

# Mohd Ali Hashim

## List of Publications by Year in descending order

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206  
papers

15,961  
citations

15466

65  
h-index

17546

121  
g-index

209  
all docs

209  
docs citations

209  
times ranked

15325  
citing authors

#	ARTICLE	IF	CITATIONS
1	Superoxide Ion: Generation and Chemical Implications. <i>Chemical Reviews</i> , 2016, 116, 3029-3085.	23.0	1,458
2	Remediation technologies for heavy metal contaminated groundwater. <i>Journal of Environmental Management</i> , 2011, 92, 2355-2388.	3.8	697
3	Are deep eutectic solvents benign or toxic?. <i>Chemosphere</i> , 2013, 90, 2193-2195.	4.2	473
4	Microemulsion method: A novel route to synthesize organic and inorganic nanomaterials. <i>Arabian Journal of Chemistry</i> , 2012, 5, 397-417.	2.3	462
5	Potential applications of deep eutectic solvents in nanotechnology. <i>Chemical Engineering Journal</i> , 2015, 273, 551-567.	6.6	415
6	Applications of deep eutectic solvents in biotechnology and bioengineering—Promises and challenges. <i>Biotechnology Advances</i> , 2017, 35, 105-134.	6.0	361
7	Phosphonium-Based Ionic Liquids Analogues and Their Physical Properties. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 4632-4637.	1.0	345
8	Glycerol-based deep eutectic solvents: Physical properties. <i>Journal of Molecular Liquids</i> , 2016, 215, 98-103.	2.3	294
9	An overview of cathode material and catalysts suitable for generating hydrogen in microbial electrolysis cell. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 1745-1757.	3.8	289
10	Biosorption of cadmium by brown, green, and red seaweeds. <i>Chemical Engineering Journal</i> , 2004, 97, 249-255.	6.6	286
11	Electrochemical approaches to the production of graphene flakes and their potential applications. <i>Carbon</i> , 2013, 54, 1-21.	5.4	285
12	Glucose-based deep eutectic solvents: Physical properties. <i>Journal of Molecular Liquids</i> , 2013, 178, 137-141.	2.3	285
13	A novel technique for separating glycerine from palm oil-based biodiesel using ionic liquids. <i>Fuel Processing Technology</i> , 2010, 91, 116-120.	3.7	265
14	Densities of ammonium and phosphonium based deep eutectic solvents: Prediction using artificial intelligence and group contribution techniques. <i>Thermochimica Acta</i> , 2012, 527, 59-66.	1.2	264
15	Application of carbon materials in redox flow batteries. <i>Journal of Power Sources</i> , 2014, 253, 150-166.	4.0	262
16	Fruit sugar-based deep eutectic solvents and their physical properties. <i>Thermochimica Acta</i> , 2012, 541, 70-75.	1.2	260
17	The role of ionic liquids in desulfurization of fuels: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 76, 1534-1549.	8.2	247
18	Investigating the electrochemical windows of ionic liquids. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 106-112.	2.9	242

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19	Assessment of cytotoxicity and toxicity for phosphonium-based deep eutectic solvents. <i>Chemosphere</i> , 2013, 93, 455-459.	4.2	217
20	Prospects of applying ionic liquids and deep eutectic solvents for renewable energy storage by means of redox flow batteries. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 30, 254-270.	8.2	212
21	In Vitro and In Vivo Toxicity Profiling of Ammonium-Based Deep Eutectic Solvents. <i>PLoS ONE</i> , 2015, 10, e0117934.	1.1	204
22	Prediction of deep eutectic solvents densities at different temperatures. <i>Thermochimica Acta</i> , 2011, 515, 67-72.	1.2	200
23	Using Deep Eutectic Solvents Based on Methyl Triphenyl Phosphonium Bromide for the Removal of Glycerol from Palm-Oil-Based Biodiesel. <i>Energy &amp; Fuels</i> , 2011, 25, 2671-2678.	2.5	189
24	Evaluation of toxicity and biodegradability for cholinium-based deep eutectic solvents. <i>RSC Advances</i> , 2015, 5, 83636-83647.	1.7	180
25	Spirulina cultivation in digested sago starch factory wastewater. <i>Journal of Applied Phycology</i> , 2000, 12, 395-400.	1.5	177
26	Functionalization of graphene using deep eutectic solvents. <i>Nanoscale Research Letters</i> , 2015, 10, 1004.	3.1	172
27	Ionic liquids in supported liquid membrane technology. <i>Chemical Engineering Journal</i> , 2011, 171, 242-254.	6.6	165
28	Contemporary Environmental Issues of Landfill Leachate: Assessment and Remedies. <i>Critical Reviews in Environmental Science and Technology</i> , 2015, 45, 472-590.	6.6	156
29	Ionic Liquid-Carbon Nanomaterial Hybrids for Electrochemical Sensor Applications: a Review. <i>Electrochimica Acta</i> , 2016, 193, 321-343.	2.6	156
30	Physical properties of ethylene glycol-based deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2019, 276, 794-800.	2.3	150
31	A novel phosphonium-based deep eutectic catalyst for biodiesel production from industrial low grade crude palm oil. <i>Chemical Engineering Science</i> , 2013, 92, 81-88.	1.9	141
32	Separation of vitamin E (tocopherol, tocotrienol, and tocotrienol) in palm oil. <i>Lipids</i> , 2004, 39, 1031-1035.	0.7	130
33	A new processing route for cleaner production of biodiesel fuel using a choline chloride based deep eutectic solvent. <i>Journal of Cleaner Production</i> , 2014, 65, 246-251.	4.6	129
34	Prediction of the surface tension of deep eutectic solvents. <i>Fluid Phase Equilibria</i> , 2012, 319, 48-54.	1.4	126
35	Eutectic solvents for the removal of residual palm oil-based biodiesel catalyst. <i>Separation and Purification Technology</i> , 2011, 81, 216-222.	3.9	121
36	Unraveling the cytotoxicity and metabolic pathways of binary natural deep eutectic solvent systems. <i>Scientific Reports</i> , 2017, 7, 41257.	1.6	121

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37	Separation of BTEX aromatics from n-octane using a (tetrabutylammonium bromide + sulfolane) deep eutectic solvent – experiments and COSMO-RS prediction. RSC Advances, 2014, 4, 17597.	1.7	117
38	Efficient removal of benzene from cyclohexane-benzene mixtures using deep eutectic solvents – COSMO-RS screening and experimental validation. Journal of Chemical Thermodynamics, 2017, 104, 33-44.	1.0	114
39	Progress in the electrochemical modification of graphene-based materials and their applications. Electrochimica Acta, 2013, 107, 425-440.	2.6	112
40	Microbiological and biochemical changes during the composting of oil palm empty-fruit-bunches. Effect of nitrogen supplementation on the substrate. Bioresource Technology, 1995, 52, 133-144.	4.8	98
41	Removal of Thiophene from Mixtures with n-Heptane by Selective Extraction Using Deep Eutectic Solvents. Industrial & Engineering Chemistry Research, 2016, 55, 8415-8423.	1.8	98
42	Performance evaluation of organic emulsion liquid membrane on phenol removal. Journal of Hazardous Materials, 2010, 184, 255-260.	6.5	97
43	Liquid-liquid equilibria for the ternary system (phosphonium based deep eutectic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 2012, 314, 52-59.	1.4	97
44	Evaluating the Performance of Deep Eutectic Solvents for Use in Extractive Denitrification of Liquid Fuels by the Conductor-like Screening Model for Real Solvents. Journal of Chemical & Engineering Data, 2014, 59, 3470-3487.	1.0	97
45	Allyl triphenyl phosphonium bromide based DES-functionalized carbon nanotubes for the removal of mercury from water. Chemosphere, 2017, 167, 44-52.	4.2	95
46	Indicators for assessment of sustainable production: A case study of the petrochemical industry in Malaysia. Ecological Indicators, 2013, 24, 392-402.	2.6	93
47	Absorption of carbon dioxide in the aqueous mixtures of methyl-diethanolamine with three types of imidazolium-based ionic liquids. Fluid Phase Equilibria, 2011, 309, 76-82.	1.4	92
48	Physicochemical properties of ammonium-based deep eutectic solvents and their electrochemical evaluation using organometallic reference redox systems. Electrochimica Acta, 2013, 113, 205-211.	2.6	90
49	Lead removal from water by choline chloride based deep eutectic solvents functionalized carbon nanotubes. Journal of Molecular Liquids, 2016, 222, 883-894.	2.3	90
50	Phase equilibria of toluene/heptane with tetrabutylphosphonium bromide based deep eutectic solvents for the potential use in the separation of aromatics from naphtha. Fluid Phase Equilibria, 2012, 333, 47-54.	1.4	89
51	Functionalization of CNTs surface with phosphonium based deep eutectic solvents for arsenic removal from water. Applied Surface Science, 2016, 389, 216-226.	3.1	89
52	Chromium removal by emulsion liquid membrane using [BMIM]+[NTf2]– as stabilizer and TOMAC as extractant. Desalination, 2011, 278, 50-56.	4.0	88
53	Extractive denitrogenation of diesel fuel using ammonium- and phosphonium-based deep eutectic solvents. Journal of Chemical Thermodynamics, 2016, 95, 164-173.	1.0	86
54	Triethylene glycol based deep eutectic solvents and their physical properties. Journal of the Taiwan Institute of Chemical Engineers, 2015, 50, 24-30.	2.7	83

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55	Intensification of biotransformations using deep eutectic solvents: Overview and outlook. <i>Process Biochemistry</i> , 2018, 66, 33-60.	1.8	83
56	Novel deep eutectic solvent-functionalized carbon nanotubes adsorbent for mercury removal from water. <i>Journal of Colloid and Interface Science</i> , 2017, 497, 413-421.	5.0	81
57	A novel ammonium based eutectic solvent for the treatment of free fatty acid and synthesis of biodiesel fuel. <i>Industrial Crops and Products</i> , 2013, 46, 392-398.	2.5	80
58	Taguchi optimization approach for production of activated carbon from phosphoric acid impregnated palm kernel shell by microwave heating. <i>Journal of Cleaner Production</i> , 2015, 105, 420-427.	4.6	77
59	Comparison of ionic liquid, acid and alkali pretreatments for sugarcane bagasse enzymatic saccharification. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 1342-1348.	1.6	76
60	Prediction of refractive index and density of deep eutectic solvents using atomic contributions. <i>Fluid Phase Equilibria</i> , 2013, 354, 304-311.	1.4	76
61	A comparative study of experimental optimization and response surface optimization of Cr removal by emulsion ionic liquid membrane. <i>Journal of Hazardous Materials</i> , 2011, 195, 383-390.	6.5	71
62	Experimental Investigation on the Solubility and Initial Rate of Absorption of CO <sub>2</sub> in Aqueous Mixtures of Methyldiethanolamine with the Ionic Liquid 1-Butyl-3-methylimidazolium Tetrafluoroborate. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 5733-5738.	1.0	70
63	Electrical conductivity of ammonium and phosphonium based deep eutectic solvents: Measurements and artificial intelligence-based prediction. <i>Fluid Phase Equilibria</i> , 2013, 356, 30-37.	1.4	70
64	Behavior of hydrophobic ionic liquids as liquid membranes on phenol removal: Experimental study and optimization. <i>Desalination</i> , 2011, 278, 250-258.	4.0	68
65	Zinc (II) chloride-based deep eutectic solvents for application as electrolytes: Preparation and characterization. <i>Journal of Molecular Liquids</i> , 2015, 204, 76-83.	2.3	67
66	Pure and aqueous deep eutectic solvents for a lipase-catalysed hydrolysis reaction. <i>Biochemical Engineering Journal</i> , 2017, 117, 129-138.	1.8	66
67	Ammonium-based deep eutectic solvents as novel soil washing agent for lead removal. <i>Chemical Engineering Journal</i> , 2016, 294, 316-322.	6.6	64
68	Application of supercritical fluid chromatography in the quantitative analysis of minor components (carotenes, vitamin E, sterols, and squalene) from palm oil. <i>Lipids</i> , 2005, 40, 429-432.	0.7	62
69	Optimization of the Synthesis of Superhydrophobic Carbon Nanomaterials by Chemical Vapor Deposition. <i>Scientific Reports</i> , 2018, 8, 2778.	1.6	61
70	Nanotoxicity: Dimensional and Morphological Concerns. <i>Advances in Physical Chemistry</i> , 2011, 2011, 1-15.	2.0	60
71	Phase equilibria of toluene/heptane with deep eutectic solvents based on ethyltriphenylphosphonium iodide for the potential use in the separation of aromatics from naphtha. <i>Journal of Chemical Thermodynamics</i> , 2013, 65, 138-149.	1.0	59
72	Separation of aromatic and aliphatic hydrocarbons using deep eutectic solvents: A critical review. <i>Fluid Phase Equilibria</i> , 2017, 448, 152-167.	1.4	59

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73	Performance evaluation of supported ionic liquid membrane for removal of phenol. <i>Journal of Hazardous Materials</i> , 2011, 192, 1283-1290.	6.5	57
74	Thermal stress management of a solid oxide fuel cell using neural network predictive control. <i>Energy</i> , 2013, 62, 320-329.	4.5	56
75	Coupling the capabilities of different complexing agents into deep eutectic solvents to enhance the separation of aromatics from aliphatics. <i>Journal of Chemical Thermodynamics</i> , 2015, 84, 67-75.	1.0	56
76	Electrochemical reduction of dioxygen in Bis (trifluoromethylsulfonyl) imide based ionic liquids. <i>Journal of Electroanalytical Chemistry</i> , 2011, 657, 150-157.	1.9	55
77	Long term stability of superoxide ion in piperidinium, pyrrolidinium and phosphonium cations-based ionic liquids and its utilization in the destruction of chlorobenzenes. <i>Journal of Electroanalytical Chemistry</i> , 2012, 664, 26-32.	1.9	55
78	A New Emulsion Liquid Membrane Based on a Palm Oil for the Extraction of Heavy Metals. <i>Membranes</i> , 2015, 5, 168-179.	1.4	54
79	Extraction of nitrogen compounds from diesel fuel using imidazolium- and pyridinium-based ionic liquids: Experiments, COSMO-RS prediction and NRTL correlation. <i>Fluid Phase Equilibria</i> , 2015, 405, 55-67.	1.4	54
80	Biosorption of cadmium by algal biomass: Adsorption and desorption characteristics. <i>Water Science and Technology</i> , 1997, 35, 115.	1.2	53
81	Extraction performance of chromium (VI) with emulsion liquid membrane by Cyanex 923 as carrier using response surface methodology. <i>Desalination</i> , 2011, 266, 286-290.	4.0	53
82	Extraction of Metal Ions by ELM Separation Technology. <i>Journal of Dispersion Science and Technology</i> , 2012, 33, 346-356.	1.3	53
83	Kinetics of Carbon Dioxide absorption into aqueous MDEA+ [bmim][BF <sub>4</sub> ] solutions from 303 to 333K. <i>Chemical Engineering Journal</i> , 2012, 200-202, 317-328.	6.6	53
84	The electrochemical behaviour of ferrocene in deep eutectic solvents based on quaternary ammonium and phosphonium salts. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 1707-1714.	1.3	53
85	Density, viscosity, physical solubility and diffusivity of CO <sub>2</sub> in aqueous MDEA+ [bmim][BF <sub>4</sub> ] solutions from 303 to 333K. <i>Chemical Engineering Journal</i> , 2011, 172, 763-770.	6.6	52
86	A novel method for the synthesis of 2-imidazolones. <i>Tetrahedron Letters</i> , 2010, 51, 1976-1978.	0.7	50
87	Functionalization of carbon nanotubes using eutectic mixtures: A promising route for enhanced aqueous dispersibility and electrochemical activity. <i>Chemical Engineering Journal</i> , 2017, 311, 326-339.	6.6	50
88	Application of guar gum for the removal of dissolved lead from wastewater. <i>Industrial Crops and Products</i> , 2018, 111, 261-269.	2.5	49
89	Performance of Choline-Based Deep Eutectic Solvents in the Extraction of Tocols from Crude Palm Oil. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2015, 92, 1709-1716.	0.8	47
90	Effects of ionic strength and pH on the adsorption equilibria of lysozyme on ion exchangers. <i>Journal of Chemical Technology and Biotechnology</i> , 1995, 62, 253-260.	1.6	44

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91	Microfiltration of water-based paint effluents. <i>Journal of Environmental Management</i> , 2004, 8, 455-466.	1.7	43
92	Liquid-liquid separation of azeotropic mixtures of ethanol/alkanes using deep eutectic solvents: COSMO-RS prediction and experimental validation. <i>Fluid Phase Equilibria</i> , 2017, 448, 105-115.	1.4	43
93	Solubility of Sodium Salts in Ammonium-Based Deep Eutectic Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , 2013, 58, 2154-2162.	1.0	42
94	Adsorption of copper(II) and EDTA-chelated copper(II) onto granular activated carbons. <i>Journal of Chemical Technology and Biotechnology</i> , 2000, 75, 1054-1060.	1.6	41
95	Copper biosorption on immobilized seaweed biomass: Column breakthrough characteristics. <i>Journal of Environmental Sciences</i> , 2007, 19, 928-932.	3.2	41
96	Isolation of Palm Tocols Using Supercritical Fluid Chromatography. <i>Journal of Chromatographic Science</i> , 2004, 42, 536-539.	0.7	39
97	Application of colloidal gas aphrons for pollution remediation. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 305-324.	1.6	38
98	Ethanesulfonic acid-based esterification of industrial acidic crude palm oil for biodiesel production. <i>Bioresource Technology</i> , 2011, 102, 9564-9570.	4.8	37
99	Physicochemical properties of piperidinium, ammonium, pyrrolidinium and morpholinium cations based ionic liquids paired with bis(trifluoromethylsulfonyl)imide anion. <i>Fluid Phase Equilibria</i> , 2016, 427, 18-26.	1.4	34
100	Arsenic removal by adsorption on activated carbon in a rotating packed bed. <i>Journal of Water Process Engineering</i> , 2019, 30, 100591.	2.6	34
101	Adsorption and desorption characteristics of zinc on ash particles derived from oil palm waste. <i>Journal of Chemical Technology and Biotechnology</i> , 2002, 77, 685-693.	1.6	33
102	Evaluation of Molecular Interaction in Binary Mixture of Ionic Liquids + Heterocyclic Nitrogen Compounds: Ab Initio Method and COSMO-RS Model. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 18043-18058.	1.8	33
103	The Effect of Temperature on Kinetics and Diffusion Coefficients of Metallocene Derivatives in Polyol-Based Deep Eutectic Solvents. <i>PLoS ONE</i> , 2015, 10, e0144235.	1.1	33
104	Prediction of glycerol removal from biodiesel using ammonium and phosphonium based deep eutectic solvents using artificial intelligence techniques. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2012, 118, 193-199.	1.8	32
105	Generation of Superoxide Ion in Pyridinium, Morpholinium, Ammonium, and Sulfonium-Based Ionic Liquids and the Application in the Destruction of Toxic Chlorinated Phenols. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 10546-10556.	1.8	32
106	An investigation of the reaction between 1-butyl-3-methylimidazolium trifluoromethanesulfonate and superoxide ion. <i>Journal of Molecular Liquids</i> , 2013, 181, 44-50.	2.3	32
107	Comparison of a plant based natural surfactant with SDS for washing of As(V) from Fe rich soil. <i>Journal of Environmental Sciences</i> , 2013, 25, 2247-2256.	3.2	32
108	Performance evaluation of vanadium (IV) transport through supported ionic liquid membrane. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2013, 44, 337-342.	2.7	32

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109	Immobilized marine algal biomass for multiple cycles of copper adsorption and desorption. Separation and Purification Technology, 2000, 19, 39-42.	3.9	30
110	The application of colloidal gas aphrons in the recovery of fine cellulose fibres from paper mill wastewater. Bioresource Technology, 1998, 64, 199-204.	4.8	29
111	Adsorption of Ni(SO <sub>4</sub> ) on Malaysian rubber-wood ash. Bioresource Technology, 2000, 72, 153-158.	4.8	29
112	A quantum chemical study on the molecular interaction between pyrrole and ionic liquids. Journal of Molecular Liquids, 2014, 194, 20-29.	2.3	29
113	Modeling Batch Equilibrium and Kinetics of Copper Removal by Crab Shell. Separation Science and Technology, 2003, 38, 3927-3950.	1.3	28
114	Analytical Solutions to the Near-Neutral Atmospheric Surface Energy Balance with and without Heat Storage for Urban Climatological Studies. Journal of Applied Meteorology and Climatology, 1991, 30, 413-424.	1.7	26
115	Emulsion stabilization using ionic liquid [BMIM] <sup>+</sup> [NTf <sub>2</sub> ] <sup>-</sup> and performance evaluation on the extraction of chromium. Journal of Hazardous Materials, 2011, 195, 55-61.	6.5	25
116	Generation of superoxide ion in 1-butyl-1-methylpyrrolidinium trifluoroacetate and its application in the destruction of chloroethanes. Journal of Molecular Liquids, 2012, 167, 28-33.	2.3	25
117	Solubility of Sodium Chloride in Ionic Liquids. Industrial & Engineering Chemistry Research, 2013, 52, 11488-11493.	1.8	25
118	Stability and performance enhancements of Electrokinetic-Fenton soil remediation. Reviews in Environmental Science and Biotechnology, 2014, 13, 251-263.	3.9	25
119	Desorption of Copper from Polyvinyl Alcohol-Immobilized Seaweed Biomass. Acta Biotechnologica, 2001, 21, 295-306.	1.0	24
120	The Effect of Gas Sparging in Cross-Flow Microfiltration of 2,3-Butanediol Fermentation Broth. Engineering in Life Sciences, 2005, 5, 54-57.	2.0	23
121	A comparative study of biopolymers and alum in the separation and recovery of pulp fibres from paper mill effluent by flocculation. Journal of Environmental Sciences, 2014, 26, 1851-1860.	3.2	23
122	Facile Route for Fuel Desulfurization Using Generated Superoxide Ion in Ionic Liquids. Industrial & Engineering Chemistry Research, 2015, 54, 12263-12269.	1.8	23
123	Enhanced removal of lead from contaminated soil by polyol-based deep eutectic solvents and saponin. Journal of Contaminant Hydrology, 2016, 194, 17-23.	1.6	23
124	Liquid-Liquid Equilibria for Binary Azeotrope Mixtures of Benzene and Alcohols Using Choline Chloride-Based Deep Eutectic Solvents. Journal of Chemical & Engineering Data, 2018, 63, 613-624.	1.0	23
125	An improvement to the basic energy balance model for urban thermal environment analysis. Energy and Buildings, 1990, 14, 143-152.	3.1	22
126	Cyclic Voltammetry of Metallic Acetylacetonate Salts in Quaternary Ammonium and Phosphonium Based Deep Eutectic Solvents. Journal of Solution Chemistry, 2013, 42, 2329-2341.	0.6	22



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127	Arsenic removal from soil with high iron content using a natural surfactant and phosphate. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 617-632.	1.8	22
128	Immobilization of urease using Amberlite MB-1. <i>Bioprocess and Biosystems Engineering</i> , 1997, 17, 355.	0.5	21
129	Performance Evaluation of Two-Stage Electrokinetic Washing as Soil Remediation Method for Lead Removal using Different Wash Solutions. <i>Electrochimica Acta</i> , 2014, 147, 9-18.	2.6	21
130	Remediation of Pb/Cr co-contaminated soil using electrokinetic process and approaching electrode technique. <i>Environmental Science and Pollution Research</i> , 2016, 23, 546-555.	2.7	21
131	Immobilization of urease on vermiculite. <i>Bioprocess and Biosystems Engineering</i> , 1997, 16, 375.	0.5	20
132	Prediction of protein breakthrough behavior using simplified analytical solutions. <i>Separation and Purification Technology</i> , 2007, 53, 189-197.	3.9	20
133	Generation and stability of superoxide ion in tris(pentafluoroethyl)trifluorophosphate anion-based ionic liquids. <i>Journal of Fluorine Chemistry</i> , 2012, 142, 83-89.	0.9	20
134	Esterification of sludge palm oil using trifluoromethanesulfonic acid for preparation of biodiesel fuel. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1229-1234.	1.2	20
135	Effects of operating parameters on the performance of washing electrokinetic two stage process as soil remediation method for lead removal. <i>Separation and Purification Technology</i> , 2015, 156, 403-413.	3.9	20
136	Quantitative Analysis of Copper Biosorption by the Microalga <i>Chlorella vulgaris</i> . <i>Environmental Engineering Science</i> , 2004, 21, 139-147.	0.8	19
137	Elimination of All Free Glycerol and Reduction of Total Glycerol from Palm Oil-Based Biodiesel Using Non-Glycerol Based Deep Eutectic Solvents. <i>Separation Science and Technology</i> , 2013, 48, 1184-1193.	1.3	18
138	Application of a rotating packed bed contactor for removal of Direct Red 23 by adsorption. <i>Desalination and Water Treatment</i> , 2016, 57, 13518-13526.	1.0	18
139	Superoxide Ion as Oxidative Desulfurizing Agent for Aromatic Sulfur Compounds in Ionic Liquid Media. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 1854-1863.	3.2	18
140	Liquid-liquid equilibria data for the separation of ethylbenzene/styrene mixtures using ammonium-based deep eutectic solvents. <i>Journal of Chemical Thermodynamics</i> , 2019, 135, 296-304.	1.0	18
141	Application of colloidal gas aphron suspensions produced from <i>Sapindus mukorossi</i> for arsenic removal from contaminated soil. <i>Chemosphere</i> , 2015, 119, 355-362.	4.2	17
142	Characterization of tetraethylene glycol-based deep eutectic solvents and their potential application for dissolving unsaturated fatty acids. <i>Journal of Molecular Liquids</i> , 2020, 312, 113284.	2.3	17
143	Particle-bubble attachment in yeast flotation by colloidal gas aphrons. <i>Bioprocess and Biosystems Engineering</i> , 2000, 22, 0333-0336.	1.7	16
144	Hexavalent Chromium Adsorption by a Novel Activated Carbon Prepared by Microwave Activation. <i>BioResources</i> , 2013, 9, .	0.5	16

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145	Vapor pressure of aqueous methyldiethanolamine mixed with ionic liquids. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 380-386.	2.7	16
146	Clarification of yeast by colloidal gas aphrons. Biotechnology Letters, 1995, 9, 403-408.	0.5	15
147	Densities and Viscosities of Binary Blends of Methyl Esters + Ethyl Esters and Ternary Blends of Methyl Esters + Ethyl Esters + Diesel Fuel from T = (293.15 to 358.15) K. Journal of Chemical & Engineering Data, 2012, 57, 1387-1395.	1.0	15
148	Eutectic mixture-functionalized carbon nanomaterials for selective amperometric detection of nitrite using modified glassy carbon electrode. Journal of Electroanalytical Chemistry, 2018, 812, 107-114.	1.9	15
149	Simulation of Deep Eutectic Solvents's Interaction with Membranes of Cancer Cells Using COSMO-RS. Journal of Physical Chemistry B, 2020, 124, 9086-9094.	1.2	15
150	Ternary glycerol-based deep eutectic solvents: Physicochemical properties and enzymatic activity. Chemical Engineering Research and Design, 2021, 169, 77-85.	2.7	15
151	Solubility of sodium chloride in phosphonium-based deep eutectic solvents. Journal of Molecular Liquids, 2014, 199, 344-351.	2.3	14
152	Growth and optimization of carbon nanotubes in powder activated carbon for an efficient removal of methylene blue from aqueous solution. Environmental Technology (United Kingdom), 2019, 40, 2400-2415.	1.2	14
153	Treatment of industrial low grade palm oil via esterification reaction using sonoreactor. Journal of Industrial and Engineering Chemistry, 2014, 20, 2066-2070.	2.9	13
154	A Solid Organic Acid Catalyst for the Pretreatment of Low-Grade Crude Palm Oil and Biodiesel Production. International Journal of Green Energy, 2014, 11, 129-140.	2.1	13
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