

Zakaria Man

List of Publications by Year in descending order

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145
papers

5,139
citations

61857

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106150

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145
docs citations

145
times ranked

5505
citing authors

#	ARTICLE	IF	CITATIONS
1	Microwave-assisted chemistry: parametric optimization for catalytic degradation of lignin model compounds in imidazolium-based ILs. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 1793-1803.	2.9	1
2	[EMIM][Tf2N]-Modified Silica as Filler in Mixed Matrix Membrane for Carbon Dioxide Separation. <i>Membranes</i> , 2021, 11, 371.	1.4	7
3	Perylene based novel mixed matrix membranes with enhanced selective pure and mixed gases (CO ₂ , CH ₄). <i>Tj ETQq</i> , 2021, 1, 0.784314 rgBT	2.1	24
4	Probe sonication assisted ionic liquid treatment for rapid dissolution of lignocellulosic biomass. <i>Cellulose</i> , 2020, 27, 2135-2148.	2.4	32
5	Influence of interfacial layer parameters on gas transport properties through modeling approach in MWCNTs based mixed matrix composite membranes. <i>Chemical Engineering Science</i> , 2020, 218, 115543.	1.9	21
6	Composite amine mixed matrix membranes for high-pressure CO ₂ -CH ₄ separation: synthesis, characterization and performance evaluation. <i>Royal Society Open Science</i> , 2020, 7, 200795.	1.1	8
7	Conversion of biomass to chemicals using ionic liquids. , 2020, , 1-30.		3
8	Release kinetics study and anti-corrosion behaviour of a pH-responsive ionic liquid-loaded halloysite nanotube-doped epoxy coating. <i>RSC Advances</i> , 2020, 10, 13174-13184.	1.7	16
9	Recent progress in integrated fixed-film activated sludge process for wastewater treatment: A review. <i>Journal of Environmental Management</i> , 2020, 268, 110718.	3.8	107
10	Surface modification effect of carbon molecular sieve (CMS) on the morphology and separation performance of mixed matrix membranes. <i>Polymer Testing</i> , 2019, 80, 106152.	2.3	12
11	Predicting CO ₂ Permeation through an Enhanced Ionic Liquid Mixed Matrix Membrane (IL3M). <i>International Journal of Chemical Engineering</i> , 2019, 2019, 1-10.	1.4	10
12	Fly ash based geopolymer for the adsorption of anionic surfactant from aqueous solution. <i>Journal of Cleaner Production</i> , 2019, 229, 232-243.	4.6	91
13	Extraction of valuable chemicals from sustainable rice husk waste using ultrasonic assisted ionic liquids technology. <i>Journal of Cleaner Production</i> , 2019, 220, 620-629.	4.6	47
14	Grindability and abrasive behavior of coal blends: analysis and prediction. <i>International Journal of Coal Preparation and Utilization</i> , 2019, , 1-27.	1.2	1
15	Effect of silane coupling agents on properties and performance of polycarbonate/silica MMMs. <i>Polymer Testing</i> , 2019, 73, 159-170.	2.3	21
16	Optimization of ionic liquid assisted sugar conversion and nanofiltration membrane separation for 5-hydroxymethylfurfural. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 69, 171-178.	2.9	31
17	Experimental measurements and modelling of carbon dioxide solubility in aqueous AMP/MDEA and Piperazine/MDEA blends. <i>Fluid Phase Equilibria</i> , 2018, 463, 142-148.	1.4	13
18	A study on carbon dioxide removal by blending the ionic liquid in membrane synthesis. <i>Separation and Purification Technology</i> , 2018, 196, 20-26.	3.9	30

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19	Swelling mechanism of urea cross-linked starch-lignin films in water. Environmental Technology (United Kingdom), 2018, 39, 1522-1532.	1.2	5
20	Efficient conversion of lignocellulosic biomass to levulinic acid using acidic ionic liquids. Carbohydrate Polymers, 2018, 181, 208-214.	5.1	119
21	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
22	Thermophysical properties and ecotoxicity of new nitrile functionalised protic ionic liquids. Journal of Molecular Liquids, 2018, 249, 583-590.	2.3	20
23	Kraft lignin ameliorates degradation resistance of starch in urea delivery biocomposites. Polymer Testing, 2018, 65, 398-406.	2.3	9
24	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
25	Extraction and Comparative Analysis of Lignin Extract from Alkali and Ionic Liquid Pretreatment. Journal of Physics: Conference Series, 2018, 1123, 012052.	0.3	8
26	Ultrasonic assisted dissolution of bamboo biomass using ether-functionalized ionic liquid. AIP Conference Proceedings, 2018, , .	0.3	2
27	Effect of pore forming agents on geopolymer porosity and mechanical properties. AIP Conference Proceedings, 2018, , .	0.3	6
28	Alkyd paint removal: Ionic liquid vs volatile organic compound (VOC). Progress in Organic Coatings, 2018, 122, 79-87.	1.9	8
29	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
30	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
31	Lignin linked to slow biodegradability of urea-crosslinked starch in an anaerobic soil environment. E-Polymers, 2018, 18, 473-483.	1.3	1
32	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
33	Reconciliation of outliers in CO ₂ -alkanolamine-H ₂ O datasets by robust neural network winsorization. Neural Computing and Applications, 2017, 28, 2621-2632.	3.2	11
34	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
35	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
36	Dicationic imidazolium based ionic liquids: Synthesis and properties. Journal of Molecular Liquids, 2017, 227, 98-105.	2.3	67

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37	Polycarbonate/silica nanocomposite membranes: Fabrication, characterization, and performance evaluation. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45310.	1.3	24
38	The pyrolysis kinetics of the conversion of Malaysian kaolin to metakaolin. <i>Applied Clay Science</i> , 2017, 146, 152-161.	2.6	78
39	VLE Determination of Carbon Dioxide Loaded Aqueous Alkanolamine Mixtures Using Modified Kent Eisenberg Model. <i>Zeitschrift Fur Physikalische Chemie</i> , 2017, 231, 1891-1908.	1.4	3
40	Thermophysical properties of aqueous N -methyl-diethanolamine (MDEA) and ionic liquids 1-butyl-3-methylimidazolium trifluoromethanesulfonate [bmim][OTf], 1-butyl-3-methylimidazolium acetate [bmim][Ac] hybrid solvents for CO ₂ capture. <i>Chemical Engineering Research and Design</i> , 2017, 121, 69-80.	2.7	21
41	High pressure solubility of carbon dioxide (CO ₂) in aqueous solution of piperazine (PZ) activated N-methyl-diethanolamine (MDEA) solvent for CO ₂ capture. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	10
42	Effect of Structural Variations on the Thermophysical Properties of Protic Ionic Liquids: Insights from Experimental and Computational Studies. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 2993-3003.	1.0	21
43	A Detail Description on Catalytic Conversion of Waste Palm Cooking Oil into Biodiesel and Its Derivatives: New Functionalized Ionic Liquid Process. <i>ChemistrySelect</i> , 2017, 2, 8583-8595.	0.7	19
44	Modified Bruggeman models for prediction of CO ₂ permeance in polycarbonate/silica nanocomposite membranes. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 2398-2409.	0.9	16
45	Lignin macromolecule's implication in slowing the biodegradability of urea-crosslinked starch films applied as slow-release fertilizer. <i>Starch/Staerke</i> , 2017, 69, 1600362.	1.1	16
46	Preparation and kinetics study of biodiesel production from waste cooking oil using new functionalized ionic liquids as catalysts. <i>Renewable Energy</i> , 2017, 114, 755-765.	4.3	78
47	A Study on Thermal Behaviour of Thermoplastic Starch Plasticized by [Emim] Ac and by [Emim] Cl. <i>Procedia Engineering</i> , 2017, 184, 567-572.	1.2	19
48	Tumbling fluidized-bed process parameters affecting quality of biopolymer coating on surface of pristine urea particles. <i>Powder Technology</i> , 2017, 320, 714-725.	2.1	8
49	Nutrient release characteristics and coating homogeneity of biopolymer coated urea as a function of fluidized bed process variables. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 849-862.	0.9	16
50	Experimental measurement and thermodynamic modeling of the solubility of carbon dioxide in aqueous blends of monoethanolamine and diethanolamine. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	5
51	Effects of Phase Separation Behavior on Morphology and Performance of Polycarbonate Membranes. <i>Membranes</i> , 2017, 7, 21.	1.4	63
52	Geopolymerization kinetics of fly ash based geopolymers using JMAK model. <i>Ceramics International</i> , 2016, 42, 15575-15584.	2.3	57
53	A Fugacity Corrected Thermodynamic Framework for Aqueous Alkanolamine Solutions. <i>Journal of Solution Chemistry</i> , 2016, 45, 546-559.	0.6	3
54	Kinetics and thermodynamic parameters of ionic liquid pretreated rubber wood biomass. <i>Journal of Molecular Liquids</i> , 2016, 223, 754-762.	2.3	73

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55	Thermophysical Properties of Aqueous 1-Butyl-3-Methylimidazolium Acetate [BMIM] [AC] + Monoethanolamine (MEA) Hybrid as a Solvent for CO ₂ Capture. <i>Procedia Engineering</i> , 2016, 148, 1326-1331.	1.2	17
56	Modified e-LCVM EoS/GE Thermodynamic Model for Carbon Dioxide " MDEA " Water System. <i>Procedia Engineering</i> , 2016, 148, 902-907.	1.2	3
57	Effect of Water and [Emim][OAc] as Plasticizer on Gelatinization of Starch. <i>Procedia Engineering</i> , 2016, 148, 524-529.	1.2	23
58	Pyrolysis Kinetics of 1-Propyronitrile Imidazolium Trifluoroacetate Ionic Liquid Using Thermogravimetric Analysis. <i>Procedia Engineering</i> , 2016, 148, 1332-1339.	1.2	3
59	Carbon Dioxide Solubility in Aqueous Potassium Lysinate Solutions: High Pressure Data and Thermodynamic Modeling. <i>Procedia Engineering</i> , 2016, 148, 1303-1311.	1.2	21
60	Synthesis, characterization and physicochemical properties of dual-functional acidic ionic liquids. <i>Journal of Molecular Liquids</i> , 2016, 223, 81-88.	2.3	32
61	Thermal Stability and Kinetic Study of Benzimidazolium Based Ionic Liquid. <i>Procedia Engineering</i> , 2016, 148, 215-222.	1.2	26
62	A hybrid equation of state and Kent-Eisenberg model for accurate prediction of carbon dioxide separation by aqueous alkanolamines. <i>Separation Science and Technology</i> , 2016, 51, 2744-2755.	1.3	6
63	Effect of Coating Thickness on Release Characteristics of Controlled Release Urea Produced in Fluidized Bed Using Waterborne Starch Biopolymer as Coating Material. <i>Procedia Engineering</i> , 2016, 148, 282-289.	1.2	48
64	Experimental Measurement and Thermodynamic Modeling of the Solubility of Carbon Dioxide in Aqueous Alkanolamine Solutions in the High Gas Loading Region. <i>International Journal of Thermophysics</i> , 2016, 37, 1.	1.0	11
65	Effects of Parameters on the Setting Time of Fly Ash Based Geopolymers Using Taguchi Method. <i>Procedia Engineering</i> , 2016, 148, 302-307.	1.2	80
66	Composite blending of ionic liquid"poly(ether sulfone) polymeric membranes: Green materials with potential for carbon dioxide/methane separation. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	27
67	Surface modification in inorganic filler of mixed matrix membrane for enhancing the gas separation performance. <i>Reviews in Chemical Engineering</i> , 2016, 32, .	2.3	42
68	Lignin reinforcement of urea-crosslinked starch films for reduction of starch biodegradability to improve slow nitrogen release properties under natural aerobic soil condition. <i>E-Polymers</i> , 2016, 16, 159-170.	1.3	19
69	Prediction of gas transport across amine mixed matrix membranes with ideal morphologies based on the Maxwell model. <i>RSC Advances</i> , 2016, 6, 30130-30138.	1.7	11
70	Impact of Ball-Milling Pretreatment on Pyrolysis Behavior and Kinetics of Crystalline Cellulose. <i>Waste and Biomass Valorization</i> , 2016, 7, 571-581.	1.8	58
71	<i>Calligonum polygonoides</i> biomass as a low-cost adsorbent: surface characterization and methylene blue adsorption characteristics. <i>Desalination and Water Treatment</i> , 2016, 57, 7345-7357.	1.0	12
72	Quantification of geopolymers production by chemical methods- A short review. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	0

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73	Determination of anisotropy and multimorphology in fly ash based geopolymers. AIP Conference Proceedings, 2015, , .	0.3	0
74	Dissolution and Separation of Wood Biopolymers Using Ionic Liquids. ChemBioEng Reviews, 2015, 2, 257-278.	2.6	43
75	Potential Biosorbent Derived from <i>Calligonum polygonoides</i> for Removal of Methylene Blue Dye from Aqueous Solution. Scientific World Journal, The, 2015, 2015, 1-11.	0.8	41
76	A comprehensive review on biodegradable polymers and their blends used in controlled-release fertilizer processes. Reviews in Chemical Engineering, 2015, 31, .	2.3	114
77	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
78	Biodiesel production from waste cooking oil by acidic ionic liquid as a catalyst. Renewable Energy, 2015, 77, 521-526.	4.3	149
79	Mixed matrix membrane performance enhancement using alkanolamine solution. Journal of Membrane Science, 2015, 483, 84-93.	4.1	39
80	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
81	Monitoring of Chemical Speciation of DEA CO_2 H_2O System by Raman Spectroscopy. Advanced Materials Research, 2015, 1113, 358-363.	0.3	6
82	Effect of fixed carbon molecular sieve (CMS) loading and various di-ethanolamine (DEA) concentrations on the performance of a mixed matrix membrane for CO_2/CH_4 separation. RSC Advances, 2015, 5, 60814-60822.	1.7	43
83	Synthesis and Thermophysical Properties of Hydrogensulfate Based Acidic Ionic Liquids. Journal of Solution Chemistry, 2015, 44, 875-889.	0.6	40
84	Review and selection criteria of classical thermodynamic models for acid gas absorption in aqueous alkanolamines. Reviews in Chemical Engineering, 2015, 31, .	2.3	60
85	Determination of Chemical Species in MDEA CO_2 H_2O System by Raman Spectroscopy. Advanced Materials Research, 2015, 1113, 261-266.	0.3	3
86	Synthesis, characterization and the effect of temperature on different physicochemical properties of protic ionic liquids. RSC Advances, 2015, 5, 71449-71461.	1.7	47
87	An overview of the role of ionic liquids in biodiesel reactions. Journal of Industrial and Engineering Chemistry, 2015, 21, 1-10.	2.9	98
88	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
89	Modelling in mixed matrix membranes for gas separation. Canadian Journal of Chemical Engineering, 2015, 93, 88-95.	0.9	22
90	An acidic ionic liquid-conventional alkali-catalyzed biodiesel production process. Korean Journal of Chemical Engineering, 2014, 31, 431-435.	1.2	5

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91	Synthesis and Thermophysical Properties of Imidazolium-Based Bronsted Acidic Ionic Liquids. Journal of Chemical & Engineering Data, 2014, 59, 579-584.	1.0	23
92	The effect of incorporating ionic liquid into polyethersulfone-SAPO34 based mixed matrix membrane on CO ₂ gas separation performance. Separation and Purification Technology, 2014, 135, 252-258.	3.9	67
93	Evaluation of catalytic activity of two functionalized imidazolium ionic liquids for biodiesel fuel production by a two-stage process. Journal of Chemical Technology and Biotechnology, 2014, 89, 998-1006.	1.6	11
94	Preparation and characterisation of <i>Citrus colocythis</i> oil biodiesel: Optimisation of alkali-catalysed transesterification. Canadian Journal of Chemical Engineering, 2014, 92, 435-440.	0.9	9
95	Characterization of Waste Palm Cooking Oil for Biodiesel Production. International Journal of Chemical Engineering and Applications (IJCEA), 2014, 5, 134-137.	0.3	64
96	A Brønsted 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
97	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
98	Ionic Liquid Polymeric Membrane: Synthesis, Characterization & Performance Evaluation. Key Engineering Materials, 2013, 594-595, 18-23.	0.4	5
99	Electrochemical Performance of Cathode LiVOPO ₄ Doped with Mo and W. Transactions of the Indian Ceramic Society, 2013, 72, 108-112.	0.4	10
100	Latest Development on Membrane Fabrication for Natural Gas Purification: A Review. Journal of Engineering (United States), 2013, 2013, 1-7.	0.5	38
101	Preparation and Characterization of Blended Composite Membranes. Advanced Materials Research, 2012, 488-489, 506-510.	0.3	1
102	Physicochemical Properties of the Protic Ionic Liquid Bis(2-hydroxyethyl)methylammonium Formate. Journal of Solution Chemistry, 2012, 41, 1802-1811.	0.6	4
103	Density and Surface Tension of Ionic Liquids [H ₂ N ⁺ C ₂ mim][PF ₆ ⁻] and [H ₂ N ⁺ C ₃ mim][PF ₆ ⁻]. Journal of Chemical & Engineering Data, 2012, 57, 2923-2927.	1.0	11
104	Synthesis and Physical Properties of Choline Carboxylate Ionic Liquids. Journal of Chemical & Engineering Data, 2012, 57, 2191-2196.	1.0	111
105	Effect of Ionic Liquid Treatment on Pyrolysis Products from Bamboo. Industrial & Engineering Chemistry Research, 2012, 51, 2280-2289.	1.8	60
106	Thermophysical Properties of Dual Functionalized Imidazolium-Based Ionic Liquids. Journal of Chemical & Engineering Data, 2012, 57, 737-743.	1.0	40
107	Solubility of CO ₂ in pyridinium based ionic liquids. Chemical Engineering Journal, 2012, 189-190, 94-100.	6.6	105
108	Extraction of dibenzothiophene from dodecane using ionic liquids. Fuel Processing Technology, 2012, 93, 85-89.	3.7	109

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109	Separation of CO ₂ from CH ₄ using polysulfone/polyimide silica nanocomposite membranes. Separation and Purification Technology, 2012, 90, 162-172.	3.9	100
110	Kinetics of thermal degradation of polysulfone/polyimide blended polymeric membranes. Journal of Applied Polymer Science, 2012, 123, 3755-3763.	1.3	27
111	Ionic liquid as a future solvent for the enhanced uses of wood biomass. European Journal of Wood and Wood Products, 2012, 70, 125-133.	1.3	72
112	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
113	Preparation of Cellulose Nanocrystals Using an Ionic Liquid. Journal of Polymers and the Environment, 2011, 19, 726-731.	2.4	180
114	Dissolution and Delignification of Bamboo Biomass Using Amino Acid-Based Ionic Liquid. Applied Biochemistry and Biotechnology, 2011, 165, 998-1009.	1.4	81
115	Preparation of asymmetric polysulfone/polyimide blended membranes for CO ₂ separation. Korean Journal of Chemical Engineering, 2011, 28, 2050-2056.	1.2	44
116	Brønsted 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
117	Effect of varying solvents compositions on morphology and gas permeation properties on membranes blends for CO ₂ separation from natural gas. Journal of Membrane Science, 2011, 378, 444-452.	4.1	47
118	Studies on the Thermal Degradation Behavior of Ionic Liquid Regenerated Cellulose. Waste and Biomass Valorization, 2010, 1, 315-321.	1.8	19
119	Thermophysical properties of 1-alkylpyridinium bis(trifluoromethylsulfonyl)imide ionic liquids. Journal of Chemical Thermodynamics, 2010, 42, 491-495.	1.0	99
120	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
121	DEVELOPMENT OF POLYSULFONE-CARBON MOLECULAR SIEVES MIXED MATRIX MEMBRANES FOR CO ₂ REMOVAL FROM NATURAL GAS. , 2009, , .		9
122	Structure and Dynamic Mechanical Properties of Melt Intercalated Polyamide 6 as Montmorillonite Nanocomposites. Macromolecular Materials and Engineering, 2006, 291, 917-928.	1.7	48
123	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
124	Effect of Ball Milling on the Catalytic Conversion of Cellulose to Levulinic Acid. Applied Mechanics and Materials, 0, 625, 353-356.	0.2	2
125	Comparative Study of Linear Co-Volume Based Mixing Rules for Equation of State/ Excess Gibbs Energy (EOS/G ^E) Models for CO ₂ & MEA and CO ₂ & MDEA Systems. Applied Mechanics and Materials, 0, 625, 541-544.	0.2	3
126	Water Uptake Behavior of Lignin Modified Starch Film. Applied Mechanics and Materials, 0, 699, 204-209.	0.2	5

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127	Benzene and Cyclohexane Separation Using 1-Propanenitrile-3-butylimidazolium Dicyanamide Ionic Liquid. <i>Advanced Materials Research</i> , 0, 879, 58-62.	0.3	10
128	Effect of Solid to Liquid Ratio on the Mechanical and Physical Properties of Fly Ash Geopolymer without Sodium Silicate. <i>Applied Mechanics and Materials</i> , 0, 625, 46-49.	0.2	21
129	Fabrication and Characterization of Facilitated Transport Membrane for Gas Separation. <i>Applied Mechanics and Materials</i> , 0, 625, 533-536.	0.2	2
130	Lignin Modified Urea Fertilizer's Biodegradation and Nitrogen Release under Reduced Soil Condition. <i>Applied Mechanics and Materials</i> , 0, 699, 981-987.	0.2	9
131	Effects of Ionic Liquid Blending in Polymeric Membrane: Physical Properties and Performance Evaluation. <i>Applied Mechanics and Materials</i> , 0, 625, 680-684.	0.2	3
132	Preparation of Biodiesel from Waste Cooking Oil Catalyzed by Basic Ionic Liquid. <i>Applied Mechanics and Materials</i> , 0, 625, 874-876.	0.2	7
133	Influence of Citric Acid and Curing Time on Water Uptake. <i>Applied Mechanics and Materials</i> , 0, 625, 123-126.	0.2	6
134	Recovery of 1-Butyl-3-Methylimidazolium-Based Ionic Liquids. <i>Advanced Materials Research</i> , 0, 879, 230-236.	0.3	0
135	Optimization of Coating Thickness in a Tangential Fluidized Bed. <i>Applied Mechanics and Materials</i> , 0, 625, 131-135.	0.2	0
136	Effect of Curing Conditions on the Mechanical Properties of Fly Ash-Based Geopolymer without Sodium Silicate Solution. <i>Applied Mechanics and Materials</i> , 0, 699, 15-19.	0.2	4
137	Starch Biodegradation in a Lignin Modified Slow Release Fertilizer: Effect of Thickness. <i>Applied Mechanics and Materials</i> , 0, 625, 830-833.	0.2	8
138	Effect of NaOH and Water Contents on Solidification of Sodium Silicate Free Geopolymer. <i>Applied Mechanics and Materials</i> , 0, 625, 3-6.	0.2	2
139	Effect of Na/Al and Si/Al Ratios on Adhesion Strength of Geopolymers as Coating Material. <i>Applied Mechanics and Materials</i> , 0, 625, 85-89.	0.2	16
140	Gas Permeation Models in Mixed Matrix Membranes for Gas Separation. <i>Advanced Materials Research</i> , 0, 917, 317-324.	0.3	4
141	Effect of Carbon Molecular Sieve (CMS) Concentration on Mixed Matrix Membranes (MMMs) Performance for Carbon Dioxide Removal. <i>Applied Mechanics and Materials</i> , 0, 754-755, 869-873.	0.2	11
142	Lignin Effect on Tensile Properties of Biodegradable Urea-Crosslinked Starch in Aerobic Soil Microcosm. <i>Advanced Materials Research</i> , 0, 1133, 45-49.	0.3	4
143	Suitability of Malaysian Fly Ash for Geopolymer Synthesis. <i>Advanced Materials Research</i> , 0, 1133, 201-205.	0.3	9
144	A Short Review of Infra-Red Spectroscopic Studies of Geopolymers. <i>Advanced Materials Research</i> , 0, 1133, 231-235.	0.3	4

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145	Sodium Silicate Free Geopolymer As Coating Material: Adhesion To Steel. , 0, , .		7