | 6 |
| 115 | Effect of pore forming agents on geopolymer porosity and mechanical properties. AIP Conference Proceedings, 2018, , . | 0.3 | 6 |
| 116 | Ionic Liquid Polymeric Membrane: Synthesis, Characterization & Performance Evaluation. Key Engineering Materials, 2013, 594-595, 18-23. | 0.4 | 5 |
| 117 | Water Uptake Behavior of Lignin Modified Starch Film. Applied Mechanics and Materials, 0, 699, 204-209. | 0.2 | 5 |
| 118 | An acidic ionic liquid-conventional alkali-catalyzed biodiesel production process. Korean Journal of Chemical Engineering, 2014, 31, 431-435. | 1.2 | 5 |
| 119 | Experimental measurement and thermodynamic modeling of the solubility of carbon dioxide in aqueous blends of monoethanolamine and diethanolamine. AIP Conference Proceedings, 2017, , . | 0.3 | 5 |
| 120 | Swelling mechanism of urea cross-linked starchâ€“lignin films in water. Environmental Technology (United Kingdom), 2018, 39, 1522-1532. | 1.2 | 5 |
| 121 | Physicochemical Properties of the Protic Ionic Liquid Bis(2-hydroxyethyl)methylammonium Formate. Journal of Solution Chemistry, 2012, 41, 1802-1811. | 0.6 | 4 |
| 122 | Effect of Curing Conditions on the Mechanical Properties of Fly Ash-Based Geopolymer without Sodium Silicate Solution. Applied Mechanics and Materials, 0, 699, 15-19. | 0.2 | 4 |
| 123 | Gas Permeation Models in Mixed Matrix Membranes for Gas Separation. Advanced Materials Research, 0, 917, 317-324. | 0.3 | 4 |
| 124 | Lignin Effect on Tensile Properties of Biodegradable Urea-Crosslinked Starch in Aerobic Soil Microcosm. Advanced Materials Research, 0, 1133, 45-49. | 0.3 | 4 |
| 125 | A Short Review of Infra-Red Spectroscopic Studies of Geopolymers. Advanced Materials Research, 0, 1133, 231-235. | 0.3 | 4 |
| 126 | Comparative Study of Linear Co-Volume Based Mixing Rules for Equation of State/ Excess Gibbs Energy (EOS/G<sup>E</sup>) Models for CO<sub>2</sub> â€“ MEA and CO<sub>2</sub> â€“ MDEA Systems. Applied Mechanics and Materials, 0, 625, 541-544. | 0.2 | 3 |

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|---|---|---|---|
| 127 | Effects of Ionic Liquid Blending in Polymeric Membrane: Physical Properties and Performance Evaluation. Applied Mechanics and Materials, 0, 625, 680-684. | 0.2 | 3 |
| 128 | Determination of Chemical Species in MDEA â€“ Carbon Dioxide â€“ Water System by Raman Spectroscopy. Advanced Materials Research, 2015, 1113, 261-266. | 0.3 | 3 |
| 129 | A Fugacity Corrected Thermodynamic Framework for Aqueous Alkanolamine Solutions. Journal of Solution Chemistry, 2016, 45, 546-559. | 0.6 | 3 |
| 130 | Modified e-LCVM EoS/GE Thermodynamic Model for Carbon Dioxide â€“ MDEA â€“ Water System. Procedia Engineering, 2016, 148, 902-907. | 1.2 | 3 |
| 131 | Pyrolysis Kinetics of 1-Propyronitrile Imidazolium Trifluoroacetate Ionic Liquid Using Thermogravimetric Analysis. Procedia Engineering, 2016, 148, 1332-1339. | 1.2 | 3 |
| 132 | VLE Determination of Carbon Dioxide Loaded Aqueous Alkanolamine Mixtures Using Modified Kent Eisenberg Model. Zeitschrift Fur Physikalische Chemie, 2017, 231, 1891-1908. | 1.4 | 3 |
| 133 | Conversion of biomass to chemicals using ionic liquids. , 2020, , 1-30. | | 3 |
| 134 | Effect of Ball Milling on the Catalytic Conversion of Cellulose to Levulinic Acid. Applied Mechanics and Materials, 0, 625, 353-356. | 0.2 | 2 |
| 135 | Fabrication and Characterization of Facilitated Transport Membrane for Gas Separation. Applied Mechanics and Materials, 0, 625, 533-536. | 0.2 | 2 |
| 136 | Effect of NaOH and Water Contents on Solidification of Sodium Silicate Free Geopolymer. Applied Mechanics and Materials, 0, 625, 3-6. | 0.2 | 2 |
| 137 | Ultrasonic assisted dissolution of bamboo biomass using ether-functionalized ionic liquid. AIP Conference Proceedings, 2018, , . | 0.3 | 2 |
| 138 | Preparation and Characterization of Blended Composite Membranes. Advanced Materials Research, 2012, 488-489, 506-510. | 0.3 | 1 |
| 139 | Lignin linked to slow biodegradability of urea-crosslinked starch in an anaerobic soil environment. E-Polymers, 2018, 18, 473-483. | 1.3 | 1 |
| 140 | Grindability and abrasive behavior of coal blends: analysis and prediction. International Journal of Coal Preparation and Utilization, 2019, , 1-27. | 1.2 | 1 |
| 141 | Microwave-assisted chemistry: parametric optimization for catalytic degradation of lignin model compounds in imidazolium-based ILs. Biomass Conversion and Biorefinery, 2023, 13, 1793-1803. | 2.9 | 1 |
| 142 | Recovery of 1-Butyl-3-Methylimidazolium-Based Ionic Liquids. Advanced Materials Research, 0, 879, 230-236. | 0.3 | 0 |
| 143 | Optimization of Coating Thickness in a Tangential Fluidized Bed. Applied Mechanics and Materials, 0, 625, 131-135. | 0.2 | 0 |
| 144 | Quantification of geopolymers production by chemical methods- A short review. AIP Conference Proceedings, 2015, , . | 0.3 | 0 |

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|---|---|---|---|
| 145 | Determination of anisotropy and multimorphology in fly ash based geopolymers. AIP Conference Proceedings, 2015, , . | 0.3 | 0 |