

Nawshad Muhammad

List of Publications by Year in descending order

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146
papers

5,980
citations

57758

44
h-index

95266

68
g-index

147
all docs

147
docs citations

147
times ranked

6965
citing authors

#	ARTICLE	IF	CITATIONS
1	One-pot production of 5-hydroxymethylfurfural and simultaneous lignin recovery from non-food lignocellulosic wastes using cost-effective ionic liquids. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 3223-3234.	4.6	3
2	SiO ₂ /Al ₂ O ₃ /C grafted 3-n propylpyridinium silsesquioxane chloride-based non-enzymatic electrochemical sensor for determination of carcinogenic nitrite in food products. <i>Food Chemistry</i> , 2022, 369, 130970.	8.2	14
3	Surface tuning of silica by deep eutectic solvent to synthesize biomass derived based membranes for gas separation to enhance the circular bioeconomy. <i>Fuel</i> , 2022, 310, 122355.	6.4	7
4	Non-enzymatic colorimetric sensing of nitrite in fortified meat using functionalized drug mediated manganese dioxide. <i>Materials Chemistry and Physics</i> , 2022, 278, 125729.	4.0	7
5	Fabrication of ionic liquid stabilized MXene interface for electrochemical dopamine detection. <i>Mikrochimica Acta</i> , 2022, 189, 64.	5.0	38
6	Characterization of various acrylate based artificial teeth for denture fabrication. <i>Journal of Materials Science: Materials in Medicine</i> , 2022, 33, 17.	3.6	9
7	Extraction of keratin from sheep wool fibres using aqueous ionic liquids assisted probe sonication technology. <i>Journal of Molecular Liquids</i> , 2022, 350, 118595.	4.9	13
8	Non-enzymatic electrochemical dopamine sensing probe based on hexagonal shape zinc-doped cobalt oxide (Zn-Co ₂ O ₄) nanostructure. <i>Mikrochimica Acta</i> , 2022, 189, 37.	5.0	19
9	Fabrication of Guided Tissue Regeneration Membrane Using Lignin-Mediated ZnO Nanoparticles in Biopolymer Matrix for Antimicrobial Activity. <i>Frontiers in Chemistry</i> , 2022, 10, 837858.	3.6	9
10	Functionalized organic filler based integrated membranes for environmental remediation. <i>Chemosphere</i> , 2022, 303, 135073.	8.2	2
11	Effect of imidazolium's ionic liquids with different anions and alkyl chain length on phytotoxicity and biochemical analysis of maize seedling. <i>Journal of Molecular Liquids</i> , 2021, 321, 114491.	4.9	9
12	Single-step synthesis of magnesium-iron borates composite; an efficient electrocatalyst for dopamine detection. <i>Microchemical Journal</i> , 2021, 160, 105679.	4.5	3
13	Facile Synthesis of High-Quality Nano-Size 10B-Enriched Fibers of Hexagonal Boron Nitride. <i>Crystals</i> , 2021, 11, 222.	2.2	3
14	Biocompatibility performance evaluation of high flux hydrophilic CO ₃ Ap/HAP/PSF composite membranes for hemodialysis application. <i>Artificial Organs</i> , 2021, 45, E265-E279.	1.9	7
15	Pyridinium protic ionic liquids: Effective solvents for delignification of wheat straw. <i>Journal of Molecular Liquids</i> , 2021, 325, 115013.	4.9	29
16	Activated carbon-alginate beads impregnated with surfactant as sustainable adsorbent for efficient removal of methylene blue. <i>International Journal of Biological Macromolecules</i> , 2021, 176, 233-243.	7.5	51
17	Evolution of Anticariogenic Resin-Modified Glass Ionomer Cements. <i>ChemBioEng Reviews</i> , 2021, 8, 326-336.	4.4	4
18	Ionic liquid tuned titanium dioxide nanostructures as an efficient colorimetric sensing platform for dopamine detection. <i>Materials Chemistry and Physics</i> , 2021, 262, 124289.	4.0	19

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19	Non-enzymatic colorimetric biosensor for hydrogen peroxide using lignin-based silver nanoparticles tuned with ionic liquid as a peroxidase mimic. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103164.	4.9	23
20	Production of Food-Grade Glucose from Rice and Wheat Residues Using a Biocompatible Ionic Liquid. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8080-8089.	6.7	17
21	Sustainable mixed matrix membranes containing porphyrin and polysulfone polymer for acid gas separations. <i>Journal of Hazardous Materials</i> , 2021, 411, 125155.	12.4	20
22	Effect of molecular structure of cation and anions of ionic liquids and co-solvents on selectivity of 5-hydroxymethylfurfural from sugars, cellulose and real biomass. <i>Journal of Molecular Liquids</i> , 2021, 334, 116523.	4.9	19
23	Fabrication and performance evaluation of polymeric membrane using blood compatible hydroxyapatite for artificial kidney application. <i>Artificial Organs</i> , 2021, 45, 1377-1390.	1.9	6
24	Evaluating the potential of a novel hardwood biomass using a superbase ionic liquid. <i>RSC Advances</i> , 2021, 11, 19095-19105.	3.6	15
25	Low-Viscosity Ether-Functionalized Ionic Liquids as Solvents for the Enhancement of Lignocellulosic Biomass Dissolution. <i>Processes</i> , 2021, 9, 261.	2.8	6
26	Ionic-Liquid-Stabilized TiO ₂ Nanostructures: A Platform for Detection of Hydrogen Peroxide. <i>ACS Omega</i> , 2021, 6, 32754-32762.	3.5	12
27	Prosthodontics dental materials: From conventional to unconventional. <i>Materials Science and Engineering C</i> , 2020, 106, 110167.	7.3	51
28	Membranes for CO ₂ /CH ₄ and CO ₂ /N ₂ Gas Separation. <i>Chemical Engineering and Technology</i> , 2020, 43, 184-199.	1.5	71
29	Deep eutectic solvent-mediated synthesis of ceria nanoparticles with the enhanced yield for photocatalytic degradation of flumequine under UV-C. <i>Journal of Water Process Engineering</i> , 2020, 33, 101012.	5.6	67
30	Perylene based novel mixed matrix membranes with enhanced selective pure and mixed gases (CO ₂ , CH ₄). <i>Tj ETQq0000rgBT/Overlock</i>	4.4	24
31	Aqueous Solution of a Basic Ionic Liquid: A Perspective Solvent for Extraction and Regeneration of Silk Powder from Bombyx mori Silk Cocoons. <i>Journal of Polymers and the Environment</i> , 2020, 28, 657-667.	5.0	18
32	Probe sonication assisted ionic liquid treatment for rapid dissolution of lignocellulosic biomass. <i>Cellulose</i> , 2020, 27, 2135-2148.	4.9	32
33	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.	9.3	45
34	Biomedical and photocatalytic applications of biosynthesized silver nanoparticles: Ecotoxicology study of brilliant green dye and its mechanistic degradation pathways. <i>Journal of Molecular Liquids</i> , 2020, 319, 114114.	4.9	49
35	Extraction of basil seed mucilage using ionic liquid and preparation of AuNps/mucilage nanocomposite for catalytic degradation of dye. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 1847-1857.	7.5	14
36	Colorimetric based sensing of dopamine using ionic liquid functionalized drug mediated silver nanostructures. <i>Microchemical Journal</i> , 2020, 159, 105382.	4.5	34

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37	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.	3.8	21
38	Extraction of lignin and quantitative sugar release from biomass using efficient and cost-effective pyridinium protic ionic liquids. <i>RSC Advances</i> , 2020, 10, 44003-44014.	3.6	17
39	Phytosynthesis of cerium oxide nanoparticles and investigation of their photocatalytic potential for degradation of phenol under visible light. <i>Journal of Molecular Structure</i> , 2020, 1217, 128292.	3.6	40
40	Colorimetric Sensing of Hydrogen Peroxide Using Ionic Liquid Sensitized Zero Valent Copper Nanoparticle (nZVCu). <i>ChemistrySelect</i> , 2020, 5, 6066-6074.	1.5	13
41	Nano-zerovalent copper as a Fenton-like catalyst for the degradation of ciprofloxacin in aqueous solution. <i>Journal of Water Process Engineering</i> , 2020, 37, 101325.	5.6	48
42	Synthesis and characterization of cellulose/hydroxyapatite based dental restorative composites. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2020, 31, 1806-1819.	3.5	19
43	Effect of pyridinium based ionic liquid on the sensing property of NiO nanoparticle for the colorimetric detection of hydrogen peroxide. <i>Journal of Molecular Structure</i> , 2020, 1219, 128620.	3.6	13
44	Conversion of biomass to chemicals using ionic liquids. , 2020, , 1-30.		3
45	CO ₂ capturing, thermo-kinetic principles, synthesis and amine functionalization of covalent organic polymers for CO ₂ separation from natural gas: A review. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 77, 103203.	4.4	68
46	Water quality assessment of lower Jhelum canal in Pakistan by using geographic information system (GIS). <i>Groundwater for Sustainable Development</i> , 2020, 10, 100357.	4.6	32
47	Development of new organic-inorganic, hybrid bionanocomposite from cellulose and clay for enhanced removal of Drimarine Yellow HF-3GL dye. <i>International Journal of Biological Macromolecules</i> , 2020, 149, 1059-1071.	7.5	84
48	Synthesis of an anti-cariogenic experimental dental composite containing novel drug-decorated copper particles. <i>Materials Science and Engineering C</i> , 2020, 114, 111040.	7.3	8
49	One-Pot Deconstruction and Conversion of Lignocellulose Into Reducing Sugars by Pyridinium-Based Ionic Liquid Metal Salt System. <i>Frontiers in Chemistry</i> , 2020, 8, 236.	3.6	22
50	Keratin - Based materials for biomedical applications. <i>Bioactive Materials</i> , 2020, 5, 496-509.	15.6	187
51	Cellulose Based Biomaterials: Benefits and Challenges. , 2020, , 229-246.		8
52	Effect of pyrazolium ionic liquid halide content on in-situ transesterification of Castor Bean (Ricinus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	9.6	6
53	Synthesis of enriched boron nitride nanocrystals: A potential element for biomedical applications. <i>Applied Radiation and Isotopes</i> , 2020, 166, 109404.	1.5	5
54	Facile CO ₂ Separation in Composite Membranes. <i>Chemical Engineering and Technology</i> , 2019, 42, 30-44.	1.5	45

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55	Lignin and Lignin Based Materials for the Removal of Heavy Metals from Waste Water-An Overview. <i>Zeitschrift Fur Physikalische Chemie</i> , 2019, 233, 315-345.	2.8	67
56	Synergistic effects of activated carbon and nano-zerovalent copper on the performance of hydroxyapatite-alginate beads for the removal of As ³⁺ from aqueous solution. <i>Journal of Cleaner Production</i> , 2019, 235, 875-886.	9.3	108
57	Fabrication of hexagonal boron nitride quantum dots via a facile bottom-up technique. <i>Ceramics International</i> , 2019, 45, 22765-22768.	4.8	24
58	Ionic liquid as a moderator for improved sensing properties of TiO ₂ nanostructures for the detection of acetone biomarker in diabetes mellitus. <i>Journal of Molecular Liquids</i> , 2019, 294, 111681.	4.9	20
59	Greener synthesis of zinc oxide nanoparticles using <i>Trianthema portulacastrum</i> extract and evaluation of its photocatalytic and biological applications. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 192, 147-157.	3.8	133
60	Nonenzymatic amperometric dopamine sensor based on a carbon ceramic electrode of type SiO ₂ /C modified with Co ₃ O ₄ nanoparticles. <i>Mikrochimica Acta</i> , 2019, 186, 471.	5.0	25
61	Acidic ionic liquids: Promising and cost-effective solvents for processing of lignocellulosic biomass. <i>Journal of Molecular Liquids</i> , 2019, 287, 110943.	4.9	100
62	Preparation of cellulosic Ag-nanocomposites using an ionic liquid. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2019, 30, 785-796.	3.5	5
63	Synergistic effects of bismuth coupling on the reactivity and reusability of zerovalent iron nanoparticles for the removal of cadmium from aqueous solution. <i>Science of the Total Environment</i> , 2019, 669, 333-341.	8.0	39
64	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.	9.3	47
65	Fabrication and Evaluation of Cellulose-Alginate-Hydroxyapatite Beads for the Removal of Heavy Metal Ions from Aqueous Solutions. <i>Zeitschrift Fur Physikalische Chemie</i> , 2019, 233, 1351-1375.	2.8	15
66	COSMO-RS predictions, hydrogen bond basicity values and experimental evaluation of amino acid-based ionic liquids for lignocellulosic biomass dissolution. <i>Journal of Molecular Liquids</i> , 2019, 273, 215-221.	4.9	30
67	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.	5.8	31
68	Ionic liquid as a potential solvent for preparation of collagen-alginate-hydroxyapatite beads as bone filler. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018, 29, 1168-1184.	3.5	26
69	FTIR analysis of natural and synthetic collagen. <i>Applied Spectroscopy Reviews</i> , 2018, 53, 703-746.	6.7	314
70	Organo-bridged silsesquioxane incorporated mesoporous silica as a carrier for the controlled delivery of ibuprofen and fluorouracil. <i>Journal of Molecular Liquids</i> , 2018, 258, 319-326.	4.9	42
71	Enhanced antimicrobial, anti-oxidant applications of green synthesized AgNPs- an acute chronic toxicity study of phenolic azo dyes & study of materials surface using X-ray photoelectron spectroscopy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 180, 208-217.	3.8	44
72	In situ immobilization of CuO on SiO ₂ /graphite matrix, modified with benzimidazolium-1-acetate ionic liquid: Application as catechol sensor. <i>Journal of Molecular Liquids</i> , 2018, 251, 450-457.	4.9	12

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73	Efficient conversion of lignocellulosic biomass to levulinic acid using acidic ionic liquids. <i>Carbohydrate Polymers</i> , 2018, 181, 208-214.	10.2	119
74	Dicationic ionic liquids as sustainable approach for direct conversion of cellulose to levulinic acid. <i>Journal of Cleaner Production</i> , 2018, 170, 591-600.	9.3	82
75	Thermophysical properties and ecotoxicity of new nitrile functionalised protic ionic liquids. <i>Journal of Molecular Liquids</i> , 2018, 249, 583-590.	4.9	20
76	Pyridinium based ionic liquid: A pretreatment solvent and reaction medium for catalytic conversion of cellulose to total reducing sugars (TRS). <i>Journal of Molecular Liquids</i> , 2018, 272, 330-336.	4.9	25
77	Recent progress in the utilization of biosynthesized polyhydroxyalkanoates for biomedical applications – Review. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 1294-1305.	7.5	82
78	Ionic liquid coated iron nanoparticles are promising peroxidase mimics for optical determination of H ₂ O ₂ . <i>Mikrochimica Acta</i> , 2018, 185, 302.	5.0	21
79	Toxicities, kinetics and degradation pathways investigation of ciprofloxacin degradation using iron-mediated H ₂ O ₂ based advanced oxidation processes. <i>Chemical Engineering Research and Design</i> , 2018, 117, 473-482.	5.6	51
80	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.	4.9	90
81	A new approach of probe sonication assisted ionic liquid conversion of glucose, cellulose and biomass into 5-hydroxymethylfurfural. <i>Ultrasonics Sonochemistry</i> , 2017, 37, 310-319.	8.2	64
82	Investigation of ionic liquids as a pretreatment solvent for extraction of collagen biopolymer from waste fish scales using COSMO-RS and experiment. <i>Journal of Molecular Liquids</i> , 2017, 232, 258-264.	4.9	54
83	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.	4.9	14
84	Dicationic imidazolium based ionic liquids: Synthesis and properties. <i>Journal of Molecular Liquids</i> , 2017, 227, 98-105.	4.9	67
85	The pyrolysis kinetics of the conversion of Malaysian kaolin to metakaolin. <i>Applied Clay Science</i> , 2017, 146, 152-161.	5.2	78
86	Ionic liquids pretreatment for fabrication of agro-residue/thermoplastic starch based composites: A comparative study with other pretreatment technologies. <i>Journal of Cleaner Production</i> , 2017, 161, 257-266.	9.3	26
87	Biomedical applications of green synthesized Nobel metal nanoparticles. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 173, 150-164.	3.8	98
88	A non-enzymatic glucose sensor based on CuO-nanostructure modified carbon ceramic electrode. <i>Journal of Molecular Liquids</i> , 2017, 248, 425-431.	4.9	29
89	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.	1.9	21
90	An application of ionic liquid for preparation of homogeneous collagen and alginate hydrogels for skin dressing. <i>Journal of Molecular Liquids</i> , 2017, 243, 720-725.	4.9	43

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91	Supported protic ionic liquid membrane based on 3-(trimethoxysilyl)propan-1-aminium acetate for the highly selective separation of CO ₂ . Journal of Membrane Science, 2017, 543, 301-309.	8.2	65
92	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.	1.5	19
93	Biomimetic nitrogen doped titania nanoparticles as a colorimetric platform for hydrogen peroxide detection. Journal of Colloid and Interface Science, 2017, 505, 1147-1157.	9.4	31
94	Development of ethanolamine-based ionic liquid membranes for efficient CO ₂ /CH ₄ separation. Journal of Applied Polymer Science, 2017, 134, 45395.	2.6	28
95	Preparation and kinetics study of biodiesel production from waste cooking oil using new functionalized ionic liquids as catalysts. Renewable Energy, 2017, 114, 755-765.	8.9	78
96	Photo catalytic applications of gold nanoparticles synthesized by green route and electrochemical degradation of phenolic Azo dyes using AuNPs/GC as modified paste electrode. Journal of Alloys and Compounds, 2017, 725, 869-876.	5.5	80
97	Protic ionic liquids as a versatile modulator and stabilizer in regulating artificial peroxidase activity of carbon materials for glucose colorimetric sensing. Journal of Molecular Liquids, 2017, 243, 333-340.	4.9	12
98	Cellulose-based Materials for the Removal of Heavy Metals from Wastewater – An Overview. ChemBioEng Reviews, 2017, 4, 240-256.	4.4	125
99	Vibrational spectroscopy of selective dental restorative materials. Applied Spectroscopy Reviews, 2017, 52, 507-540.	6.7	83
100	Amine bridges grafted mesoporous silica, as a prolonged/controlled drug release system for the enhanced therapeutic effect of short life drugs. Materials Science and Engineering C, 2017, 72, 34-41.	7.3	23
101	Biological behavior of bioactive glasses and their composites. RSC Advances, 2016, 6, 70197-70214.	3.6	26
102	Enhanced photocatalytic and electrocatalytic applications of green synthesized silver nanoparticles. Journal of Molecular Liquids, 2016, 220, 248-257.	4.9	68
103	Kinetics and thermodynamic parameters of ionic liquid pretreated rubber wood biomass. Journal of Molecular Liquids, 2016, 223, 754-762.	4.9	73
104	Synthesis, characterization and physicochemical properties of dual-functional acidic ionic liquids. Journal of Molecular Liquids, 2016, 223, 81-88.	4.9	32
105	Liquid-Liquid extraction of aromatics and sulfur compounds from base oil using ionic liquids. Journal of Environmental Chemical Engineering, 2016, 4, 4786-4793.	6.7	20
106	Biosorption of nickel (II) and copper (II) ions from aqueous solution using novel biomass derived from <i>Nannorrhops ritchiana</i> (Mazri Palm). Desalination and Water Treatment, 2016, 57, 3964-3974.	1.0	20
107	Dental materials for cleft palate repair. Materials Science and Engineering C, 2016, 61, 1018-1028.	7.3	31
108	Extraction of biocompatible hydroxyapatite from fish scales using novel approach of ionic liquid pretreatment. Separation and Purification Technology, 2016, 161, 129-135.	7.9	87

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109	Impact of Ball-Milling Pretreatment on Pyrolysis Behavior and Kinetics of Crystalline Cellulose. Waste and Biomass Valorization, 2016, 7, 571-581.	3.4	58
110	Enzymatic browning reduction in white cabbage, potent antibacterial and antioxidant activities of biogenic silver nanoparticles. Journal of Molecular Liquids, 2016, 215, 39-46.	4.9	69
111	Dissolution and Separation of Wood Biopolymers Using Ionic Liquids. ChemBioEng Reviews, 2015, 2, 257-278.	4.4	43
112	Effect of ionic liquid on thermo-physical properties of bamboo biomass. Wood Science and Technology, 2015, 49, 897-913.	3.2	26
113	Ionic liquids based fluorination of organic compounds using electrochemical method. Journal of Industrial and Engineering Chemistry, 2015, 31, 26-38.	5.8	23
114	Synthesis, COSMO-RS analysis and optical properties of surface modified ZnS quantum dots using ionic liquids. Journal of Physics and Chemistry of Solids, 2015, 85, 34-38.	4.0	19
115	Synthesis and Thermophysical Properties of Hydrogensulfate Based Acidic Ionic Liquids. Journal of Solution Chemistry, 2015, 44, 875-889.	1.2	40
116	Synthesis, characterization and the effect of temperature on different physicochemical properties of protic ionic liquids. RSC Advances, 2015, 5, 71449-71461.	3.6	47
117	Copper phthalocyanine modified SiO ₂ /C electrode as a biomimetic electrocatalyst for 4-aminophenol in the development of an amperometric sensor. RSC Advances, 2015, 5, 87043-87050.	3.6	14
118	Density and excess molar volume of binary mixture of thiocyanate-based ionic liquids and methanol at temperatures 293.15–323.15K. Journal of Molecular Liquids, 2015, 211, 734-741.	4.9	29
119	Evaluation of Thermophysical Properties of Functionalized Imidazolium Thiocyanate Based Ionic Liquids. Industrial & Engineering Chemistry Research, 2015, 54, 12428-12437.	3.7	45
120	An overview of the role of ionic liquids in biodiesel reactions. Journal of Industrial and Engineering Chemistry, 2015, 21, 1-10.	5.8	98
121	Modelling in mixed matrix membranes for gas separation. Canadian Journal of Chemical Engineering, 2015, 93, 88-95.	1.7	22
122	New Cholinesterase Inhibitory Constituents from <i>Lonicera quinquelocularis</i> . PLoS ONE, 2014, 9, e94952.	2.5	7
123	Asperal: A New Clerodane Diterpene from <i>Sonchus asper</i> . Asian Journal of Chemistry, 2014, 26, 2699-2701.	0.3	2
124	Farmanol: A New Dammarane Methoxytriterpenediol from <i>Nepeta suaveis</i> . Asian Journal of Chemistry, 2014, 26, 119-121.	0.3	1
125	Synthesis and Thermophysical Properties of Imidazolium-Based Bronsted Acidic Ionic Liquids. Journal of Chemical & Engineering Data, 2014, 59, 579-584.	1.9	23
126	A Brønsted ammonium ionic liquid-KOH two-stage catalyst for biodiesel synthesis from crude palm oil. Industrial Crops and Products, 2013, 41, 144-149.	5.2	57

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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.	5.8	62
128	Preparation and Characterization of Blended Composite Membranes. <i>Advanced Materials Research</i> , 2012, 488-489, 506-510.	0.3	1
129	Synthesis and Physical Properties of Choline Carboxylate Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 2191-2196.	1.9	111
130	Effect of Ionic Liquid Treatment on Pyrolysis Products from Bamboo. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 2280-2289.	3.7	60
131	Thermophysical Properties of Dual Functionalized Imidazolium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 737-743.	1.9	40
132	Separation of CO ₂ from CH ₄ using polysulfone/polyimide silica nanocomposite membranes. <i>Separation and Purification Technology</i> , 2012, 90, 162-172.	7.9	100
133	Kinetics of thermal degradation of polysulfone/polyimide blended polymeric membranes. <i>Journal of Applied Polymer Science</i> , 2012, 123, 3755-3763.	2.6	27
134	Ionic liquidâ€™a future solvent for the enhanced uses of wood biomass. <i>European Journal of Wood and Wood Products</i> , 2012, 70, 125-133.	2.9	72
135	Synthesis and Thermophysical Properties of Low Viscosity Amino Acid-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 3157-3162.	1.9	100
136	Preparation of Cellulose Nanocrystals Using an Ionic Liquid. <i>Journal of Polymers and the Environment</i> , 2011, 19, 726-731.	5.0	180
137	Dissolution and Delignification of Bamboo Biomass Using Amino Acid-Based Ionic Liquid. <i>Applied Biochemistry and Biotechnology</i> , 2011, 165, 998-1009.	2.9	81
138	Preparation of asymmetric polysulfone/polyimide blended membranes for CO ₂ separation. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 2050-2056.	2.7	44
139	Effect of varying solvents compositions on morphology and gas permeation properties on membranes blends for CO ₂ separation from natural gas. <i>Journal of Membrane Science</i> , 2011, 378, 444-452.	8.2	47
140	The Study of Wear Behaviour of 12-hydroxystearic Acid in Vegetable Oils. <i>Journal of Applied Sciences</i> , 2011, 11, 1381-1385.	0.3	10
141	Studies on the Thermal Degradation Behavior of Ionic Liquid Regenerated Cellulose. <i>Waste and Biomass Valorization</i> , 2010, 1, 315-321.	3.4	19
142	Kinetics of Thermal Degradation of Ionic Liquid Regenerated Cellulose. <i>Advanced Materials Research</i> , 0, 488-489, 923-927.	0.3	0
143	Gas Permeation Models in Mixed Matrix Membranes for Gas Separation. <i>Advanced Materials Research</i> , 0, 917, 317-324.	0.3	4
144	Plasma-based ozonolysis of lignin waste materials for the production of value-added chemicals. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	4.6	4

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145	Efficient removal of methylene blue dye using mangosteen peel waste: kinetics, isotherms and artificial neural network (ANN) modelling. , 0, 86, 191-202.		13
146	Sustainable silver nanoparticles as the vector for green therapeutics in oncology. Applied Nanoscience (Switzerland), 0, , 1.	3.1	1