

Mohamad Azmi Bustam

List of Publications by Year in descending order

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201
papers

5,901
citations

66250

44
h-index

124990

64
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203
docs citations

203
times ranked

6567
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative Estimation of Biocapped Surface Chemistry Driven Interparticle Interactions and Growth Kinetics of Gold Nanoparticles. <i>Journal of Cluster Science</i> , 2022, 33, 557-565.	1.7	3
2	Altering sorption and diffusion coefficients of gases in 6FDA -based membrane via addition of functionalized Ti -based fillers. <i>Polymer Composites</i> , 2022, 43, 440-453.	2.3	3
3	Understanding the physicochemical and transport properties of pyrazolium based ionic liquids bearing iodide and triiodide anions. <i>Journal of Molecular Liquids</i> , 2022, 346, 118270.	2.3	5
4	Experimental Investigation on Thermophysical Properties of Ammonium-Based Protic Ionic Liquids and Their Potential Ability towards CO_2 Capture. <i>Molecules</i> , 2022, 27, 851.	1.7	7
5	RSM Modeling and Optimization of CO_2 Separation from High CO_2 Feed Concentration over Functionalized Membrane. <i>Polymers</i> , 2022, 14, 1371.	2.0	2
6	Development of Amine-Functionalized Metal-Organic Frameworks Hollow Fiber Mixed Matrix Membranes for CO_2 and CH_4 Separation: A Review. <i>Polymers</i> , 2022, 14, 1408.	2.0	10
7	Study of the ionic liquids TM electrochemical reduction using experimental and computational methods. <i>Journal of Molecular Liquids</i> , 2022, 359, 119219.	2.3	3
8	Synthesis-structure-property relationship of nitrogen-doped porous covalent triazine frameworks for pre-combustion CO_2 capture. <i>Energy</i> , 2021, 216, 119230.	4.5	15
9	Development of membrane material for oily wastewater treatment: A review. <i>Ain Shams Engineering Journal</i> , 2021, 12, 1361-1374.	3.5	43
10	Computational studies of ionic liquids as co-catalyst for CO_2 electrochemical reduction to produce syngas using COSMO-RS. <i>E3S Web of Conferences</i> , 2021, 287, 02016.	0.2	3
11	Development of a novel switched packed bed process for cryogenic CO_2 capture from natural gas. <i>Chemical Engineering Research and Design</i> , 2021, 147, 878-887.	2.7	39
12	Experimental and theoretical investigations on kinetic mechanisms of low-pressure CO_2 adsorption onto Malaysian coals. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 88, 103828.	2.1	15
13	Effect of Membrane Materials and Operational Parameters on Performance and Energy Consumption of Oil/Water Emulsion Filtration. <i>Membranes</i> , 2021, 11, 370.	1.4	12
14	Adsorption behavior of mercury over hydrated lime: Experimental investigation and adsorption process characteristic study. <i>Chemosphere</i> , 2021, 271, 129504.	4.2	32
15	Sustainable functionalized metal-organic framework $\text{NH}_2\text{-MIL-101(Al)}$ for CO_2 separation under cryogenic conditions. <i>Environmental Pollution</i> , 2021, 279, 116924.	3.7	23
16	Fabrication and performance evaluation of polymeric membrane using blood compatible hydroxyapatite for artificial kidney application. <i>Artificial Organs</i> , 2021, 45, 1377-1390.	1.0	6
17	COSMO-RS prediction and experimental investigation of amino acid ionic liquid-based deep eutectic solvents for copper removal. <i>Journal of Molecular Liquids</i> , 2021, 333, 115884.	2.3	23
18	Improving textural properties of magnesium-based metal-organic framework for gas adsorption by carbon doping. <i>Microporous and Mesoporous Materials</i> , 2021, 323, 111246.	2.2	12

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19	A critical review on phytosynthesis of gold nanoparticles: Issues, challenges and future perspectives. <i>Journal of Cleaner Production</i> , 2021, 309, 127460.	4.6	25
20	Iron-Zinc Co-Doped Titania Nanocomposite: Photocatalytic and Photobiocidal Potential in Combination with Molecular Docking Studies. <i>Catalysts</i> , 2021, 11, 1112.	1.6	10
21	Progress in Development of Nanostructured Manganese Oxide as Catalyst for Oxygen Reduction and Evolution Reaction. <i>Energies</i> , 2021, 14, 6385.	1.6	13
22	A wavy flow channel system for membrane fouling control in oil/water emulsion filtration. <i>Journal of Water Process Engineering</i> , 2021, 44, 102340.	2.6	6
23	Elucidation of the Roles of Ionic Liquid in CO ₂ Electrochemical Reduction to Value-Added Chemicals and Fuels. <i>Molecules</i> , 2021, 26, 6962.	1.7	11
24	A review on nanofibers membrane with amino-based ionic liquid for heavy metal removal. <i>Journal of Molecular Liquids</i> , 2020, 297, 111793.	2.3	99
25	Synthesis and characterization of mesoporous MOF UMCM-1 for CO ₂ /CH ₄ adsorption; an experimental, isotherm modeling and thermodynamic study. <i>Microporous and Mesoporous Materials</i> , 2020, 294, 109844.	2.2	52
26	Characteristically Insights, Artificial Neural Network (ANN), Equilibrium, and Kinetic Studies of Pb(II) Ion Adsorption on Rice Husks Treated with Nitric Acid. <i>International Journal of Environmental Research</i> , 2020, 14, 43-60.	1.1	21
27	Experimental investigations on the regeneration of desulfurized 1-butyl-3-methylimidazolium tetrachloroferrate [Bmim][FeCl ₄] and 1-butyl-3-methylimidazolium thiocyanate [Bmim][SCN] ionic liquids: A raman spectroscopic study. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 546-554.	1.2	6
28	Experimental investigation and modeling of the density, refractive index, and dynamic viscosity of 1-Propyronitrile-3-Butylimidazolium Dicyanamide. <i>Journal of Molecular Liquids</i> , 2020, 302, 112470.	2.3	2
29	CO ₂ /CH ₄ adsorption over functionalized multi-walled carbon nanotubes; an experimental study, isotherms analysis, mechanism, and thermodynamics. <i>Microporous and Mesoporous Materials</i> , 2020, 294, 109883.	2.2	48
30	Influence of post-synthetic graphene oxide (GO) functionalization on the selective CO ₂ /CH ₄ adsorption behavior of MOF-200 at different temperatures; an experimental and adsorption isotherms study. <i>Microporous and Mesoporous Materials</i> , 2020, 296, 110002.	2.2	73
31	Investigation on particle properties and extent of functionalization of silica nanoparticles. <i>Applied Surface Science</i> , 2020, 506, 144978.	3.1	14
32	A review on modeling and simulation of blowdown from pressurized vessels and pipelines. <i>Chemical Engineering Research and Design</i> , 2020, 133, 104-123.	2.7	13
33	Enhanced cryogenic packed bed with optimal CO ₂ removal from natural gas; a joint computational and experimental approach. <i>Cryogenics</i> , 2020, 105, 103010.	0.9	24
34	Experimental and comparative theoretical study of thermal conductivity of MWCNTs-kapok seed oil-based nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2020, 110, 104402.	2.9	14
35	A review on CO ₂ capture via nitrogen-doped porous polymers and catalytic conversion as a feedstock for fuels. <i>Journal of Cleaner Production</i> , 2020, 277, 123999.	4.6	45
36	Impact of amine functionality on the selective CO ₂ /CH ₄ adsorption behavior of porous covalent triazine adsorbent. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 83, 103582.	2.1	13

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37	Ionic Liquids Roles and Perspectives in Electrolyte for Dye-Sensitized Solar Cells. Sustainability, 2020, 12, 7598.	1.6	40
38	Gallate-Based Metal-Organic Frameworks, a New Family of Hybrid Materials and Their Applications: A Review. Crystals, 2020, 10, 1006.	1.0	14
39	Experimental measurements of carbon dioxide, methane and nitrogen high-pressure adsorption properties onto Malaysian coals under various conditions. Energy, 2020, 210, 118575.	4.5	29
40	Development of Polysulfone Membrane via Vapor-Induced Phase Separation for Oil/Water Emulsion Filtration. Polymers, 2020, 12, 2519.	2.0	20
41	Phytosynthesis of cerium oxide nanoparticles and investigation of their photocatalytic potential for degradation of phenol under visible light. Journal of Molecular Structure, 2020, 1217, 128292.	1.8	40
42	Optimization of Washing Processes in Solvothermal Synthesis of Nickel-Based MOF-74. Materials, 2020, 13, 2741.	1.3	32
43	Characterization of Mukah-Balingian and Merit-Pila Coals before and after Subcritical CO ₂ Exposure Using Surface-Area Techniques. Journal of Environmental Engineering, ASCE, 2020, 146, .	0.7	11
44	Extension of BET theory to CO ₂ adsorption isotherms for ultra-microporosity of covalent organic polymers. SN Applied Sciences, 2020, 2, 1.	1.5	44
45	Thermophysical Properties of Newly Synthesized Ammonium-Based Protic Ionic Liquids: Effect of Temperature, Anion and Alkyl Chain Length. Processes, 2020, 8, 742.	1.3	20
46	Controllable phytosynthesis of gold nanoparticles and investigation of their size and morphology-dependent photocatalytic activity under visible light. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 392, 112429.	2.0	32
47	CO ₂ capturing, thermo-kinetic principles, synthesis and amine functionalization of covalent organic polymers for CO ₂ separation from natural gas: A review. Journal of Natural Gas Science and Engineering, 2020, 77, 103203.	2.1	68
48	Equilibrium, kinetics and artificial intelligence characteristic analysis for Zn (II) ion adsorption on rice husks digested with nitric acid. Paddy and Water Environment, 2020, 18, 455-468.	1.0	11
49	Separation of CO ₂ from CH ₄ using mixed matrix membranes incorporated with amine functionalized MIL-125 (Ti) nanofiller. Chemical Engineering Research and Design, 2020, 159, 236-247.	2.7	25
50	Screening of ionic liquids for the extraction of biologically active compounds using emulsion liquid membrane: COSMO-RS prediction and experiments. Journal of Molecular Liquids, 2020, 309, 113122.	2.3	44
51	Gas Hydrate Inhibitors. Green Energy and Technology, 2020, , 27-46.	0.4	8
52	Synthesis and Stability of Metal-organic Frameworks (MOFs) Photocatalysts for the Removal of Persistent Organic Pollutants (POPs) from Wastewater. Current Analytical Chemistry, 2020, 17, 61-81.	0.6	7
53	The Effect of Composition on CO ₂ Freeze-Out and Critical Locus of Binary CO ₂ -CH ₄ Mixture. Lecture Notes in Mechanical Engineering, 2020, , 1-10.	0.3	0
54	Phosphonium-based hydrophobic ionic liquids with fluorosulfonate anions for biodiesel production from waste cooking oil. International Journal of Environmental Science and Technology, 2019, 16, 1269-1276.	1.8	15

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55	Thermodynamic data for cryogenic carbon dioxide capture from natural gas: A review. <i>Cryogenics</i> , 2019, 102, 85-104.	0.9	54
56	Effect of gold and iron nanoparticles on photocatalytic behaviour of titanium dioxide towards 1-butyl-3-methylimidazolium chloride ionic liquid. <i>Journal of Molecular Liquids</i> , 2019, 291, 111277.	2.3	17
57	Efficient CO ₂ capture using NH ₂ -MIL-101/CA composite cryogenic packed bed column. <i>Cryogenics</i> , 2019, 101, 79-88.	0.9	22
58	Synthesis and characterization of iso-reticular metal-organic Framework-3 (IRMOF-3) for CO ₂ /CH ₄ adsorption: Impact of post-synthetic aminomethyl propanol (AMP) functionalization. <i>Journal of Natural Gas Science and Engineering</i> , 2019, 72, 103014.	2.1	32
59	Understanding the effect of pH on the solubility of Gamavuton-0 in the aqueous solution: Experimental and COSMO-RS modelling. <i>Journal of Molecular Liquids</i> , 2019, 296, 111845.	2.3	9
60	High-temperature CO ₂ removal from CH ₄ using silica membrane: experimental and neural network modeling. , 2019, 9, 1010-1026.		22
61	Reactive kinetics of carbon dioxide loaded aqueous blend of 2-amino-2-ethyl-1,3-propanediol and piperazine using a pressure drop method. <i>International Journal of Chemical Kinetics</i> , 2019, 51, 291-298.	1.0	15
62	Synthesis, and characterization of metal-organic frameworks -177 for static and dynamic adsorption behavior of CO ₂ and CH ₄ . <i>Microporous and Mesoporous Materials</i> , 2019, 288, 109569.	2.2	50
63	Mechanistic investigation of phytochemicals involved in green synthesis of gold nanoparticles using aqueous <i>Elaeis guineensis</i> leaves extract: Role of phenolic compounds and flavonoids. <i>Biotechnology and Applied Biochemistry</i> , 2019, 66, 698-708.	1.4	77
64	Optimization of cryogenic carbon dioxide capture from natural gas. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2019, 50, 248-253.	0.5	14
65	Swelling mechanism of urea cross-linked starch-lignin films in water. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 1522-1532.	1.2	5
66	Efficient conversion of lignocellulosic biomass to levulinic acid using acidic ionic liquids. <i>Carbohydrate Polymers</i> , 2018, 181, 208-214.	5.1	119
67	Thickness dependent penetrant gas transport properties and separation performance within ultrathin polysulfone membrane: Insights from atomistic molecular simulation. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 131-158.	2.4	14
68	Dicationic ionic liquids as sustainable approach for direct conversion of cellulose to levulinic acid. <i>Journal of Cleaner Production</i> , 2018, 170, 591-600.	4.6	82
69	Green synthesis of stabilized spherical shaped gold nanoparticles using novel aqueous <i>Elaeis guineensis</i> (oil palm) leaves extract. <i>Journal of Molecular Structure</i> , 2018, 1159, 167-173.	1.8	64
70	Probing the interactions between DNA nucleotides and biocompatible liquids: COSMO-RS and molecular simulation study. <i>Separation and Purification Technology</i> , 2018, 196, 237-243.	3.9	16
71	Quantitative growth evolution of gold nanoparticles synthesized using aqueous <i>Elaeis guineensis</i> (oil palm) leaves extract. <i>Materials Chemistry and Physics</i> , 2018, 220, 240-248.	2.0	13
72	An atomistic simulation towards elucidation of operating temperature effect in CO ₂ swelling of polysulfone polymeric membranes. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 57, 135-154.	2.1	12

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73	A review on ionic liquids as perspective catalysts in transesterification of different feedstock oil into biodiesel. <i>Journal of Molecular Liquids</i> , 2018, 266, 673-686.	2.3	90
74	Thermokinetics of alkyl methylpyrrolidinium [NTf ₂] ionic liquids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 129, 261-270.	2.0	27
75	Effect of task specific thiocyanate based ionic liquids on relative volatility of cyclohexane and benzene azeotropic mixture. <i>Journal of Molecular Liquids</i> , 2017, 238, 208-214.	2.3	14
76	Dicationic imidazolium based ionic liquids: Synthesis and properties. <i>Journal of Molecular Liquids</i> , 2017, 227, 98-105.	2.3	67
77	Thermodynamic effect of ammonium based ionic liquids on CO ₂ hydrates phase boundary. <i>Journal of Molecular Liquids</i> , 2017, 238, 533-539.	2.3	108
78	Ionic liquids toxicity on fresh water microalgae, <i>Scenedesmus quadricauda</i> , <i>Chlorella vulgaris</i> & <i>Botryococcus braunii</i> ; selection criterion for use in a two-phase partitioning bioreactor (TPPBR). <i>Chemosphere</i> , 2017, 184, 642-651.	4.2	30
79	Synthesis, characterization, and CO ₂ separation performance of polyether sulfone/[EMIM][Tf ₂ N] ionic liquid-polymeric membranes (ILPMs). <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 54, 98-106.	2.9	46
80	Extraction of β -carotene from organic phase using ammonium based ionic liquids aqueous solution. <i>Journal of Molecular Liquids</i> , 2017, 227, 15-20.	2.3	35
81	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
82	Benzene and cyclohexane separation using 1-butyl-3-methylimidazolium thiocyanate. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	3
83	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
84	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
85	Kinetics and thermodynamic parameters of ionic liquid pretreated rubber wood biomass. <i>Journal of Molecular Liquids</i> , 2016, 223, 754-762.	2.3	73
86	Effect of [EMIM][Tf ₂ N] Ionic Liquid on Ionic Liquid-polymeric Membrane (ILPM) for CO ₂ /CH ₄ Separation. <i>Procedia Engineering</i> , 2016, 148, 25-29.	1.2	15
87	Description of Carbon Dioxide Adsorption and Desorption onto Malaysian Coals under Subcritical Condition. <i>Procedia Engineering</i> , 2016, 148, 600-608.	1.2	28
88	Pyrolysis Kinetics of 1-Propyronitrile Imidazolium Trifluoroacetate Ionic Liquid Using Thermogravimetric Analysis. <i>Procedia Engineering</i> , 2016, 148, 1332-1339.	1.2	3
89	Biodiesel Production from Palm Oil Using Micro Tube Reactors: Effects of Catalyst Concentration and Residence Time. <i>Procedia Engineering</i> , 2016, 148, 354-360.	1.2	28
90	Synthesis, characterization and physicochemical properties of dual-functional acidic ionic liquids. <i>Journal of Molecular Liquids</i> , 2016, 223, 81-88.	2.3	32

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91	Quantitative structure-activity relationships (QSARs) for estimation of activity coefficient at infinite dilution of water in ionic liquids for natural gas dehydration. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 66, 222-229.	2.7	26
92	Thermal Stability and Kinetic Study of Benzimidazolium Based Ionic Liquid. <i>Procedia Engineering</i> , 2016, 148, 215-222.	1.2	26
93	The Role of Multiwall Carbon Nanotubes in Cu-BTC Metal-Organic Frameworks for CO ₂ Adsorption. <i>Journal of the Chinese Chemical Society</i> , 2016, 63, 1022-1032.	0.8	26
94	Effect of Reaction Time on Green Synthesis of Gold Nanoparticles by Using Aqueous Extract of <i>Elaise Guineensis</i> (Oil Palm Leaves). <i>Procedia Engineering</i> , 2016, 148, 467-472.	1.2	36
95	Synthesis of CaO-based Sorbent from Biomass for CO ₂ Capture in Series of Calcination-carbonation Cycle. <i>Procedia Engineering</i> , 2016, 148, 78-85.	1.2	13
96	Liquid-Liquid extraction of aromatics and sulfur compounds from base oil using ionic liquids. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 4786-4793.	3.3	20
97	Quantum-chemical-based quantitative structure-activity relationships for estimation of CO ₂ absorption/desorption capacities of amine-based absorbents. <i>International Journal of Greenhouse Gas Control</i> , 2016, 49, 372-378.	2.3	12
98	Experimental and quantum study of corrosion of A36 mild steel towards 1-butyl-3-methylimidazolium tetrachloroferrate ionic liquid. <i>Applied Surface Science</i> , 2016, 365, 76-83.	3.1	34
99	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
100	Extraction of naphthenic acid from highly acidic oil using phenolate based ionic liquids. <i>Chemical Engineering Journal</i> , 2016, 284, 487-493.	6.6	62
101	Dissolution and Separation of Wood Biopolymers Using Ionic Liquids. <i>ChemBioEng Reviews</i> , 2015, 2, 257-278.	2.6	43
102	Impact of high pressure on high concentration carbon dioxide capture from natural gas by monoethanolamine/N-methyl-2-pyrrolidone solvent in absorption packed column. <i>International Journal of Greenhouse Gas Control</i> , 2015, 34, 25-30.	2.3	49
103	Mass Transfer Performance of CO ₂ Absorption from Natural Gas using Monoethanolamine (MEA) in High Pressure Operations. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 1675-1680.	1.8	27
104	Biodiesel production from waste cooking oil by acidic ionic liquid as a catalyst. <i>Renewable Energy</i> , 2015, 77, 521-526.	4.3	149
105	Synthesis and Thermophysical Properties of Hydrogensulfate Based Acidic Ionic Liquids. <i>Journal of Solution Chemistry</i> , 2015, 44, 875-889.	0.6	40
106	Synthesis, characterization and the effect of temperature on different physicochemical properties of protic ionic liquids. <i>RSC Advances</i> , 2015, 5, 71449-71461.	1.7	47
107	Tuning ionic liquids for natural gas dehydration using COSMO-RS methodology. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 27, 1141-1148.	2.1	78
108	Density and excess molar volume of binary mixture of thiocyanate-based ionic liquids and methanol at temperatures 293.15-323.15K. <i>Journal of Molecular Liquids</i> , 2015, 211, 734-741.	2.3	29

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109	Evaluation of Thermophysical Properties of Functionalized Imidazolium Thiocyanate Based Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 12428-12437.	1.8	45
110	Synthesis and Characterization of Melamine Formaldehyde Resins for Decorative Paper Applications. <i>Journal of the Chinese Chemical Society</i> , 2015, 62, 182-190.	0.8	27
111	Photocatalytic Degradation of DIPA Using Bimetallic Cu-Ni/TiO ₂ Photocatalyst under Visible Light Irradiation. <i>Scientific World Journal, The</i> , 2014, 2014, 1-8.	0.8	16
112	Physical properties of aqueous solutions of potassium carbonate + glycine as a solvent for carbon dioxide removal. <i>Journal of the Serbian Chemical Society</i> , 2014, 79, 719-727.	0.4	17
113	Application of Response Surface Methodology to Investigate CO ₂ Absorption Column Temperature Rise. <i>Advanced Materials Research</i> , 2014, 917, 257-266.	0.3	3
114	Solid Supported [hmim][Tf ₂ N] for CO ₂ Adsorption. <i>Advanced Materials Research</i> , 2014, 879, 149-154.	0.3	4
115	Solubility Parameters Based on Refractive Index Data of Ionic Liquid. <i>Advanced Materials Research</i> , 2014, 917, 45-55.	0.3	5
116	Synthesis and Thermophysical Properties of Imidazolium-Based Bronsted Acidic Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 579-584.	1.0	23
117	Physicochemical Properties of Aqueous Solutions of Sodium <i>l</i> -Proinate as an Absorbent for CO ₂ Removal. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 362-368.	1.0	37
118	Synergistic effects of kaolin clay on intumescent fire retardant coating composition for fire protection of structural steel substrate. <i>Polymer Degradation and Stability</i> , 2014, 110, 91-103.	2.7	79
119	Evaluation of catalytic activity of two functionalized imidazolium ionic liquids for biodiesel fuel production by a two-stage process. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 998-1006.	1.6	11
120	Preparation and characterisation of <i>Citrus colocyntis</i> oil biodiesel: Optimisation of alkali-catalysed transesterification. <i>Canadian Journal of Chemical Engineering</i> , 2014, 92, 435-440.	0.9	9
121	Volumetric properties of binary mixtures of benzene with cyano-based ionic liquids. , 2014, , .		2
122	Characterization of Waste Palm Cooking Oil for Biodiesel Production. <i>International Journal of Chemical Engineering and Applications (IJCEA)</i> , 2014, 5, 134-137.	0.3	64
123	A Brønsted ammonium ionic liquid-KOH two-stage catalyst for biodiesel synthesis from crude palm oil. <i>Industrial Crops and Products</i> , 2013, 41, 144-149.	2.5	57
124	Thermal properties of different transition metal forms of montmorillonite intercalated with mono-, di-, and triethanolammonium compounds. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 112, 929-935.	2.0	10
125	Physical Properties of Aqueous Blends of Sodium Glycinate (SG) and Piperazine (PZ) as a Solvent for CO ₂ Capture. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 634-638.	1.0	20
126	Effects of exchanged ammonium cations on structure characteristics and CO ₂ adsorption capacities of bentonite clay. <i>Applied Clay Science</i> , 2013, 83-84, 391-398.	2.6	35

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127	Investigations of novel nitrile-based ionic liquids as pre-treatment solvent for extraction of lignin from bamboo biomass. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 207-214.	2.9	62
128	Investigation on Aromaticity Index and Double-Bond Equivalent of Aromatic Compounds and Ionic Liquids for Fuel Desulphurization. <i>Journal of Chemistry</i> , 2013, 2013, 1-7.	0.9	3
129	Thermophysical Properties of Ionic Liquid with Thiocyanate and Dicyanamide Anions. <i>Key Engineering Materials</i> , 2013, 594-595, 953-957.	0.4	0
130	Electrochemical Performance of Cathode LiVOPO_4 Doped with Mo and W. <i>Transactions of the Indian Ceramic Society</i> , 2013, 72, 108-112.	0.4	10
131	Thermophysical Properties of Ionic Liquid with Thiocyanate Anion: Effect of Cations. <i>Advanced Materials Research</i> , 2012, 626, 686-690.	0.3	2
132	Co_2 Solubility in Silica Supported $[\text{hmim}][\text{Tf}_2\text{N}]$. <i>Advanced Materials Research</i> , 2012, 626, 509-513.	0.3	0
133	Effect of water content in the formation of TiO_2 aggregates on the performance of dye solar cells (DSCs)., 2012, , .		0
134	Physicochemical Properties of the Protic Ionic Liquid Bis(2-hydroxyethyl)methylammonium Formate. <i>Journal of Solution Chemistry</i> , 2012, 41, 1802-1811.	0.6	4
135	Thermogravimetric analysis of different molar mass ammonium cations intercalated different cationic forms of montmorillonite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 110, 765-771.	2.0	16
136	Density and Surface Tension of Ionic Liquids $[\text{H}_2\text{N}^+\text{C}_2\text{mim}][\text{PF}_6^-]$ and $[\text{H}_2\text{N}^+\text{C}_3\text{mim}][\text{PF}_6^-]$. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 2923-2927.	1.0	11
137	Synthesis and Physical Properties of Choline Carboxylate Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 2191-2196.	1.0	111
138	Effect of Ionic Liquid Treatment on Pyrolysis Products from Bamboo. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 2280-2289.	1.8	60
139	Factors affecting CO_2 absorption efficiency in packed column: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 1874-1883.	2.9	140
140	Thermophysical Properties of Dual Functionalized Imidazolium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 737-743.	1.0	40
141	The solar hydrogen from sea water using Cu^+TiO_2 . , 2012, , .		0
142	Physical Properties of Piperazine (PZ) Activated Aqueous Solutions of 2-Amino-2-hydroxymethyl-1,3-propanediol (AHPD + PZ). <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 133-136.	1.0	22
143	Blending of Epoxidised Palm Oil with Epoxy Resin: The Effect on Morphology, Thermal and Mechanical Properties. <i>Journal of Polymers and the Environment</i> , 2012, 20, 540-549.	2.4	40
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