

Novel solvent properties of choline chloride/urea mixture
information (ESI) available: spectroscopic data. See
<http://www.rsc.org/suppdata/cc/b2/b210714g/>

Chemical Communications

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Adsorption and separation. , 2001, , 80-147.		0
2	Greener Solvents: Room Temperature Ionic Liquids from Biorenewable Sources. Chemistry - A European Journal, 2003, 9, 2938-2944.	1.7	203
3	Ionic liquids and eutectic mixtures as solvent and template in synthesis of zeolite analogues. Nature, 2004, 430, 1012-1016.	13.7	1,196
4	The regiospecific Fischer indole reaction in choline chloride·2ZnCl ₂ with product isolation by direct sublimation from the ionic liquid. Chemical Communications, 2004, , 158-159.	2.2	115
5	Solubility of ethyl-(2-hydroxyethyl)-dimethylammonium bromide in alcohols (C ₂ –C ₁₂). Fluid Phase Equilibria, 2005, 233, 220-227.	1.4	41
6	Eutectic mixture of choline chloride/urea as a green solvent in synthesis of a coordination polymer: [Zn(O ₃ PCH ₂ CO ₂)] ₂ ·NH ₄ . Inorganic Chemistry Communication, 2005, 8, 390-392.	1.8	132
7	O-Acetylation of cellulose and monosaccharides using a zinc based ionic liquid. Green Chemistry, 2005, 7, 705.	4.6	210
8	Selective Extraction of Metals from Mixed Oxide Matrixes Using Choline-Based Ionic Liquids. Inorganic Chemistry, 2005, 44, 6497-6499.	1.9	314
9	Combustible ionic liquids by design: is laboratory safety another ionic liquid myth?. Chemical Communications, 2006, , 2554.	2.2	301
10	1-Alkyl-3-methyl Imidazolium Bromide Ionic Liquids in the Ionothermal Synthesis of Aluminium Phosphate Molecular Sieves. Chemistry of Materials, 2006, 18, 4882-4887.	3.2	220
11	Ionic Liquid of Choline Chloride/Malonic Acid as a Solvent in the Synthesis of Open-Framework Iron Oxalato-phosphates. Inorganic Chemistry, 2006, 45, 1891-1893.	1.9	92
12	An effective synthesis of bromoesters from aromatic aldehydes using tribromide ionic liquid based on l-prolinol as reagent and reaction medium under mild conditions. Green Chemistry, 2006, 8, 1028.	4.6	51
13	Electropolishing of stainless steels in a choline chloride based ionic liquid: an electrochemical study with surface characterisation using SEM and atomic force microscopy. Physical Chemistry Chemical Physics, 2006, 8, 4214.	1.3	169
14	Areas for Further Research. Catalysis By Metal Complexes, 2006, , 237-248.	0.6	3
15	On the Freshwater Ecotoxicity and Biodegradation Properties of Some Common Ionic Liquids. Organic Process Research and Development, 2006, 10, 794-798.	1.3	320
16	Solubility of Metal Oxides in Deep Eutectic Solvents Based on Choline Chloride. Journal of Chemical & Engineering Data, 2006, 51, 1280-1282.	1.0	543
17	Approaches to crystallization from ionic liquids: complex solvents – complex results, or, a strategy for controlled formation of new supramolecular architectures?. Chemical Communications, 2006, , 4767-4779.	2.2	165
18	Cationic functionalisation of cellulose using a choline based ionic liquid analogue. Green Chemistry, 2006, 8, 784.	4.6	158

#	ARTICLE	IF	CITATIONS
19	Electrochemical behavior of Fe(II) in acetamide-urea-NaBr-KBr melt and magnetic properties of inductively codeposited Nd-Fe film. <i>Electrochimica Acta</i> , 2006, 52, 710-714.	2.6	16
20	Application of ionic liquids to the electrodeposition of metals. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 4265.	1.3	711
21	Voltammetric and impedance studies of the electropolishing of type 316 stainless steel in a choline chloride based ionic liquid. <i>Electrochimica Acta</i> , 2006, 51, 4420-4425.	2.6	185
22	Greener Media in Chemical Synthesis and Processing. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3904-3908.	7.2	113
23	Ionothermal Materials Synthesis Using Unstable Deep-Eutectic Solvents as Template-Delivery Agents. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4962-4966.	7.2	211
24	Design of Improved Deep Eutectic Solvents Using Hole Theory. <i>ChemPhysChem</i> , 2006, 7, 803-806.	1.0	406
25	Phase transition and stability of thiourea:diethyloxalate (2:1) complex. <i>Journal of Raman Spectroscopy</i> , 2006, 37, 1447-1452.	1.2	1
28	A Novel Method to Prepare Superhydrophobic, Self-Cleaning and Transparent Coatings for Biomedical Applications. , 2007, , .		5
29	Ionothermal Synthesis of Zeolites, Metal-Organic Frameworks, and Inorganic-Organic Hybrids. <i>Accounts of Chemical Research</i> , 2007, 40, 1005-1013.	7.6	809
31	Electroless deposition of metallic silver from a choline chloride-based ionic liquid: a study using acoustic impedance spectroscopy, SEM and atomic force microscopy. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 3735.	1.3	103
32	Extraction of glycerol from biodiesel into a eutectic based ionic liquid. <i>Green Chemistry</i> , 2007, 9, 868.	4.6	375
33	Bio ionic liquids: room temperature ionic liquids composed wholly of biomaterials. <i>Green Chemistry</i> , 2007, 9, 1155.	4.6	377
34	Supported choline chloride/urea as a heterogeneous catalyst for chemical fixation of carbon dioxide to cyclic carbonates. <i>Green Chemistry</i> , 2007, 9, 169-172.	4.6	228
36	Electrochemistry in Deep Eutectic Solvents. <i>Journal of Physical Chemistry B</i> , 2007, 111, 13271-13277.	1.2	252
37	Eutectic-Based Ionic Liquids with Metal-Containing Anions and Cations. <i>Chemistry - A European Journal</i> , 2007, 13, 6495-6501.	1.7	531
38	Ionothermal Synthesis of Unusual Choline-Templated Cobalt Aluminophosphates. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7839-7843.	7.2	131
40	Functional ionic liquid from biorenewable materials: synthesis and application as a catalyst in direct aldol reactions. <i>Tetrahedron Letters</i> , 2007, 48, 5613-5617.	0.7	149
41	Electrodeposition onto magnesium in air and water stable ionic liquids: From corrosion to successful plating. <i>Electrochemistry Communications</i> , 2007, 9, 2428-2435.	2.3	127

#	ARTICLE	IF	CITATIONS
42	Electrodeposition of zinc-tin alloys from deep eutectic solvents based on choline chloride. <i>Journal of Electroanalytical Chemistry</i> , 2007, 599, 288-294.	1.9	398
43	Synthesis of cadmium and zinc semiconductor compounds from an ionic liquid containing choline chloride and urea. <i>Thin Solid Films</i> , 2007, 515, 5751-5754.	0.8	59
44	Electrodeposition of chalcopyrite films from ionic liquid electrolytes. <i>Thin Solid Films</i> , 2007, 515, 5899-5903.	0.8	52
45	Ionothermal synthesis of β -NH ₄ AlF ₄ and the determination by single crystal X-ray diffraction of its room temperature and low temperature phases. <i>Journal of Solid State Chemistry</i> , 2007, 180, 49-53.	1.4	26
46	Hydroxyl-functionalized ionic liquid: a novel efficient catalyst for chemical fixation of CO ₂ to cyclic carbonate. <i>Tetrahedron Letters</i> , 2008, 49, 3588-3591.	0.7	374
47	Ionothermal Synthesis and Characterization of a Layered Propylene Diammonium Gallium Phosphate, (C ₃ H ₁₂ N ₂) ₆ [Ga ₁₂ P ₁₆ O ₆₄] · 4.3 H ₂ O. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 147-152.	0.6	20
48	Biodegradable Naphthenic Acid Ionic Liquids: Synthesis, Characterization, and Quantitative Structure-Relationship. <i>Chemistry - A European Journal</i> , 2008, 14, 11174-11182.	1.7	199
49	Open-Frame Structures of Transition-Metal Compounds. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4798-4828.	7.2	337
51	Ionothermal synthesis of a three-dimensional zinc phosphate with DFT topology using unstable deep-eutectic solvent as template-delivery agent. <i>Microporous and Mesoporous Materials</i> , 2008, 115, 624-628.	2.2	51
52	Novel binary eutectic mixtures based on imidazole. <i>Journal of Molecular Liquids</i> , 2008, 143, 154-159.	2.3	141
53	Sono-electrodeposition (20 and 850kHz) of copper in aqueous and deep eutectic solvents. <i>Electrochimica Acta</i> , 2008, 53, 4248-4256.	2.6	59
54	Sustained electroless deposition of metallic silver from a choline chloride-based ionic liquid. <i>Surface and Coatings Technology</i> , 2008, 202, 2033-2039.	2.2	93
55	Solubility of CO ₂ in a Choline Chloride + Urea Eutectic Mixture. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 548-550.	1.0	328
57	Hydrolase-catalyzed biotransformations in deep eutectic solvents. <i>Chemical Communications</i> , 2008, , 1235.	2.2	435
58	Conversion of fructose to 5-hydroxymethylfurfural using ionic liquids prepared from renewable materials. <i>Green Chemistry</i> , 2008, 10, 1280.	4.6	306
59	Metal complexation in ionic liquids. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2008, 104, 21.	0.8	72
60	Micro-scale metal contacts for capillary force-driven self-assembly. <i>Journal of Micromechanics and Microengineering</i> , 2008, 18, 015022.	1.5	44
61	Carboxyl-Functionalized Task-Specific Ionic Liquids for Solubilizing Metal Oxides. <i>Inorganic Chemistry</i> , 2008, 47, 9987-9999.	1.9	232

#	ARTICLE	IF	CITATIONS
62	Switching the basicity of ionic liquids by CO ₂ . <i>Green Chemistry</i> , 2008, 10, 1142.	4.6	93
63	Ionothermal synthesis of the Metal-Organic Framework compound Cu ₃ (BTC) ₂ . <i>Studies in Surface Science and Catalysis</i> , 2008, , 459-462.	1.5	18
64	Physicochemical properties of highly conductive urea/EtMImCl melts. <i>Chemical Communications</i> , 2008, , 2908.	2.2	17
65	Absorption of CO ₂ by ionic liquid/polyethylene glycol mixture and the thermodynamic parameters. <i>Green Chemistry</i> , 2008, 10, 879.	4.6	242
66	Electrodeposition of nickel using eutectic based ionic liquids. <i>Transactions of the Institute of Metal Finishing</i> , 2008, 86, 234-240.	0.6	158
67	Electrofinishing of metals using eutectic based ionic liquids. <i>Transactions of the Institute of Metal Finishing</i> , 2008, 86, 196-204.	0.6	152
68	Electrodeposition of zinc-manganese alloy coatings from ionic liquid electrolytes. <i>Transactions of the Institute of Metal Finishing</i> , 2008, 86, 211-219.	0.6	17
69	Electrodeposition of iron films from an ionic liquid (ChCl/urea/FeCl ₃ deep eutectic) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 67 Td (2-Hydroxy</i>	0.6	40
70	Electrolytic deposition of Zn coatings from ionic liquids based on choline chloride. <i>Transactions of the Institute of Metal Finishing</i> , 2009, 87, 201-207.	0.6	89
73	Ionothermal Synthesis of Zirconium Phosphates and Their Catalytic Behavior in the Selective Oxidation of Cyclohexane. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2206-2209.	7.2	89
74	Versatile Structure-Directing Roles of Deep Eutectic Solvents and Their Implication in the Generation of Porosity and Open Metal Sites for Gas Storage. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3486-3490.	7.2	227
75	Characterization of thermal behavior of deep eutectic solvents and their potential as drug solubilization vehicles. <i>International Journal of Pharmaceutics</i> , 2009, 378, 136-139.	2.6	417
76	Ionothermal synthesis of gallophosphate molecular sieves in 1-alkyl-3-methyl imidazolium bromide ionic liquids. <i>Microporous and Mesoporous Materials</i> , 2009, 120, 278-284.	2.2	33
77	Superhydrophobic optically transparent silica films formed with a eutectic liquid. <i>Thin Solid Films</i> , 2009, 517, 1610-1615.	0.8	60
78	A novel deep eutectic solvent-based ionic liquid used as electrolyte for dye-sensitized solar cells. <i>Electrochemistry Communications</i> , 2009, 11, 209-211.	2.3	270
79	New Crystalline Layered Zinc Phosphate with 10-Membered-Ring Channels Perpendicular to Layers. <i>Inorganic Chemistry</i> , 2009, 48, 4598-4600.	1.9	19
80	Ionothermal synthesis of ionic liquids as functional solvents in the preparation of crystalline materials. <i>Chemical Communications</i> , 2009, , 2990.	2.2	423
81	Effect of Water on Solubility of Carbon Dioxide in (Aminomethanamide +) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 67 Td (2-Hydroxy</i> <i>Engineering Data</i> , 2009, 54, 1951-1955.	1.0	130

#	ARTICLE	IF	CITATIONS
82	Nanotechnology for Fuel Cells. Nanostructure Science and Technology, 2009, , 151-183.	0.1	1
83	Processing of Electric Arc Furnace Dust using Deep Eutectic Solvents. Australian Journal of Chemistry, 2009, 62, 341.	0.5	102
84	Direct conversion of inulin to 5-hydroxymethylfurfural in biorenewable ionic liquids. Green Chemistry, 2009, 11, 873.	4.6	187
85	Electrochemistry of Room-Temperature Ionic Liquids and Melts. Modern Aspects of Electrochemistry, 2009, , 63-174.	0.2	43
86	Time Resolved in Situ Liquid Atomic Force Microscopy and Simultaneous Acoustic Impedance Electrochemical Quartz Crystal Microbalance Measurements: A Study of Zn Deposition. Analytical Chemistry, 2009, 81, 8466-8471.	3.2	49
87	Room Temperature Ionic Liquids and Eutectic Mixtures. RSC Green Chemistry, 2009, , 118-142.	0.0	2
88	Electrochemical decomposition of choline chloride based ionic liquid analogues. Green Chemistry, 2009, 11, 1357.	4.6	169
89	Freeze-Drying of Aqueous Solutions of Deep Eutectic Solvents: A Suitable Approach to Deep Eutectic Suspensions of Self-Assembled Structures. Langmuir, 2009, 25, 5509-5515.	1.6	380
90	Self polymerising ionic liquid gel. Chemical Communications, 2009, , 3041.	2.2	39
91	Nanogravimetric observation of unexpected ion exchange characteristics for polypyrrole film p-doping in a deep eutectic ionic liquid. Chemical Communications, 2009, , 935.	2.2	29
92	A novel non-centrosymmetric metallophosphate-borate compound via ionothermal synthesis. Dalton Transactions, 2009, , 5287.	1.6	42
93	Template control in ionothermal synthesis of aluminophosphate microporous materials. Dalton Transactions, 2009, , 10418.	1.6	22
94	Ionothermal synthesis, structure and characterization of three-dimensional zinc phosphates. Dalton Transactions, 2009, , 6715.	1.6	21
95	Lanthanide-doped luminescent ionogels. Dalton Transactions, 2009, , 298-306.	1.6	142
96	Conversion of carbohydrates into 5-hydroxymethylfurfural in highly concentrated low melting mixtures. Green Chemistry, 2009, 11, 1948.	4.6	264
97	Title is missing!. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2009, 60, 497-501.	0.1	2
98	Electrochemical synthesis of 5-hydroxymethylfurfural from carbohydrates in ionic liquids. Electrochemistry, 2010, 78, 549-552.	0.1	2
99	Deep Eutectic Solvents for <i>Candida antarctica</i> Lipase B-Catalyzed Reactions. ACS Symposium Series, 2010, , 169-180.	0.5	29

#	ARTICLE	IF	CITATIONS
100	Electro-generated nickel/carbon nanotube composites in ionic liquid. <i>Electrochimica Acta</i> , 2010, 55, 5407-5410.	2.6	52
101	Electrochemical double layer at the interfaces of Hg/choline chloride based solvents. <i>Electrochimica Acta</i> , 2010, 55, 8916-8920.	2.6	61
102	Toward advanced ionic liquids. Polar, enzyme-friendly solvents for biocatalysis. <i>Biotechnology and Bioprocess Engineering</i> , 2010, 15, 40-53.	1.4	245
103	Two Chain Like B-Type-Anderson-Based Hybrids Synthesized in Choline Chloride/Urea Eutectic Mixture. <i>Journal of Cluster Science</i> , 2010, 21, 133-145.	1.7	22
104	Lubrication of Steel/Steel Contacts by Choline Chloride Ionic Liquids. <i>Tribology Letters</i> , 2010, 37, 103-110.	1.2	71
105	The ionothermal synthesis of metal organic frameworks, $\text{Ln}(\text{C}_9\text{O}_6\text{H}_3)((\text{CH}_3\text{NH})_2\text{CO})_2$, using deep eutectic solvents. <i>Solid State Sciences</i> , 2010, 12, 418-421.	1.5	50
106	Preparation of Inorganic Materials Using Ionic Liquids. <i>Advanced Materials</i> , 2010, 22, 261-285.	11.1	726
110	Bacteria Incorporation in Deep Eutectic Solvents through Freeze Drying. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2158-2162.	7.2	158
111	DNA and RNA in Anhydrous Media: Duplex, Triplex, and G-Quadruplex Secondary Structures in a Deep Eutectic Solvent. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6310-6314.	7.2	190
112	Methods for stabilizing and activating enzymes in ionic liquids—a review. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 891-907.	1.6	327
113	Deep eutectic solvents (DESs) are viable cosolvents for enzyme-catalyzed epoxide hydrolysis. <i>Journal of Biotechnology</i> , 2010, 147, 169-171.	1.9	228
114	Synthesis of monoclinic structured BiVO_4 spindle microtubes in deep eutectic solvent and their application for dye degradation. <i>Journal of Hazardous Materials</i> , 2010, 181, 1102-1108.	6.5	119
115	New synthetic route of polyoxometalate-based hybrids in choline chloride/urea eutectic media. <i>Inorganica Chimica Acta</i> , 2010, 363, 1556-1560.	1.2	23
116	2-Amino-1-(2-carboxylatoethyl)pyrimidin-1-ium monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o3156-o3157.	0.2	1
117	Pilot trials of immersion silver deposition using a choline chloride based ionic liquid. <i>Circuit World</i> , 2010, 36, 3-9.	0.7	18
118	Resorcinol-Based Deep Eutectic Solvents as Both Carbonaceous Precursors and Templating Agents in the Synthesis of Hierarchical Porous Carbon Monoliths. <i>Chemistry of Materials</i> , 2010, 22, 6146-6152.	3.2	143
119	Solubility of bio-sourced feedstocks in "green" solvents. <i>Green Chemistry</i> , 2010, 12, 1648.	4.6	54
121	Halogenation reactions in biodegradable solvent: Efficient bromination of substituted 1-aminoanthra-9,10-quinone in deep eutectic solvent (choline chloride:urea). <i>Green Chemistry</i> , 2010, 12, 458.	4.6	173

#	ARTICLE	IF	CITATIONS
123	Zinc(II)-boron(III)-imidazolate framework (ZBIF) with unusual pentagonal channels prepared from deep eutectic solvent. Dalton Transactions, 2010, 39, 697-699.	1.6	50
124	Ionothermal Synthesis of Layered Zirconium Phosphates and Their Tribological Properties in Mineral Oil. Inorganic Chemistry, 2010, 49, 8270-8275.	1.9	44
125	Growth of ZnO Nanostructures with Controllable Morphology Using a Facile Green Antisolvent Method. Journal of Physical Chemistry C, 2010, 114, 8867-8872.	1.5	97
126	Phosphonium-Based Ionic Liquids Analogues and Their Physical Properties. Journal of Chemical & Engineering Data, 2010, 55, 4632-4637.	1.0	345
127	Synthesis of an ionic liquid with an iron coordination cation. Dalton Transactions, 2010, 39, 8609.	1.6	52
128	Cellulose. , 2010, , 131-167.		15
129	Application of ionic liquids in hydrometallurgy of nonferrous metals. Transactions of Nonferrous Metals Society of China, 2010, 20, 513-520.	1.7	109
130	Resorcinol-Formaldehyde Polycondensation in Deep Eutectic Solvents for the Preparation of Carbons and Carbon~Carbon Nanotube Composites. Chemistry of Materials, 2010, 22, 2711-2719.	3.2	126
131	One-pot electrodeposition, characterization and photoactivity of stoichiometric copper indium gallium diselenide (CIGS) thin films for solar cells. Physical Chemistry Chemical Physics, 2010, 12, 15282.	1.3	67
132	Confused ionic liquid ions~a~liquification~and dosage strategy for pharmaceutically active salts. Chemical Communications, 2010, 46, 1215.	2.2	116
133	Arylation of Sensitive 1-(Pyrrolidin-1-yl)-diazen-1-ium-diolate in Ionic Liquids. Synthetic Communications, 2010, 40, 1322-1332.	1.1	3
134	Thermotropic Phase Behavior of Choline Soaps. Journal of Physical Chemistry B, 2011, 115, 3838-3847.	1.2	28
135	Ionic liquids form ideal solutions. Chemical Communications, 2011, 47, 11876.	2.2	52
136	Low Toxic Ionic Liquids, Liquid Catanionics, and Ionic Liquid Microemulsions. Journal of Dispersion Science and Technology, 2011, 32, 1694-1699.	1.3	20
137	Environmentally benign and energy efficient methodology for condensation: an interesting facet to the classical Perkin reaction. Green Chemistry, 2011, 13, 2130.	4.6	129
138	Glycerol eutectics as sustainable solvent systems. Green Chemistry, 2011, 13, 82-90.	4.6	666
139	Ionometallurgy: designer redox properties for metal processing. Chemical Communications, 2011, 47, 10031.	2.2	138
140	Processing of metals and metal oxides using ionic liquids. Green Chemistry, 2011, 13, 471.	4.6	309

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141	Deep eutectic solvents as both precursors and structure directing agents in the synthesis of nitrogen doped hierarchical carbons highly suitable for CO ₂ capture. <i>Energy and Environmental Science</i> , 2011, 4, 3535.	15.6	176
142	Electrospun nanosized cellulose fibers using ionic liquids at room temperature. <i>Green Chemistry</i> , 2011, 13, 3173.	4.6	124
143	Gold Nanowire Networks: Synthesis, Characterization, and Catalytic Activity. <i>Langmuir</i> , 2011, 27, 3906-3913.	1.6	135
144	Liquid forms of pharmaceutical co-crystals: exploring the boundaries of salt formation. <i>Chemical Communications</i> , 2011, 47, 2267-2269.	2.2	120
145	Molecular motion and ion diffusion in choline chloride based deep eutectic solvents studied by ¹ H pulsed field gradient NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 21383.	1.3	397
146	Double layer effects on metal nucleation in deep eutectic solvents. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 10224.	1.3	134
147	Glycerol and derived solvents: new sustainable reaction media for organic synthesis. <i>Chemical Communications</i> , 2011, 47, 6208.	2.2	227
148	New eutectic ionic liquids for lipase activation and enzymatic preparation of biodiesel. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1908.	1.5	231
149	Studies Regarding the Nickel Electrodeposition from Choline Chloride Based Ionic Liquids. , 2011, , .		3
150	Complexation Reaction Using Ammonium Based Chloride Compounds for Preparation of Eutectic Mixtures. <i>International Journal of Chemistry</i> , 2011, 3, .	0.3	4
151	Preparation of CuGaSe ₂ absorber layers for thin film solar cells by annealing of efficiently electrodeposited Cu ²⁺ Ga precursor layers from ionic liquids. <i>Thin Solid Films</i> , 2011, 519, 7254-7258.	0.8	15
152	Protease activation in glycerol-based deep eutectic solvents. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 72, 163-167.	1.8	181
153	Ionic liquid analogous formed from magnesium chloride hexahydrate and its physico-chemical properties. <i>Journal of Molecular Liquids</i> , 2011, 163, 77-82.	2.3	41
154	Synthesis of acetyl imidazolium-based electrolytes and application for dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2011, 57, 285-289.	2.6	7
155	Synthesis of nickel phosphide nano-particles in a eutectic mixture for hydrotreating reactions. <i>Journal of Materials Chemistry</i> , 2011, 21, 8137.	6.7	70
156	Controlled electrodeposition of Cu ²⁺ Ga from a deep eutectic solvent for low cost fabrication of CuGaSe ₂ thin film solar cells. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 4292.	1.3	90
157	Selective N-Alkylation of Aromatic Primary Amines Catalyzed by Bio-catalyst or Deep Eutectic Solvent. <i>Catalysis Letters</i> , 2011, 141, 178-182.	1.4	157
158	Electrodeposition of Co, Sm and SmCo from a Deep Eutectic Solvent. <i>Journal of Electroanalytical Chemistry</i> , 2011, 658, 18-24.	1.9	154

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159	Selective extraction of toxic heavy metal oxyanions and cations by a novel silica gel phase functionalized by vitamin B4. <i>Chemical Engineering Journal</i> , 2011, 172, 177-183.	6.6	26
160	Deep Eutectic Solvent-Assisted Synthesis of Hierarchical Carbon Electrodes Exhibiting Capacitance Retention at High Current Densities. <i>Chemistry - A European Journal</i> , 2011, 17, 10533-10537.	1.7	86
161	The kinetics of the Cu ²⁺ /Cu ⁺ redox couple in deep eutectic solvents. <i>Electrochimica Acta</i> , 2011, 56, 4942-4948.	2.6	104
162	Structure and ion transport behavior analysis of ionic liquid analogues based on magnesium chloride. <i>Journal of Molecular Liquids</i> , 2011, 158, 124-130.	2.3	14
163	Tailoring nickel coatings via electrodeposition from a eutectic-based ionic liquid doped with nicotinic acid. <i>Applied Surface Science</i> , 2011, 257, 9094-9102.	3.1	82
164	Prediction of deep eutectic solvents densities at different temperatures. <i>Thermochimica Acta</i> , 2011, 515, 67-72.	1.2	200
165	Frontal polymerizations carried out in deep-eutectic mixtures providing both the monomers and the polymerization medium. <i>Chemical Communications</i> , 2011, 47, 5328.	2.2	127
166	Use of Urea-Choline Chloride Eutectic Solvent for Back End of Line Cleaning Applications. <i>Electrochemical and Solid-State Letters</i> , 2011, 14, H358.	2.2	19
171	Deep-eutectic solvents playing multiple roles in the synthesis of polymers and related materials. <i>Chemical Society Reviews</i> , 2012, 41, 4996.	18.7	608
172	Novel choline-chloride-based deep-eutectic-solvents with renewable hydrogen bond donors: levulinic acid and sugar-based polyols. <i>RSC Advances</i> , 2012, 2, 421-425.	1.7	348
173	Electrochemically Shape-Controlled Synthesis in Deep Eutectic Solvents—A New Route to Prepare Pt Nanocrystals Enclosed by High-Index Facets with High Catalytic Activity. <i>Journal of Physical Chemistry C</i> , 2012, 116, 2040-2044.	1.5	119
174	Electrosynthesis of Polyaniline from Choline-Based Deep Eutectic Solvents: Morphology, Stability and Electrochromism. <i>Journal of the Electrochemical Society</i> , 2012, 159, G97-G105.	1.3	45
175	Specific Conductivities and Viscosities of 0.1LiNO ₃ + 0.9[CH ₃ CONH ₂ + (1 - x)CO(NH ₂) ₂] as Functions of Mole Fraction, x, and Temperature. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 3467-3472.	1.0	4
176	Enzymatic synthesis of sugar fatty acid esters in ionic liquids. <i>Catalysis Science and Technology</i> , 2012, 2, 1767.	2.1	77
177	Densities of a deep eutectic solvent based on choline chloride and glycerol and its aqueous mixtures at elevated pressures. <i>Fluid Phase Equilibria</i> , 2012, 335, 32-38.	1.4	113
178	Densities and refractive indices of the deep eutectic solvents (choline chloride + ethylene glycol or Tj ETQq1 1 0.784314 rgBT /Overl... Taiwan Institute of Chemical Engineers, 2012, 43, 551-557.	2.7	238
179	Highly efficient deep eutectic solvent catalyzed ring opening of epoxides. <i>Catalysis Science and Technology</i> , 2012, 2, 2445.	2.1	78
180	Electrochemical deposition and pseudocapacitive behavior in urea-based quasi-ionic liquid electrolytes studied with X-ray absorption spectra. <i>RSC Advances</i> , 2012, 2, 9383.	1.7	7

#	ARTICLE	IF	CITATIONS
181	A highly efficient synthesis of dithiocarbamates in green reaction media. <i>RSC Advances</i> , 2012, 2, 7413.	1.7	73
182	Investigations on a series of novel ionic liquids containing the [closo-B ₁₂ Cl ₁₂] ²⁻ dianion. <i>RSC Advances</i> , 2012, 2, 9830.	1.7	21
183	Phase Behavior of Elastin-Like Synthetic Recombinamers in Deep Eutectic Solvents. <i>Biomacromolecules</i> , 2012, 13, 2029-2036.	2.6	30
184	Deep eutectic solvents and glycerol: a simple, environmentally benign and efficient catalyst/reaction media for synthesis of <i>N</i> -aryl phthalimide derivatives. <i>Green Chemistry Letters and Reviews</i> , 2012, 5, 487-533.	2.1	64
185	Deep eutectic assisted synthesis of carbon adsorbents highly suitable for low-pressure separation of CO ₂ /CH ₄ gas mixtures. <i>Energy and Environmental Science</i> , 2012, 5, 8699.	15.6	71
186	Electrodeposited CoPt films from a deep eutectic solvent. <i>Surface and Coatings Technology</i> , 2012, 206, 4439-4448.	2.2	40
187	Novel Brønsted acidic deep eutectic solvent as reaction media for esterification of carboxylic acid with alcohols. <i>Tetrahedron Letters</i> , 2012, 53, 5151-5155.	0.7	99
188	Deep eutectic solvents: syntheses, properties and applications. <i>Chemical Society Reviews</i> , 2012, 41, 7108.	18.7	3,591
189	Low melting mixtures in organic synthesis – an alternative to ionic liquids?. <i>Green Chemistry</i> , 2012, 14, 2969.	4.6	559
190	Synthesis and characterization of urea-containing imidazolium iodide electrolyte for dye-sensitized solar cells. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 1499-1503.	2.9	5
191	A high nuclear lanthanide-containing polyoxometalate aggregate synthesized in choline chloride/urea eutectic mixture. <i>Inorganic Chemistry Communication</i> , 2012, 23, 14-16.	1.8	14
192	Structure, composition and corrosion resistance studies of Co-Cr alloy electrodeposited from deep eutectic solvent (DES). <i>Journal of Alloys and Compounds</i> , 2012, 522, 162-166.	2.8	57
193	Bio-compatible eutectic mixture for multi-component synthesis: A valuable acidic catalyst for synthesis of novel 2,3-dihydroquinazolin-4(1H)-one derivatives. <i>Catalysis Communications</i> , 2012, 27, 179-183.	1.6	75
194	Panorama of sustainable solvents using the COSMO-RS approach. <i>Green Chemistry</i> , 2012, 14, 1132.	4.6	126
195	Synthesis of Pyrimidopyrimidinediones in a Deep Eutectic Reaction Mixture. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2368-2372.	2.1	30
196	Deep Eutectic Solvent-based Ionic Liquid Electrolytes for Electrical Double-layer Capacitors. <i>Journal of the Chinese Chemical Society</i> , 2012, 59, 1280-1287.	0.8	40
197	New natural and renewable low transition temperature mixtures (LTTMs): screening as solvents for lignocellulosic biomass processing. <i>Green Chemistry</i> , 2012, 14, 2153.	4.6	615
198	Practical separation of alcohol-ester mixtures using Deep-Eutectic-Solvents. <i>Tetrahedron Letters</i> , 2012, 53, 6968-6971.	0.7	71

#	ARTICLE	IF	CITATIONS
199	Synthesis of novel lidocaine-releasing poly(diol-co-citrate) elastomers by using deep eutectic solvents. <i>Chemical Communications</i> , 2012, 48, 579-581.	2.2	98
200	Salt modified starch: sustainable, recyclable plastics. <i>Green Chemistry</i> , 2012, 14, 1302.	4.6	63
201	Efficient separation of phenols from oils via forming deep eutectic solvents. <i>Green Chemistry</i> , 2012, 14, 2398.	4.6	168
202	Application of Ionic Liquids in Extraction and Separation of Metals. , 2012, , 119-153.		5
203	CO2 Capture with PEG. <i>Springer Briefs in Molecular Science</i> , 2012, , 41-53.	0.1	2
204	Speciation of Copper(II) Complexes in an Ionic Liquid Based on Choline Chloride and in Choline Chloride/Water Mixtures. <i>Inorganic Chemistry</i> , 2012, 51, 4972-4981.	1.9	111
205	1H-1,2,4-Triazole as solvent for imidazolium methanesulfonate. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 11441.	1.3	24
206	Electrodeposition of zinc coatings from the solutions of zinc oxide in imidazolium chloride/urea mixtures. <i>Science China Chemistry</i> , 2012, 55, 1587-1597.	4.2	40
207	Reengineering CelA2 cellulase for hydrolysis in aqueous solutions of deep eutectic solvents and concentrated seawater. <i>Green Chemistry</i> , 2012, 14, 2719.	4.6	120
208	Facile synthesis of ZIF-8 nanocrystals in eutectic mixture. <i>CrystEngComm</i> , 2012, 14, 8365.	1.3	25
209	Natural deep eutectic salt promoted regioselective reduction of epoxides and carbonyl compounds. <i>RSC Advances</i> , 2012, 2, 2289.	1.7	84
210	Human Telomere Sequence DNA in Water-Free and High-Viscosity Solvents: G-Quadruplex Folding Governed by Kramers Rate Theory. <i>Journal of the American Chemical Society</i> , 2012, 134, 15324-15330.	6.6	79
211	Eutectic Salt Catalyzed Environmentally Benign and Highly Efficient Biginelli Reaction. <i>Scientific World Journal</i> , The, 2012, 2012, 1-6.	0.8	20
212	Diffusivity, Density and Viscosity of Aqueous Solutions of Choline Chloride/Ethylene Glycol and Choline Chloride/Malonic Acid. <i>Journal of Chemical Engineering of Japan</i> , 2012, 45, 939-947.	0.3	21
213	Ether- and alcohol-functionalized task-specific ionic liquids: attractive properties and applications. <i>Chemical Society Reviews</i> , 2012, 41, 4030.	18.7	512
214	Functional Carbon Materials From Ionic Liquid Precursors. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 1132-1145.	1.1	99
215	Unknown Aspects of Self-Assembly of PbS Microscale Superstructures. <i>ACS Nano</i> , 2012, 6, 3800-3812.	7.3	92
216	Density, Thermal Expansion and Viscosity of Cholinium-Derived Ionic Liquids. <i>ChemPhysChem</i> , 2012, 13, 1902-1909.	1.0	83

#	ARTICLE	IF	CITATIONS
217	Studies on the plasticization efficiency of deep eutectic solvent in suppressing the crystallinity of corn starch based polymer electrolytes. <i>Carbohydrate Polymers</i> , 2012, 87, 701-706.	5.1	65
218	Choline chloride based eutectic solvents: Magical catalytic system for carbon-carbon bond formation in the rapid synthesis of β -hydroxy functionalized derivatives. <i>Catalysis Communications</i> , 2012, 24, 70-74.	1.6	101
219	Choline based ionic liquids: Interfacial properties of RTILs with strong hydrogen bonding. <i>Fluid Phase Equilibria</i> , 2012, 322-323, 142-147.	1.4	29
220	Investigation on the behavior of choline-derived cationic surfactant in aqueous solution in the absence and presence of PdCl ₂ . <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 399, 100-107.	2.3	3
221	On the electrodeposition of nickel-zinc alloys from a eutectic-based ionic liquid. <i>Electrochimica Acta</i> , 2012, 63, 131-138.	2.6	102
222	Structure and electrochemical behavior of ionic liquid analogue based on choline chloride and urea. <i>Electrochimica Acta</i> , 2012, 65, 30-36.	2.6	194
223	Simultaneous characterisation of electrode kinetics and electrolyte properties in ionic liquids using a rotating disc electrode. <i>Electrochimica Acta</i> , 2012, 69, 139-145.	2.6	11
224	Electrochemically shape-controlled synthesis in deep eutectic solvents of Pt nanoflowers with enhanced activity for ethanol oxidation. <i>Electrochimica Acta</i> , 2012, 76, 468-474.	2.6	102
225	Exerted influence of deep eutectic solvent concentration in the room temperature ionic conductivity and thermal behavior of corn starch based polymer electrolytes. <i>Journal of Molecular Liquids</i> , 2012, 166, 40-43.	2.3	28
226	Structure and physico-chemical properties of three analogous ionic liquids containing magnesium chloride. <i>Journal of Molecular Liquids</i> , 2012, 170, 20-24.	2.3	19
227	Molar heat capacities of choline chloride-based deep eutectic solvents and their binary mixtures with water. <i>Thermochimica Acta</i> , 2012, 530, 52-57.	1.2	129
228	Discussion on the influence of DES content in CA-based polymer electrolytes. <i>Journal of Materials Science</i> , 2012, 47, 1787-1793.	1.7	24
229	Electrodeposition of Fe-Ga thin films from eutectic-based ionic liquid. <i>Electrochimica Acta</i> , 2013, 114, 878-888.	2.6	12
230	Natural eutectic salts catalyzed one-pot synthesis of 5-arylidene-2-imino-4-thiazolidinones. <i>Research on Chemical Intermediates</i> , 2013, 39, 1491-1498.	1.3	20
231	Molar heat capacities and electrical conductivities of two ammonium-based deep eutectic solvents and their aqueous solutions. <i>Thermochimica Acta</i> , 2013, 566, 50-56.	1.2	42
232	Synthesis of reduced graphene oxide by an ionothermal method and electrochemical performance. <i>RSC Advances</i> , 2013, 3, 11807.	1.7	28
233	Deep Eutectic Solvent-Assisted Synthesis of Biodegradable Polyesters with Antibacterial Properties. <i>Langmuir</i> , 2013, 29, 9525-9534.	1.6	74
234	Synthesis and Characterization of CuCl Nanoparticles in Deep Eutectic Solvents. <i>Particulate Science and Technology</i> , 2013, 31, 81-84.	1.1	34

#	ARTICLE	IF	CITATIONS
235	Chemoselective synthesis of xanthenes and tetraketones in a choline chloride-based deep eutectic solvent. <i>Comptes Rendus Chimie</i> , 2013, 16, 997-1001.	0.2	51
236	Preparation and characterization of cotton fabrics with antibacterial properties treated by crosslinkable benzophenone derivative in choline chloride-based deep eutectic solvents. <i>Cellulose</i> , 2013, 20, 2101-2114.	2.4	45
237	Choline Chloride/Urea Ionic Liquid Catalyzed a Convenient One-Pot Synthesis of Indole-3-propanamide Derivatives. <i>Synthetic Communications</i> , 2013, 43, 3153-3162.	1.1	10
238	Molecular Dynamic Simulations and Vibrational Analysis of an Ionic Liquid Analogue. <i>Journal of Physical Chemistry B</i> , 2013, 117, 10250-10260.	1.2	196
239	Deep Eutectic-Assisted Synthesis of Bimodal Porous Carbon Monoliths with High Electrical Conductivities. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 316-320.	1.2	19
240	Recent developments in deep eutectic solvents in chemical sciences. <i>Monatshefte für Chemie</i> , 2013, 144, 1427-1454.	0.9	392
241	Lanthanides and Actinides in Ionic Liquids. , 2013, , 641-673.		15
242	Solubility of Sodium Salts in Ammonium-Based Deep Eutectic Solvents. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 2154-2162.	1.0	42
243	Biocompatible choline based ionic salts: Solubility in short-chain alcohols. <i>Journal of Chemical Thermodynamics</i> , 2013, 67, 99-105.	1.0	24
244	Synthesis of auronones under neutral conditions using a deep eutectic solvent. <i>Tetrahedron</i> , 2013, 69, 9200-9204.	1.0	56
245	Densities, refractive indices, and viscosities of N,N-diethylethanol ammonium chloride-glycerol or ethylene glycol deep eutectic solvents and their aqueous solutions. <i>Journal of Chemical Thermodynamics</i> , 2013, 65, 65-72.	1.0	112
246	Synthesis of spherical Fe ₃ O ₄ magnetic nanoparticles by co-precipitation in choline chloride/urea deep eutectic solvent. <i>Materials Letters</i> , 2013, 112, 177-179.	1.3	84
247	Extraction of saponins from sisal (<i>Agave sisalana</i>) and juçara (<i>Ziziphus joazeiro</i>) with cholinium-based ionic liquids and deep eutectic solvents. <i>European Food Research and Technology</i> , 2013, 237, 965-975.	1.6	46
248	Efficient SO ₂ absorption by renewable choline chloride-glycerol deep eutectic solvents. <i>Green Chemistry</i> , 2013, 15, 2261.	4.6	215
249	First stages of silver electrodeposition in a deep eutectic solvent. Comparative behavior in aqueous medium. <i>Electrochimica Acta</i> , 2013, 112, 149-158.	2.6	51
250	Ionometallurgy: Processing of Metals using Ionic Liquids. <i>RSC Green Chemistry</i> , 2013, , 59-79.	0.0	4
251	Ionic Liquids and Deep Eutectic Solvents in Natural Products Research: Mixtures of Solids as Extraction Solvents. <i>Journal of Natural Products</i> , 2013, 76, 2162-2173.	1.5	377
252	Carbon dioxide solubility in a deep eutectic solvent based on choline chloride and urea at T=303.15-343.15K and moderate pressures. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2013, 44, 879-885.	2.7	138

#	ARTICLE	IF	CITATIONS
253	Characterization of conducting cellulose acetate based polymer electrolytes doped with "green" ionic mixture. Carbohydrate Polymers, 2013, 91, 14-21.	5.1	78
255	Effect of additive and current mode on surface morphology of palladium films from a non-aqueous deep eutectic solution (DES). Journal of Applied Electrochemistry, 2013, 43, 1207-1216.	1.5	25
256	A sustainable approach to the Ugi reaction in deep eutectic solvent. Comptes Rendus Chimie, 2013, 16, 1098-1102.	0.2	31
257	Unravelling the structure and function of human hair. Green Chemistry, 2013, 15, 1268.	4.6	22
258	Ionothermal synthesis of two oxalate-bridged lanthanide(III) chains with slow magnetization relaxation by using a deep eutectic solvent. Dalton Transactions, 2013, 42, 12853.	1.6	23
259	Nucleation of copper on mild steel in copper chloride (CuCl ₂ ·2H ₂ O) "1-ethyl-3-methylimidazolium chloride [EMIM]Cl" ethylene glycol (EG) ionic liquid. New Journal of Chemistry, 2013, 37, 2564.	1.4	11
260	Characterization of amide-thiocyanates eutectic ionic liquids and their application in SO ₂ absorption. RSC Advances, 2013, 3, 2470.	1.7	78
261	A versatile protocol for the ionothermal synthesis of nanostructured nickel compounds as energy storage materials from a choline chloride-based ionic liquid. Journal of Materials Chemistry A, 2013, 1, 13454.	5.2	70
262	Deep eutectic solvents based on N-methylacetamide and a lithium salt as suitable electrolytes for lithium-ion batteries. Physical Chemistry Chemical Physics, 2013, 15, 20054.	1.3	141
263	Electrochemically shape-controlled synthesis in deep eutectic solvents: triambic icosahedral platinum nanocrystals with high-index facets and their enhanced catalytic activity. Chemical Communications, 2013, 49, 11152.	2.2	97
264	Ultrasound and deep eutectic solvent (DES): A novel blend of techniques for rapid and energy efficient synthesis of oxazoles. Ultrasonics Sonochemistry, 2013, 20, 287-293.	3.8	106
265	Aqueous biphasic systems: a benign route using cholinium-based ionic liquids. RSC Advances, 2013, 3, 1835-1843.	1.7	138
266	Comparative material study and synthesis of 4-(4-nitrophenyl)oxazol-2-amine via sonochemical and thermal method. Ultrasonics Sonochemistry, 2013, 20, 633-639.	3.8	38
267	Natural deep eutectic solvents as new potential media for green technology. Analytica Chimica Acta, 2013, 766, 61-68.	2.6	1,748
268	Selenium electrochemistry in choline chloride-urea deep eutectic electrolyte. Journal of Solid State Electrochemistry, 2013, 17, 527-536.	1.2	34
269	Friction and Wear Behavior of CF/PTFE Composites Lubricated by Choline Chloride Ionic Liquids. Tribology Letters, 2013, 49, 413-420.	1.2	25
270	Understanding the Effects of Ionicity in Salts, Solvates, Co-Crystals, Ionic Co-Crystals, and Ionic Liquids, Rather than Nomenclature, Is Critical to Understanding Their Behavior. Crystal Growth and Design, 2013, 13, 965-975.	1.4	115
271	Ionic liquids and deep eutectic solvents for biodiesel synthesis: a review. Journal of Chemical Technology and Biotechnology, 2013, 88, 3-12.	1.6	242

#	ARTICLE	IF	CITATIONS
272	Physicochemical properties of ammonium-based deep eutectic solvents and their electrochemical evaluation using organometallic reference redox systems. <i>Electrochimica Acta</i> , 2013, 113, 205-211.	2.6	90
273	Deep eutectic solvents (DESs) and the metal finishing industry: where are they now?. <i>Transactions of the Institute of Metal Finishing</i> , 2013, 91, 241-248.	0.6	55
274	Sustained Deposition of Silver on Copper Surface from Choline Chloride Aqueous Solution. <i>Journal of the Electrochemical Society</i> , 2013, 160, D119-D123.	1.3	12
275	Formulation and utilization of choline based samples for dissolution dynamic nuclear polarization. <i>Journal of Magnetic Resonance</i> , 2013, 236, 26-30.	1.2	15
276	Characterization of caprolactam based eutectic ionic liquids and their application in SO ₂ absorption. <i>Journal of Molecular Liquids</i> , 2013, 180, 19-25.	2.3	56
277	Electrochemical deposition of magnesium from analogous ionic liquid based on dimethylformamide. <i>Electrochimica Acta</i> , 2013, 108, 384-389.	2.6	8
278	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
279	Evaluation of alcohol-based deep eutectic solvent in extraction and determination of flavonoids with response surface methodology optimization. <i>Journal of Chromatography A</i> , 2013, 1285, 22-30.	1.8	361
280	Deep eutectic solvents as both active fillers and monomers for frontal polymerization. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1767-1773.	2.5	92
281	Electroplating Using Ionic Liquids. <i>Annual Review of Materials Research</i> , 2013, 43, 335-358.	4.3	228
282	Production of nanocrystalline cellulose from lignocellulosic biomass: Technology and applications. <i>Carbohydrate Polymers</i> , 2013, 94, 154-169.	5.1	918
283	Theoretical study on the structures and properties of mixtures of urea and choline chloride. <i>Journal of Molecular Modeling</i> , 2013, 19, 2433-2441.	0.8	172
284	Synthesis of macroporous poly(acrylic acid)-carbon nanotube composites by frontal polymerization in deep-eutectic solvents. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3970.	5.2	97
285	Low-Transition-Temperature Mixtures (LTTMs): A New Generation of Designer Solvents. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3074-3085.	7.2	1,056
286	Formation of Deep Eutectic Solvents by Phenols and Choline Chloride and Their Physical Properties. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 866-872.	1.0	185
287	Deep eutectic solvents: Synthesis, application, and focus on lipase-catalyzed reactions. <i>European Journal of Lipid Science and Technology</i> , 2013, 115, 379-385.	1.0	227
288	Deep eutectic solvents as extraction media for azeotropic mixtures. <i>Green Chemistry</i> , 2013, 15, 1326.	4.6	141
289	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

#	ARTICLE	IF	CITATIONS
290	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
291	Efficient deep eutectic solvents catalyzed synthesis of pyran and benzopyran derivatives. <i>Journal of Molecular Liquids</i> , 2013, 186, 76-80.	2.3	94
292	Ionic Liquids with Solvatochromatic and Charge-Transfer Functionalities Incorporating the Viologen Moiety. <i>Australian Journal of Chemistry</i> , 2013, 66, 607.	0.5	8
293	A new low transition temperature mixture (LTTM) formed by choline chloride+lactic acid: Characterization as solvent for CO ₂ capture. <i>Fluid Phase Equilibria</i> , 2013, 340, 77-84.	1.4	189
294	Natural Deep Eutectic Solvents as a New Extraction Media for Phenolic Metabolites in <i>Carthamus tinctorius</i> L.. <i>Analytical Chemistry</i> , 2013, 85, 6272-6278.	3.2	513
295	Thermal unfolding and refolding of lysozyme in deep eutectic solvents and their aqueous dilutions. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 11248.	1.3	108
296	Separation of phenol from model oils with quaternary ammonium salts via forming deep eutectic solvents. <i>Green Chemistry</i> , 2013, 15, 226-229.	4.6	218
297	A Green Method for Preparing CuCl Nanocrystal in Deep Eutectic Solvent. <i>Australian Journal of Chemistry</i> , 2013, 66, 237.	0.5	18
298	In Situ Electrochemical Digital Holographic Microscopy; a Study of Metal Electrodeposition in Deep Eutectic Solvents. <i>Analytical Chemistry</i> , 2013, 85, 6653-6660.	3.2	37
299	Fast 62%–92% yield preparation of amino acid dithiocarbamates in green solvent at room temperature. <i>Environmental Chemistry Letters</i> , 2013, 11, 371-376.	8.3	11
300	Stability, Assembly, and Particle/Solvent Interactions of Pd Nanoparticles Electrodeposited from a Deep Eutectic Solvent. <i>Journal of Physical Chemistry C</i> , 2013, 117, 14381-14389.	1.5	68
301	Chymotrypsin-Catalyzed Peptide Synthesis in Deep Eutectic Solvents. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 4223-4228.	1.2	64
302	Organic synthesis in deep eutectic solvents: Paal-Knorr reactions. <i>Tetrahedron Letters</i> , 2013, 54, 4377-4379.	0.7	121
303	Physicochemical properties of 1-alkyl-3-methylimidazolium chloride-urea melts. <i>Electrochimica Acta</i> , 2013, 100, 285-292.	2.6	14
304	Solubility of carbon dioxide in a eutectic mixture of choline chloride and glycerol at moderate pressures. <i>Journal of Chemical Thermodynamics</i> , 2013, 57, 131-136.	1.0	172
305	Post-etch residue removal using choline chloride-malonic acid deep eutectic solvent (DES). <i>Microelectronic Engineering</i> , 2013, 102, 81-86.	1.1	18
306	Synthesis of aluminophosphate by the ionothermal method using factorial design. <i>Microporous and Mesoporous Materials</i> , 2013, 165, 163-167.	2.2	9
307	Choline-based deep eutectic solvents for enzymatic preparation of biodiesel from soybean oil. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 85-86, 243-247.	1.8	172

#	ARTICLE	IF	CITATIONS
308	Electrodeposition of palladium films from ionic liquid (IL) and deep eutectic solutions (DES): physical and chemical characterisation of non-aqueous electrolytes and surface morphology of palladium deposits. Transactions of the Institute of Metal Finishing, 2013, 91, 133-140.	0.6	24
309	Characterisation and application of the Fe(II)/Fe(III) redox reaction in an ionic liquid analogue. Electrochimica Acta, 2013, 109, 843-851.	2.6	71
310	Removal of Surface Contaminants Using Ionic Liquids. , 2013, , 1-63.		3
311	Sustained Immersion Tin Deposition on Copper from Choline Chloride Based Aqueous Solution without Reducing Agent. Journal of the Electrochemical Society, 2013, 160, D295-D299.	1.3	10
312	Ligand exchange in ionic systems and its effect on silver nucleation and growth. Physical Chemistry Chemical Physics, 2013, 15, 17314.	1.3	29
313	Electrodeposition of Antimony, Tellurium and Their Alloys from Molten Acetamide Mixtures. Journal of the Electrochemical Society, 2013, 160, D75-D79.	1.3	15
314	Solvothermal Synthesis of Metal Oxides. , 2013, , 927-948.		5
315	Elimination of All Free Glycerol and Reduction of Total Glycerol from Palm Oil-Based Biodiesel Using Non-Glycerol Based Deep Eutectic Solvents. Separation Science and Technology, 2013, 48, 1184-1193.	1.3	18
316	Green Carbon Nanomaterials. , 2013, , 7-58.		0
318	Tetrabutylammonium Bromide (TBABr)-Based Deep Eutectic Solvents (DESs) and Their Physical Properties. Molecules, 2014, 19, 8011-8026.	1.7	129
319	Epoxy resin/phosphonium ionic liquid/carbon nanofiller systems: Chemorheology and properties. EXPRESS Polymer Letters, 2014, 8, 723-732.	1.1	46
320	Solvatochromic Probe Behavior within Choline Chloride-Based Deep Eutectic Solvents: Effect of Temperature and Water. Journal of Physical Chemistry B, 2014, 118, 14652-14661.	1.2	184
321	Interaction and dynamics of (alkylamide + electrolyte) deep eutectics: Dependence on alkyl chain-length, temperature, and anion identity. Journal of Chemical Physics, 2014, 140, 104514.	1.2	91
322	Low-frequency collective dynamics in deep eutectic solvents of acetamide and electrolytes: A femtosecond Raman-induced Kerr effect spectroscopic study. Journal of Chemical Physics, 2014, 141, 134506.	1.2	42
323	Deep Eutectic Ionic Liquids as Epoxy Resin Curing Agents. International Journal of Polymer Analysis and Characterization, 2014, 19, 682-692.	0.9	20
324	Electrodeposition of Cu-Ga Precursor Layer from Deep Eutectic Solvent for CuGaS ₂ Solar Energy Thin Film. Journal of the Electrochemical Society, 2014, 161, D333-D338.	1.3	16
325	Sulfur-Doped Carbons Prepared from Eutectic Mixtures Containing Hydroxymethylthiophene as Metal-Free Oxygen Reduction Catalysts. ChemSusChem, 2014, 7, 3347-3355.	3.6	17
326	Deep Eutectic Solvents: Environmentally Friendly Media for Metal-Catalyzed Organic Reactions. ACS Symposium Series, 2014, , 37-52.	0.5	11

#	ARTICLE	IF	CITATIONS
327	Deep eutectic solvents can be viable enzyme activators and stabilizers. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1975-1981.	1.6	160
328	Structures and Thermodynamic Properties of Ionic Liquids. <i>Structure and Bonding</i> , 2014, , 107-139.	1.0	17
329	Electrochemical and transport properties of ethaline containing copper and tin chloride. <i>Transactions of the Institute of Metal Finishing</i> , 2014, 92, 41-46.	0.6	23
330	Electroplated Fe-Ni Films Prepared From Deep Eutectic Solvents. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	1.2	10
331	Self-assembly of gold nanoparticles on deep eutectic solvent (DES) surfaces. <i>Chemical Communications</i> , 2014, 50, 8693-8696.	2.2	38
332	Greener construction of 4H-chromenes based dyes in deep eutectic solvent. <i>Dyes and Pigments</i> , 2014, 100, 215-221.	2.0	55
333	Towards a better understanding of how to improve lipase-catalyzed reactions using deep eutectic solvents based on choline chloride. <i>European Journal of Lipid Science and Technology</i> , 2014, 116, 16-23.	1.0	41
334	Preparation of eutectic substrate mixtures for enzymatic conversion of ATC to L-cysteine at high concentration levels. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 1193-1200.	1.7	3
335	Highly sensitive poly(3,4-ethylenedioxythiophene) modified electrodes by electropolymerisation in deep eutectic solvents. <i>Electrochemistry Communications</i> , 2014, 44, 8-11.	2.3	45
336	Heterogeneous catalyst preparation in ionic liquids: Titania supported gold nanoparticles. <i>Catalysis Today</i> , 2014, 235, 58-71.	2.2	16
337	Eco-friendly and recyclable media for rapid synthesis of tricyanovinylated aromatics using biocatalyst and deep eutectic solvent. <i>Catalysis Communications</i> , 2014, 49, 58-62.	1.6	39
338	Imidazolium and deep eutectic ionic liquids as epoxy resin crosslinkers and graphite nanoplatelets dispersants. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	38
339	Mechanistic Studies of Zinc Electrodeposition from Deep Eutectic Electrolytes. <i>Journal of the Electrochemical Society</i> , 2014, 161, D7-D13.	1.3	45
340	Room temperature ionic liquid choline chloride-oxalic acid: A versatile catalyst for acid-catalyzed transformation in organic reactions. <i>Journal of Molecular Liquids</i> , 2014, 191, 137-141.	2.3	43
341	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
342	Fast synthesis and optical property of SnO nanoparticles from choline chloride-based ionic liquid. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	17
343	Prebiotic Phosphate Ester Syntheses in a Deep Eutectic Solvent. <i>Journal of Molecular Evolution</i> , 2014, 78, 109-117.	0.8	61
344	Synergistic effect of ultrasound and deep eutectic solvent choline chloride-urea as versatile catalyst for rapid synthesis of β^2 -functionalized ketonic derivatives. <i>Journal of Molecular Liquids</i> , 2014, 195, 188-193.	2.3	27

#	ARTICLE	IF	CITATIONS
345	Dissolution of metal oxides in an acid-saturated ionic liquid solution and investigation of the back-extraction behaviour to the aqueous phase. <i>Hydrometallurgy</i> , 2014, 144-145, 27-33.	1.8	86
346	Synthesis of hydrogels by polymerization of itaconic acid in choline chloride deep eutectic solvent. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	42
347	Synthesis of ZIF-8 in a deep eutectic solvent using cooling-induced crystallisation. <i>Microporous and Mesoporous Materials</i> , 2014, 195, 50-59.	2.2	36
348	Reductive amination of aldehydes and ketones catalyzed by deep eutectic solvent using sodium borohydride as a reducing agent. <i>Journal of Molecular Liquids</i> , 2014, 196, 208-210.	2.3	24
349	Deep eutectic solvent promoted efficient and environmentally benign four-component domino protocol for synthesis of spirooxindoles. <i>RSC Advances</i> , 2014, 4, 5105.	1.7	48
350	An acid-free Pictet-Spengler reaction using deep eutectic solvents (DES). <i>Tetrahedron Letters</i> , 2014, 55, 3440-3442.	0.7	36
351	Cobalt electrodeposition using urea and choline chloride. <i>Electrochimica Acta</i> , 2014, 123, 325-331.	2.6	68
352	Deep Eutectic Solvents in Polymerizations: A Greener Alternative to Conventional Syntheses. <i>ChemSusChem</i> , 2014, 7, 999-1009.	3.6	200
353	Whole-Cell Biocatalysis in Deep Eutectic Solvents/Aqueous Mixtures. <i>ChemCatChem</i> , 2014, 6, 1535-1537.	1.8	96
354	A Catalyst-free Green Protocol for the Synthesis of Pyranopyrazoles Using Room Temperature Ionic Liquid Choline Chloride-urea. <i>Journal of Heterocyclic Chemistry</i> , 2014, 51, 1866-1870.	1.4	30
355	Urea and guanidine salts as novel components for deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2014, 197, 23-26.	2.3	54
356	A brief overview of the potential environmental hazards of ionic liquids. <i>Ecotoxicology and Environmental Safety</i> , 2014, 99, 1-12.	2.9	510
357	Glycerol: a biorenewable solvent for base-free Cu(I)-catalyzed 1,3-dipolar cycloaddition of azides with terminal and 1-iodoalkynes. Highly efficient transformations and catalyst recycling. <i>Green Chemistry</i> , 2014, 16, 3515.	4.6	76
358	Dissolution and regeneration of wool keratin in ionic liquids. <i>Green Chemistry</i> , 2014, 16, 2857-2864.	4.6	156
359	Ionic Liquids and Deep Eutectic Mixtures: Sustainable Solvents for Extraction Processes. <i>ChemSusChem</i> , 2014, 7, 1784-1800.	3.6	349
360	Non-natural G-quadruplex in a non-natural environment. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 157-161.	1.6	6
361	How polar are choline chloride-based deep eutectic solvents?. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 1559-1568.	1.3	238
362	Physical-chemical properties of nickel analogs ionic liquid based on choline chloride. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 1779-1785.	2.0	25

#	ARTICLE	IF	CITATIONS
363	Henry's constant of carbon dioxide-aqueous deep eutectic solvent (choline chloride/ethylene glycol). <i>Journal of Chemical Thermodynamics</i> , 2014, 68, 216-220.	1.0	92
364	Recent trends in (ligno)cellulose dissolution using neoteric solvents: switchable, distillable and bio-based ionic liquids. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 11-18.	1.6	118
365	Self-Aggregation of Sodium Dodecyl Sulfate within (Choline Chloride + Urea) Deep Eutectic Solvent. <i>Langmuir</i> , 2014, 30, 13191-13198.	1.6	88
366	Effect of Water on the Density, Viscosity, and CO ₂ Solubility in Choline Chloride/Urea. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 3344-3352.	1.0	170
367	Electrochemical synthesis of copper nanoparticles using cuprous oxide as a precursor in choline chloride-urea deep eutectic solvent: nucleation and growth mechanism. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 27088-27095.	1.3	55
368	Novel zwitterionic deep eutectic solvents from trimethylglycine and carboxylic acids: characterization of their properties and their toxicity. <i>RSC Advances</i> , 2014, 4, 55990-56002.	1.7	109
369	Low melting mixtures based on β -cyclodextrin derivatives and N,N'-dimethylurea as solvents for sustainable catalytic processes. <i>Green Chemistry</i> , 2014, 16, 3876-3880.	4.6	50
370	Low-melting mixtures based on choline ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 22815-22822.	1.3	80
371	Properties of sugar-based low-melting mixtures. <i>Molecular Physics</i> , 2014, 112, 1241-1245.	0.8	28
372	Deep-eutectic solvents as a support in the nonaqueous synthesis of macroporous poly(HIPe)s. <i>RSC Advances</i> , 2014, 4, 41584-41587.	1.7	36
373	Rapid and Selective Oxidation of Alcohols in Deep Eutectic Solvent. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 15561-15565.	1.8	48
374	Low Transition Temperature Mixtures as Innovative and Sustainable CO ₂ Capture Solvents. <i>Journal of Physical Chemistry B</i> , 2014, 118, 14429-14441.	1.2	100
375	Speciation, physical and electrolytic properties of eutectic mixtures based on CrCl ₃ ·6H ₂ O and urea. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9047.	1.3	123
376	Comparison of catalysis by haloalkane dehalogenases in aqueous solutions of deep eutectic and organic solvents. <i>Green Chemistry</i> , 2014, 16, 2754-2761.	4.6	28
377	New tetrapropylammonium bromide-based deep eutectic solvents: Synthesis and characterizations. <i>Journal of Molecular Liquids</i> , 2014, 199, 462-469.	2.3	91
378	Highly enantioselective tandem enzyme-organocatalyst crossed aldol reactions with acetaldehyde in deep-eutectic-solvents. <i>RSC Advances</i> , 2014, 4, 46097-46101.	1.7	69
379	Deep Eutectic Solvents (DESs) and Their Applications. <i>Chemical Reviews</i> , 2014, 114, 11060-11082.	23.0	4,488
380	Controlled release of lidocaine hydrochloride from polymerized drug-based deep-eutectic solvents. <i>Journal of Materials Chemistry B</i> , 2014, 2, 7495-7501.	2.9	65

#	ARTICLE	IF	CITATIONS
381	A facile acidic choline chloride-p-TSA DES-catalysed dehydration of fructose to 5-hydroxymethylfurfural. RSC Advances, 2014, 4, 39359-39364.	1.7	58
382	Silylated quaternary ammonium salts as ionic liquids with hydrophobic cations. Journal of Materials Chemistry A, 2014, 2, 15964-15971.	5.2	5
383	Densities and Viscosities of (Choline Chloride + Urea) Deep Eutectic Solvent and Its Aqueous Mixtures in the Temperature Range 293.15 K to 363.15 K. Journal of Chemical & Engineering Data, 2014, 59, 2221-2229.	1.0	368
384	Slow magnetization relaxation in a one-dimensional dysprosium-carboxylate compound based on the linear Dy 4 units synthesized ionothermally from a deep-eutectic solvent. Inorganic Chemistry Communication, 2014, 48, 18-21.	1.8	4
385	Regioselective desymmetrization of diaryltetrahydrofurans via directed ortho-lithiation: an unexpected help from green chemistry. Chemical Communications, 2014, 50, 8655-8658.	2.2	89
386	Insights into the Synthesis and Properties of Deep Eutectic Solvents Based on Cholinium Chloride and Carboxylic Acids. ACS Sustainable Chemistry and Engineering, 2014, 2, 2416-2425.	3.2	599
387	Deep Eutectic Solvents Based on N-Methylacetamide and a Lithium Salt as Electrolytes at Elevated Temperature for Activated Carbon-Based Supercapacitors. Journal of Physical Chemistry C, 2014, 118, 4033-4042.	1.5	83
388	Two lanthanide coordination polymers with helical chain structures synthesized ionothermally from a deep-eutectic solvent: syntheses, structures and luminescence. Inorganic Chemistry Communication, 2014, 46, 282-284.	1.8	9
389	Efficient nitrogen-doping and structural control of hierarchical carbons using unconventional precursors in the form of deep eutectic solvents. Journal of Materials Chemistry A, 2014, 2, 17387-17399.	5.2	37
390	Printed environmentally friendly supercapacitors with ionic liquid electrolytes on paper. Journal of Power Sources, 2014, 271, 298-304.	4.0	42
391	Electrodeposited CZTS solar cells from Reline electrolyte. Green Chemistry, 2014, 16, 3841-3845.	4.6	54
392	Deep eutectic solvents as novel extraction media for phenolic compounds from model oil. Chemical Communications, 2014, 50, 11749-11752.	2.2	121
393	Toxicity of ionic liquids toward microorganisms interesting to the food industry. RSC Advances, 2014, 4, 37157-37163.	1.7	64
394	Correlation between Microstructure and Electrochemical Behavior of the Mesoporous Co ₃ O ₄ Sheet and Its Ionothermal Synthesized Hydrotalcite-like γ -Co(OH) ₂ Precursor. Journal of Physical Chemistry C, 2014, 118, 911-923.	1.5	79
395	Noble-Metal-Free Electrocatalysts with Enhanced ORR Performance by Task-Specific Functionalization of Carbon using Ionic Liquid Precursor Systems. Journal of the American Chemical Society, 2014, 136, 14486-14497.	6.6	219
396	Complexation Phenomena and Dynamics at Work in the Lithiation Reactions of Small Heterocycles: Regio- and Stereoselectivity. European Journal of Organic Chemistry, 2014, 2014, 5397-5417.	1.2	16
397	Deep eutectic solvent supported TEMPO for oxidation of alcohols. RSC Advances, 2014, 4, 40161-40169.	1.7	33
398	How a protein can remain stable in a solvent with high content of urea: insights from molecular dynamics simulation of Candida antarctica lipase B in urea-choline chloride deep eutectic solvent. Physical Chemistry Chemical Physics, 2014, 16, 14882.	1.3	191

#	ARTICLE	IF	CITATIONS
399	Insights into the impact of deep eutectic solvents on horseradish peroxidase: Activity, stability and structure. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 101, 101-107.	1.8	133
400	Greener synthesis of spirooxindole in deep eutectic solvent. <i>Journal of Molecular Liquids</i> , 2014, 194, 62-67.	2.3	92
401	Synthesis and characterization of novel ternary deep eutectic solvents. <i>Chinese Chemical Letters</i> , 2014, 25, 104-106.	4.8	77
402	Benzaldehyde lyase (BAL)-catalyzed enantioselective CC bond formation in deep-eutectic-solventsâ€“buffer mixtures. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 107, 120-123.	1.8	52
403	An atom-economic and odorless thia-Michael addition in a deep eutectic solvent. <i>Tetrahedron Letters</i> , 2014, 55, 1722-1725.	0.7	32
404	Deep eutectic solvents as novel extraction media for protein partitioning. <i>Analyst</i> , The, 2014, 139, 2565.	1.7	200
405	Structure, stability and behaviour of nucleic acids in ionic liquids. <i>Nucleic Acids Research</i> , 2014, 42, 8831-8844.	6.5	104
406	Evaluating water miscible deep eutectic solvents (DESs) and ionic liquids as potential lubricants. <i>Green Chemistry</i> , 2014, 16, 4156-4161.	4.6	138
407	Use of Eutectic Mixtures for Preparation of Monolithic Carbons with CO ₂ -Adsorption and Gas-Separation Capabilities. <i>Langmuir</i> , 2014, 30, 12220-12228.	1.6	21
408	Molecular interactions in aqueous biphasic systems composed of polyethylene glycol and crystalline vs. liquid cholinium-based salts. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 5723.	1.3	90
409	Characterization of tin films synthesized from ethaline deep eutectic solvent. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2014, 190, 104-110.	1.7	21
410	Solubility of Thiophene and Dibenzothiophene in Anhydrous FeCl ₃ - and ZnCl ₂ -Based Deep Eutectic Solvents. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 6815-6823.	1.8	59
411	Preparation of chlorocholine chloride/urea deep eutectic solvent-modified silica and an examination of the ion exchange properties of modified silica as a Lewis adduct. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 4309-4313.	1.9	28
412	Electrolysis of solid copper oxide to copper in Choline chloride-EG eutectic melt. <i>Electrochimica Acta</i> , 2014, 121, 78-82.	2.6	17
413	Effects of ultrasound and temperature on copper electro reduction in Deep Eutectic Solvents (DES). <i>Ultrasonics Sonochemistry</i> , 2014, 21, 2010-2019.	3.8	25
414	Electrochemical copper deposition from an ethaline-CuCl ₂ ·2H ₂ O DES. <i>Surface and Coatings Technology</i> , 2014, 238, 165-173.	2.2	44
415	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
416	Solubility of carbon dioxide in aqueous mixtures of (reline+monoethanolamine) at T=(313.2 to 353.2)K. <i>Journal of Chemical Thermodynamics</i> , 2014, 72, 94-99.	1.0	83

#	ARTICLE	IF	CITATIONS
417	In situ fabrication of electrochemically grown mesoporous metallic thin films by anodic dissolution in deep eutectic solvents. <i>Journal of Colloid and Interface Science</i> , 2014, 426, 270-279.	5.0	33
418	Effect of composition of post etch residues (PER) on their removal in choline chlorideâ€“malonic acid deep eutectic solvent (DES) system. <i>Microelectronic Engineering</i> , 2014, 114, 141-147.	1.1	10
419	Electrodeposition mechanism and characterization of Niâ€“Cu alloy coatings from a eutectic-based ionic liquid. <i>Applied Surface Science</i> , 2014, 288, 530-536.	3.1	86
420	Green Chemical Approach: Low-Melting Mixture as a Green Solvent for Efficient Michael Addition of Homophthalimides with Chalcones. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 10814-10819.	1.8	27
421	Properties of CuSbS ₂ thin films electrodeposited from ionic liquids as p-type absorber for photovoltaic solar cells. <i>Thin Solid Films</i> , 2014, 565, 285-292.	0.8	63
422	EXAFS Study into the Speciation of Metal Salts Dissolved in Ionic Liquids and Deep Eutectic Solvents. <i>Inorganic Chemistry</i> , 2014, 53, 6280-6288.	1.9	170
423	DES assisted synthesis of hierarchical nitrogen-doped carbon molecular sieves for selective CO ₂ versus N ₂ adsorption. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8719-8729.	5.2	66
424	Solubilities of Carbon Dioxide in Eutectic Mixtures of Choline Chloride and Dihydric Alcohols. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 1247-1253.	1.0	120
425	Deep Eutectic Solvents: Sustainable Media for Nanoscale and Functional Materials. <i>Accounts of Chemical Research</i> , 2014, 47, 2299-2308.	7.6	708
426	Electrodeposition of SnBi coatings based on deep eutectic solvent. <i>Surface Engineering</i> , 2014, 30, 59-63.	1.1	11
427	NiO electrode for methanol electro-oxidation: Mesoporous vs. nanoparticulate. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 10892-10901.	3.8	76
428	Characterization of highly corrosion-resistant nanocrystalline Ni coating electrodeposited on Mgâ€“Ndâ€“Znâ€“Zr alloy from a eutectic-based ionic liquid. <i>Applied Surface Science</i> , 2014, 313, 711-719.	3.1	30
429	In Situ Generated Cetyltrimethylammonium Bisulphate in Choline Chlorideâ€“Urea Deep Eutectic Solvent: A Novel Catalytic System for One Pot Synthesis of 1,3,4-Oxadiazole. <i>Catalysis Letters</i> , 2014, 144, 1393-1398.	1.4	16
430	Dimethylurea/citric acid as a highly efficient deep eutectic solvent for the multi-component reactions. <i>Journal of Chemical Sciences</i> , 2014, 126, 881-887.	0.7	17
431	Solubilities and thermodynamic properties of CO ₂ in choline-chloride based deep eutectic solvents. <i>Journal of Chemical Thermodynamics</i> , 2014, 75, 58-62.	1.0	130
432	Electroplated Fe films prepared from a deep eutectic solvent. <i>Journal of Applied Physics</i> , 2014, 115, 17A344.	1.1	13
435	Alcohol based-deep eutectic solvent (DES) as an alternative green additive to increase rotenone yield. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	13
436	Differential Scanning Calorimetric Study on Binary Mixtures of Choline Chloride with Urea or 1,3-Dimethylurea. <i>Journal of Chemical Engineering of Japan</i> , 2015, 48, 881-884.	0.3	4

#	ARTICLE	IF	CITATIONS
437	Studies on electrochemical behavior of uranium species in choline chloride-urea eutectic for developing electrolytically treating method of uranium-bearing wastes. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 309, 627.	0.7	4
438	Evidence of Self-Aggregation of Cationic Surfactants in a Choline Chloride+Glycerol Deep Eutectic Solvent. <i>ChemPhysChem</i> , 2015, 16, 2538-2542.	1.0	40
439	Non-Ideal Behaviour and Solution Interactions in Binary DMSO Solutions. <i>ChemPhysChem</i> , 2015, 16, 3814-3823.	1.0	6
440	Reactivity of Polar Organometallic Compounds in Unconventional Reaction Media: Challenges and Opportunities. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 6779-6799.	1.2	105
441	Fundamental studies on the feasibility of deep eutectic solvents for the selective partition of glaucarubinone present in the roots of <i>Simarouba glauca</i> . <i>Journal of Separation Science</i> , 2015, 38, 3170-3175.	1.3	15
443	Exploration of deep eutectic solvent-based mesoporous silica spheres as high-performance size exclusion chromatography packing materials. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	10
444	Performance of Recombinant Whole-Cell-Catalyzed Reductions in Deep Eutectic Solvent-Aqueous Media Mixtures. <i>ChemCatChem</i> , 2015, 7, 2654-2659.	1.8	53
445	Deep Eutectic Mixtures: Promising Sustainable Solvents for Metal-Catalysed and Metal-Mediated Organic Reactions. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 5147-5157.	1.0	168
446	Method for Forming Pulp Fibre Yarns Developed by a Design-driven Process. <i>BioResources</i> , 2015, 11, .	0.5	15
447	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
449	A theoretical study on mitigation of CO ₂ through advanced deep eutectic solvents. <i>International Journal of Greenhouse Gas Control</i> , 2015, 39, 62-73.	2.3	55
450	Molecular and ionic diffusion in aqueous deep eutectic solvent mixtures: probing inter-molecular interactions using PFG NMR. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 15297-15304.	1.3	204
451	Magnetic Fe-Co films electroplated in a deep-eutectic-solvent-based plating bath. <i>Journal of Applied Physics</i> , 2015, 117, 17A925.	1.1	10
452	Unexpected lateral-lithiation-induced alkylative ring opening of tetrahydrofurans in deep eutectic solvents: synthesis of functionalised primary alcohols. <i>Chemical Communications</i> , 2015, 51, 9459-9462.	2.2	79
453	Deep eutectic solvent-assisted one-pot synthesis of 2-aminothiazole and 2-aminoxazole derivatives. <i>Comptes Rendus Chimie</i> , 2015, 18, 626-629.	0.2	18
454	Eco-efficiency and scalable synthesis of bisamides in deep eutectic solvent. <i>Journal of Molecular Liquids</i> , 2015, 206, 268-271.	2.3	27
455	Deep catalytic oxidative desulfurization (ODS) of dibenzothiophene (DBT) with oxalate-based deep eutectic solvents (DESS). <i>Chemical Communications</i> , 2015, 51, 10703-10706.	2.2	114
456	Dielectric Relaxations of (Acetamide + Electrolyte) Deep Eutectic Solvents in the Frequency Window, 0.2 $\hat{1}$ / $\hat{2}$ /GHz $\hat{1}$ / $\hat{2}$: Anion and Cation Dependence. <i>Journal of Physical Chemistry B</i> , 2015, 119, 8063-8071.	1.2	74

#	ARTICLE	IF	CITATIONS
457	Processing of lignin in urea-zinc chloride deep-eutectic solvent and its use as a filler in a phenol-formaldehyde resin. RSC Advances, 2015, 5, 28778-28785.	1.7	57
458	Electrochemical synthesis of nanosized TiO ₂ nanopowder involving choline chloride based ionic liquids. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 199, 87-95.	1.7	23
459	Ionothermal synthesis of zeolitic imidazolate frameworks and the synthesis dissolution-crystallization mechanism. Chinese Journal of Catalysis, 2015, 36, 855-865.	6.9	22
460	Electrochemical fabrication of nanoporous copper films in choline chloride-urea deep eutectic solvent. Physical Chemistry Chemical Physics, 2015, 17, 14702-14709.	1.3	48
461	Choline-Based Deep Eutectic Solvents for Mitigating Carbon Dioxide Emissions. , 2015, , 87-116.		10
462	Deep Eutectic Solvents Playing Multiple Roles in the Synthesis of Porous Carbon Materials. , 2015, , 23-45.		1
463	Solubilities of carbon dioxide in the eutectic mixture of levulinic acid (or furfuryl alcohol) and choline chloride. Journal of Chemical Thermodynamics, 2015, 88, 72-77.	1.0	125
464	Curing kinetics of epoxy-deep eutectic solvent mixtures. Thermochimica Acta, 2015, 612, 70-78.	1.2	25
465	Electrochemical exfoliation of graphite in quaternary ammonium-based deep eutectic solvents: a route for the mass production of graphane. Nanoscale, 2015, 7, 11386-11392.	2.8	52
466	Separation of toluene from toluene/alkane mixtures with phosphonium salt based deep eutectic solvents. Fuel Processing Technology, 2015, 135, 99-104.	3.7	46
467	Recent advances in the application of deep eutectic solvents as sustainable media as well as catalysts in organic reactions. RSC Advances, 2015, 5, 48675-48704.	1.7	497
468	ZnCl ₂ /Urea as a Deep Eutectic Solvent for the Preparation of Bis(indolyl)methanes Under Ultrasonic Conditions. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2015, 45, 1501-1505.	0.6	26
469	A eutectic mixture of choline chloride and urea as an assisting solvent in the synthesis of flower-like hierarchical BiOCl structures with enhanced photocatalytic activity. RSC Advances, 2015, 5, 49598-49605.	1.7	14
470	A novel colloidal suspension of TBA ⁺ BF ₄ ⁻ EG and its applications as a soft solid electrolyte. RSC Advances, 2015, 5, 87956-87962.	1.7	2
471	Copper electrodeposition from a chloride free deep eutectic solvent. Journal of Electroanalytical Chemistry, 2015, 758, 163-169.	1.9	28
472	Effect of water content on physicochemical properties and electrochemical behavior of ionic liquids containing choline chloride, ethylene glycol and hydrated nickel chloride. Journal of Molecular Liquids, 2015, 212, 716-722.	2.3	52
473	Mechanistic insight of in situ electrochemical reduction of solid PbO to lead in ChCl-EG deep eutectic solvent. Electrochimica Acta, 2015, 186, 455-464.	2.6	31
474	Deep eutectic solvent-assisted growth of gold nanofoams and their excellent catalytic properties. Journal of Molecular Liquids, 2015, 212, 763-766.	2.3	23

#	ARTICLE	IF	CITATIONS
475	Designed porous carbon materials for efficient CO ₂ adsorption and separation. <i>New Carbon Materials</i> , 2015, 30, 481-501.	2.9	91
476	Deep Eutectic Solvent as a Recyclable Catalyst for Three-Component Synthesis of β -Amino Carbonyls. <i>Catalysis Letters</i> , 2015, 145, 1062-1066.	1.4	34
477	Enhanced extraction of bioactive natural products using tailor-made deep eutectic solvents: application to flavonoid extraction from <i>Flos sophorae</i> . <i>Green Chemistry</i> , 2015, 17, 1718-1727.	4.6	361
478	Rhodium catalyzed hydroformylation of 1-decene in low melting mixtures based on various cyclodextrins and N,N-dimethylurea. <i>Catalysis Communications</i> , 2015, 63, 62-65.	1.6	37
479	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
480	The new liquid-liquid extraction method for separation of phenolic compounds from coal tar. <i>Chemical Engineering Journal</i> , 2015, 266, 148-155.	6.6	128
481	Density relaxation and particle motion characteristics in a non-ionic deep eutectic solvent (acetamide) Tj ETQq0 0 0 rgBT /Overlock 10 T <i>Journal of Chemical Physics</i> , 2015, 142, 034505.	1.2	69
482	Green solvents for green technologies. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 1631-1639.	1.6	306
483	Electrochemical characteristics and transport properties of Fe(II)/Fe(III) redox couple in a non-aqueous reline deep eutectic solvent. <i>Electrochimica Acta</i> , 2015, 154, 462-467.	2.6	50
484	A green deep eutectic solvent-based aqueous two-phase system for protein extracting. <i>Analytica Chimica Acta</i> , 2015, 864, 9-20.	2.6	228
485	Application of deep eutectic solvents in the extraction and separation of target compounds from various samples. <i>Journal of Separation Science</i> , 2015, 38, 1053-1064.	1.3	377
486	Synthesis and Characterization of <i>o</i> -Alkylated Amidium Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 325-333.	3.2	4
488	Isopropanol dehydration via extractive distillation using low transition temperature mixtures as entrainers. <i>Journal of Chemical Thermodynamics</i> , 2015, 85, 216-221.	1.0	46
489	A Comparative Study of Nickel Electrodeposition Using Deep Eutectic Solvents and Aqueous Solutions. <i>Electrochimica Acta</i> , 2015, 176, 718-726.	2.6	164
490	Improving agar electrospinnability with choline-based deep eutectic solvents. <i>International Journal of Biological Macromolecules</i> , 2015, 80, 139-148.	3.6	33
491	Electrodeposition behavior of bright nickel in air and water-stable betaine-HCl-ethylene glycol ionic liquid. <i>Transactions of Nonferrous Metals Society of China</i> , 2015, 25, 2458-2465.	1.7	13
492	Alkylation of thiophenic compounds catalyzed by deep eutectic solvents. <i>Catalysis Communications</i> , 2015, 70, 40-43.	1.6	11
493	Product of dissolution of V ₂ O ₅ in the choline chloride-urea deep eutectic solvent. <i>Inorganic Chemistry Communication</i> , 2015, 60, 37-40.	1.8	5

#	ARTICLE	IF	CITATIONS
494	Low-Transition-Temperature Mixtures (LTTMs) for Dissolving Proteins and for Drug Formulation. Applied Biochemistry and Biotechnology, 2015, 177, 753-758.	1.4	10
495	Hydrophobic deep eutectic solvents as water-immiscible extractants. Green Chemistry, 2015, 17, 4518-4521.	4.6	599
496	Sustainable Catalysis Systems Based on Ionic Liquids. , 2015, , 61-98.		1
497	Deep eutectic solvent-based microwave-assisted extraction of genistin, genistein and apigenin from pigeon pea roots. Separation and Purification Technology, 2015, 150, 63-72.	3.9	164
498	A magnetic nanoparticle catalyzed eco-friendly synthesis of cyanohydrins in a deep eutectic solvent. RSC Advances, 2015, 5, 61191-61198.	1.7	17
499	Temperature-induced Au nanostructure synthesis in a nonaqueous deep-eutectic solvent for high performance electrocatalysis. Journal of Materials Chemistry A, 2015, 3, 15869-15875.	5.2	35
500	Dynamic Solvent Control of a Reaction in Ionic Deep Eutectic Solvents: Time-Resolved Fluorescence Measurements of Reactive and Nonreactive Dynamics in (Choline Chloride + Urea) Melts. Journal of Physical Chemistry B, 2015, 119, 10102-10113.	1.2	72
501	Differential Microscopic Mobility of Components within a Deep Eutectic Solvent. Journal of Physical Chemistry Letters, 2015, 6, 2924-2928.	2.1	74
502	Dispersive micro-solid-phase extraction of dopamine, epinephrine and norepinephrine from biological samples based on green deep eutectic solvents and Fe ₃ O ₄ @MIL-100 (Fe) core-shell nanoparticles grafted with pyrocatechol. RSC Advances, 2015, 5, 65264-65273.	1.7	52
503	An approach for the rationalization of melting temperature for deep eutectic solvents from DFT. Chemical Physics Letters, 2015, 634, 151-155.	1.2	111
504	Papain Magnetic Nanocrystalline Cellulose Nanobiocatalyst: A Highly Efficient Biocatalyst for Dipeptide Biosynthesis in Deep Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2015, 3, 1589-1599.	3.2	86
505	Recent advances in multicomponent reactions involving carbohydrates. RSC Advances, 2015, 5, 57883-57905.	1.7	65
506	Deep Extractive Desulfurization with Arenium Ion Deep Eutectic Solvents. Industrial & Engineering Chemistry Research, 2015, 54, 4625-4632.	1.8	93
507	CHAPTER 1. The Search for Functional Porous Carbons from Sustainable Precursors. RSC Green Chemistry, 2015, , 3-49.	0.0	5
508	Folding and Imaging of DNA Nanostructures in Anhydrous and Hydrated Deep Eutectic Solvents. Angewandte Chemie - International Edition, 2015, 54, 6765-6769.	7.2	65
509	Electrochemical study of nickel from urea-acetamide-LiBr low-temperature molten salt. Electrochimica Acta, 2015, 169, 82-89.	2.6	10
510	Deep eutectic solvent catalyzed eco-friendly synthesis of imines and hydrobenzamides. Monatshefte für Chemie, 2015, 146, 1695-1698.	0.9	17
511	The Solution Structure of 1:2 Phenol/N-Methylpyridinium bis{(trifluoromethyl)sulfonyl}imide Liquid Mixtures. Journal of Solution Chemistry, 2015, 44, 621-633.	0.6	10

#	ARTICLE	IF	CITATIONS
512	Perspectives on the replacement of harmful organic solvents in analytical methodologies: a framework toward the implementation of a generation of eco-friendly alternatives. <i>Green Chemistry</i> , 2015, 17, 3687-3705.	4.6	189
513	Toward surfactant-free and water-free microemulsions. <i>Journal of Colloid and Interface Science</i> , 2015, 453, 186-193.	5.0	56
514	Environmentally Friendly Transistors and Circuits on Paper. <i>ChemPhysChem</i> , 2015, 16, 1286-1294.	1.0	16
515	Biodegradable betaine-based aprotic task-specific ionic liquids and their application in efficient SO ₂ absorption. <i>Green Chemistry</i> , 2015, 17, 3798-3805.	4.6	40
516	A novel green approach for the chemical modification of silica particles based on deep eutectic solvents. <i>Chemical Communications</i> , 2015, 51, 9825-9828.	2.2	51
517	Near-to-eutectic mixtures as bifunctional catalysts in the low-temperature-ring-opening-polymerization of ϵ -caprolactone. <i>Green Chemistry</i> , 2015, 17, 3632-3643.	4.6	27
518	Electrical conductivity in two mixed-valence liquids. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 14107-14114.	1.3	7
519	Deep Eutectic Solvents: Physicochemical Properties and Gas Separation Applications. <i>Energy & Fuels</i> , 2015, 29, 2616-2644.	2.5	777
520	Codeposition of Cu-Sn from Ethaline Deep Eutectic Solvent. <i>Electrochimica Acta</i> , 2015, 183, 27-36.	2.6	27
521	Aliphatic+ethanol separation via liquid-liquid extraction using low transition temperature mixtures as extracting agents. <i>Fluid Phase Equilibria</i> , 2015, 394, 71-82.	1.4	45
522	Density, transport properties and electrochemical potential windows for the 2-hydroxy-N,N,N-trimethylethanaminium chlorides based ionic liquids at several temperatures. <i>Fluid Phase Equilibria</i> , 2015, 395, 58-66.	1.4	26
523	Assessing the toxicity and biodegradability of deep eutectic solvents. <i>Chemosphere</i> , 2015, 132, 63-69.	4.2	308
524	Potential applications of deep eutectic solvents in nanotechnology. <i>Chemical Engineering Journal</i> , 2015, 273, 551-567.	6.6	415
525	Triethylene glycol based deep eutectic solvents and their physical properties. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 50, 24-30.	2.7	83
526	Greener [3+3] tandem annulation-oxidation approach towards the synthesis of substituted pyrimidines. <i>New Journal of Chemistry</i> , 2015, 39, 3639-3645.	1.4	62
527	Novel Deep Eutectic Solvent-Dissolved Molybdenum Oxide Catalyst for the Upgrading of Heavy Crude Oil. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 3589-3601.	1.8	25
528	Ionothermal synthesis of a new three-dimensional manganese(II) phosphate with DFT-zeotype structure. <i>RSC Advances</i> , 2015, 5, 21019-21022.	1.7	3
529	Room temperature deep eutectic solvents of (1S)-(+)-10-camphorsulfonic acid and sulfobetaines: hydrogen bond-based mixtures with low ionicity and structure-dependent toxicity. <i>RSC Advances</i> , 2015, 5, 31772-31786.	1.7	62

#	ARTICLE	IF	CITATIONS
530	Absolute Brønsted Acidities and pH Scales in Ionic Liquids. <i>ChemPhysChem</i> , 2015, 16, 1428-1439.	1.0	23
531	Evaluation of toxicity and biodegradability for cholinium-based deep eutectic solvents. <i>RSC Advances</i> , 2015, 5, 83636-83647.	1.7	180
532	Biocompatible Deep Eutectic Solvents Based on Choline Chloride: Characterization and Application to the Extraction of Rutin from <i>Sophora japonica</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2746-2755.	3.2	437
533	Theoretical evidence of charge transfer interaction between SO ₂ and deep eutectic solvents formed by choline chloride and glycerol. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 28729-28742.	1.3	80
534	Imidazole tailored deep eutectic solvents for CO ₂ capture enhanced by hydrogen bonds. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 27306-27316.	1.3	108
535	Determination of phenolic acids in <i>Prunella vulgaris</i> L.: a safe and green extraction method using alcohol-based deep eutectic solvents. <i>Analytical Methods</i> , 2015, 7, 9354-9364.	1.3	55
536	Aliphatic-Aromatic Separation Using Deep Eutectic Solvents as Extracting Agents. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 11404-11412.	1.8	85
537	Surfactant Behavior of Sodium Dodecylsulfate in Deep Eutectic Solvent Choline Chloride/Urea. <i>Langmuir</i> , 2015, 31, 12894-12902.	1.6	105
538	Electrochemistry and speciation of Au ⁺ in a deep eutectic solvent: growth and morphology of galvanic immersion coatings. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 30540-30550.	1.3	20
539	The impact of charges in force field parameterization for molecular dynamics simulations of deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2015, 211, 506-514.	2.3	69
540	Room-Temperature Molten Salts: Protic Ionic Liquids and Deep Eutectic Solvents as Media for Electrochemical Application. , 2015, , 217-252.		11
541	Non-haloaluminate ionic liquids for low-temperature electrodeposition of rare-earth metals-A review. <i>Journal of Rare Earths</i> , 2015, 33, 1017-1025.	2.5	25
542	Deep eutectic solvents as a new class of draw agent to enrich low abundance DNA and proteins using forward osmosis. <i>RSC Advances</i> , 2015, 5, 89539-89544.	1.7	25
543	Solutions of complex copper salts in low-transition-temperature mixture (LTTM). <i>Dalton Transactions</i> , 2015, 44, 18576-18584.	1.6	3
544	Orientational Jumps in (Acetamide + Electrolyte) Deep Eutectics: Anion Dependence. <i>Journal of Physical Chemistry B</i> , 2015, 119, 11157-11168.	1.2	61
545	Efficient SO ₂ Absorptions by Four Kinds of Deep Eutectic Solvents Based on Choline Chloride. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 8019-8024.	1.8	136
546	Investigation of a deep eutectic solvent formed by levulinic acid with quaternary ammonium salt as an efficient SO ₂ absorbent. <i>New Journal of Chemistry</i> , 2015, 39, 8158-8164.	1.4	98
547	Task-Specific Ionic Liquids for Electrochemical Applications. , 2015, , 253-281.		0

#	ARTICLE	IF	CITATIONS
548	Synthesis of 3,5-Disubstituted Isoxazoles and Isoxazolines in Deep Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2015, 3, 2343-2349.	3.2	59
549	Electrochemical Kinetics of Reduction of Zinc Oxide to Zinc Using 2:1 Urea/ChCl Ionic Liquid. Electrochimica Acta, 2015, 178, 617-623.	2.6	31
550	Functionalization of graphene using deep eutectic solvents. Nanoscale Research Letters, 2015, 10, 1004.	3.1	172
551	Extraction of Bitumen from Oil Sands Using Deep Eutectic Ionic Liquid Analogues. Energy & Fuels, 2015, 29, 4927-4935.	2.5	40
552	Green DES mixture as a surface treatment recipe for improving the thermoelectric properties of PEDOT:PSS films. Synthetic Metals, 2015, 209, 313-318.	2.1	19
553	Effect of l-arginine on the physical properties of choline chloride and glycerol based deep eutectic solvents. Journal of Molecular Liquids, 2015, 212, 605-611.	2.3	49
554	Physical Properties of a New Deep Eutectic Solvent Based on a Sulfonium Ionic Liquid as a Suitable Electrolyte for Electric Double-Layer Capacitors. Journal of Physical Chemistry C, 2015, 119, 970-979.	1.5	46
555	Acid- and metal-free synthesis of annulated pyrroles in a deep eutectic solvent. RSC Advances, 2015, 5, 2281-2284.	1.7	21
556	Native lipase dissolved in hydrophilic green solvents: A versatile 2 nd -phase reaction system for high yield ester synthesis. European Journal of Lipid Science and Technology, 2015, 117, 167-177.	1.0	21
557	Electrocatalytic recovery of elements from complex mixtures using deep eutectic solvents. Green Chemistry, 2015, 17, 2172-2179.	4.6	70
558	Deep eutectic solvent based on choline chloride and malonic acid as an efficient and reusable catalytic system for one-pot synthesis of functionalized pyrroles. RSC Advances, 2015, 5, 7720-7728.	1.7	113
559	DNA stability in ionic liquids and deep eutectic solvents. Journal of Chemical Technology and Biotechnology, 2015, 90, 19-25.	1.6	109
560	Self-organization of TiO ₂ Nanobamboos by Anodization with Deep Eutectic Solvent. Electrochimica Acta, 2015, 153, 409-415.	2.6	35
561	Microwave heating synthesis and formation mechanism of chalcopyrite structured CuInS ₂ nanorods in deep eutectic solvent. Materials Research Bulletin, 2015, 63, 88-92.	2.7	14
562	Densities of aqueous mixtures of (choline chloride+ethylene glycol) and (choline chloride+malonic) Tj ETQqO 0 0 rgBT /Overlock, 10 Tf 50	1.2	122
563	One-pot synthesis of tri- and tetrasubstituted imidazoles using eutectic salts as ionic liquid catalyst. Research on Chemical Intermediates, 2015, 41, 2063-2070.	1.3	18
564	Sustainable carbon materials. Chemical Society Reviews, 2015, 44, 250-290.	18.7	997
565	Medium and reaction engineering for the establishment of a chemo-enzymatic dynamic kinetic resolution of rac-benzoin in batch and continuous mode. Journal of Molecular Catalysis B: Enzymatic, 2015, 114, 42-49.	1.8	43

#	ARTICLE	IF	CITATIONS
566	Carbon materialization of ionic liquids: from solvents to materials. <i>Materials Horizons</i> , 2015, 2, 168-197.	6.4	165
567	Low transition temperature mixtures (LTTMs) as novel entrainers in extractive distillation. <i>Fluid Phase Equilibria</i> , 2015, 385, 72-78.	1.4	81
568	Anomalous self-reduction of layered double hydroxide (LDH): from $\text{Ni}(\text{OH})_2$ to hexagonal close packing (HCP) Ni/NiO by annealing without a reductant. <i>Chemical Communications</i> , 2015, 51, 1004-1007.	2.2	23
569	Design and application of a novel ionic liquid with the property of strengthening coenzyme regeneration for whole-cell bioreduction in an ionic liquid-distilled water medium. <i>Bioresource Technology</i> , 2015, 175, 42-50.	4.8	21
570	Endowing manganese oxide with fast adsorption ability through controlling the manganese carbonate precursor assembled in ionic liquid. <i>Journal of Colloid and Interface Science</i> , 2015, 438, 149-158.	5.0	32
571	Choline chloride/urea as an effective plasticizer for production of cellulose films. <i>Carbohydrate Polymers</i> , 2015, 117, 133-139.	5.1	84
572	Latest trends, green aspects, and innovations in liquid-phase-based microextraction techniques: a review. <i>Turkish Journal of Chemistry</i> , 2016, 40, 868-893.	0.5	57
573	The Properties of Choline Chloride-based Deep Eutectic Solvents and their Performance in the Dissolution of Cellulose. <i>BioResources</i> , 2016, 11, .	0.5	50
574	Synthesis of a Novel Allyl-Functionalized Deep Eutectic Solvent to Promote Dissolution of Cellulose. <i>BioResources</i> , 2016, 11, .	0.5	32
575	An Expedient and Greener Synthesis of 2-Aminoimidazoles in Deep Eutectic Solvents. <i>Molecules</i> , 2016, 21, 924.	1.7	44
576	Enzymatic Synthesis of Glucose-Based Fatty Acid Esters in Bisolvent Systems Containing Ionic Liquids or Deep Eutectic Solvents. <i>Molecules</i> , 2016, 21, 1294.	1.7	43
577	Deep Eutectic Solvent-Based Microwave-Assisted Method for Extraction of Hydrophilic and Hydrophobic Components from <i>Radix Salviae miltiorrhizae</i> . <i>Molecules</i> , 2016, 21, 1383.	1.7	62
578	Lipase Activation and Stability Enhancement in Ionic Liquids. , 2016, , 99-152.		2
579	Effect of Bath Temperature on Structural and Magnetic Properties of $\text{Fe}_2\text{Ni}_7\text{S}_8$ Films Electroplated in a Deep-Eutectic-Solvent-Based Bath. , 2016, , .		0
580	Mechanochemical Exfoliation of 2D Crystals in Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4465-4472.	3.2	52
581	Co-templating Ionothermal Synthesis and Crystal Structure of a New Layered Aluminophosphate from a Protic Deep Eutectic Solvent. <i>Chinese Journal of Chemistry</i> , 2016, 34, 419-424.	2.6	4
582	Removal of Thiophene from Mixtures with <i>n</i> -Heptane by Selective Extraction Using Deep Eutectic Solvents. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 8415-8423.	1.8	98
583	Synthesis of Functional Nanomaterials in Ionic Liquids. <i>Advanced Materials</i> , 2016, 28, 1011-1030.	11.1	129

#	ARTICLE	IF	CITATIONS
584	Innovative Poly(Ionic Liquid)s by the Polymerization of Deep Eutectic Monomers. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1135-1142.	2.0	45
585	Deep Eutectic Solvents for Organocatalysis, Biotransformations, and Multistep Organocatalyst/Enzyme Combinations. <i>ChemCatChem</i> , 2016, 8, 1020-1027.	1.8	129
586	Choline-based biodegradable ionic liquid catalyst for Mannich-type reaction. <i>Journal of Chemical Sciences</i> , 2016, 128, 1855-1860.	0.7	3
587	Exploiting Deep Eutectic Solvents and Organolithium Reagent Partnerships: Chemoselective Ultrafast Addition to Imines and Quinolines Under Aerobic Ambient Temperature Conditions. <i>Angewandte Chemie</i> , 2016, 128, 16379-16382.	1.6	42
588	Collective dynamic dipole moment and orientation fluctuations, cooperative hydrogen bond relaxations, and their connections to dielectric relaxation in ionic acetamide deep eutectics: Microscopic insight from simulations. <i>Journal of Chemical Physics</i> , 2016, 145, 084504.	1.2	28
589	Electroplated Fe-Co-Ni films prepared from deep-eutectic-solvent-based plating baths. <i>AIP Advances</i> , 2016, 6, .	0.6	17
591	Synthesis of CuSCN particles in deep eutectic solvents and its application in the thermal decomposition of ammonium perchlorate. <i>Particulate Science and Technology</i> , 2016, 34, 407-411.	1.1	1
592	Novel Glycerol-Based Natural Eutectic Mixtures and Their Efficiency in the Ultrasound-Assisted Extraction of Antioxidant Polyphenols from Agri-Food Waste Biomass. <i>Waste and Biomass Valorization</i> , 2016, 7, 1377-1387.	1.8	120
593	Novel lactic acid-based natural deep eutectic solvents: Efficiency in the ultrasound-assisted extraction of antioxidant polyphenols from common native Greek medicinal plants. <i>Journal of Applied Research on Medicinal and Aromatic Plants</i> , 2016, 3, 120-127.	0.9	136
594	Herbicidal ionic liquids derived from renewable sources. <i>RSC Advances</i> , 2016, 6, 52781-52789.	1.7	38
595	Mechanical and barrier properties of starch-based films plasticized with two- or three component deep eutectic solvents. <i>Carbohydrate Polymers</i> , 2016, 151, 103-112.	5.1	81
596	Novel Nano-/Micro-Biocatalyst: Soybean Epoxide Hydrolase Immobilized on UiO-66-NH ₂ MOF for Efficient Biosynthesis of Enantiopure (<i>R</i>)-1, 2-Octanediol in Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3586-3595.	3.2	171
597	Deep eutectic solvent-based dispersive liquid-liquid microextraction. <i>Analytical Methods</i> , 2016, 8, 2576-2583.	1.3	111
598	One-pot and sustainable synthesis of nanocrystalline hydroxyapatite powders using deep eutectic solvents. <i>Materials Letters</i> , 2016, 175, 89-92.	1.3	18
599	Investigation on drug solubility enhancement using deep eutectic solvents and their derivatives. <i>International Journal of Pharmaceutics</i> , 2016, 505, 283-288.	2.6	106
600	Are Aqueous Biphasic Systems Composed of Deep Eutectic Solvents Ternary or Quaternary Systems?. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 2881-2886.	3.2	177
601	An efficient and green method for regio- and chemo-selective Friedel-Crafts acylations using a deep eutectic solvent ([CholineCl] ₂ [ZnCl ₂] ₃). <i>RSC Advances</i> , 2016, 6, 37031-37038.	1.7	44
602	Countercurrent assisted quantitative recovery of metabolites from plant-associated natural deep eutectic solvents. <i>Fä-toterapÄ-Äç</i> , 2016, 112, 30-37.	1.1	44

#	ARTICLE	IF	CITATIONS
603	Deep eutectic solvent as effective catalyst for aminolysis of polyethylene terephthalate (PET) waste. <i>International Journal of Plastics Technology</i> , 2016, 20, 106-120.	2.9	48
604	Sustainable-solvent-induced polymorphism in chitin films. <i>Green Chemistry</i> , 2016, 18, 4303-4311.	4.6	36
605	Promotion of 1,3-dipolar cycloaddition between azides and β^2 -enaminones by deep eutectic solvents. <i>New Journal of Chemistry</i> , 2016, 40, 5989-5992.	1.4	26
606	Simultaneous synthesis of a deep eutectic solvent and its application in liquid-liquid microextraction of polycyclic aromatic hydrocarbons from aqueous samples. <i>RSC Advances</i> , 2016, 6, 47990-47996.	1.7	65
607	Dispelling some myths about the CO ₂ solubility in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 14757-14771.	1.3	85
608	Application of ionic liquids and deep eutectic solvents in biodiesel production: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 61, 473-500.	8.2	178
609	Evaluation of Deep Eutectic Solvent for the selective extraction of toluene and quinoline at T=308.15 K and p=1 bar. <i>Fluid Phase Equilibria</i> , 2016, 423, 146-155.	1.4	37
610	Tailoring the textural properties of hierarchical porous carbons using deep eutectic solvents. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9146-9159.	5.2	39
611	High-performance of deep eutectic solvent based aqueous bi-phasic systems for the extraction of DNA. <i>RSC Advances</i> , 2016, 6, 84406-84414.	1.7	44
612	Phase equilibria of phenol-toluene-quaternary ammonium salts for the separation of phenols from oil with forming deep eutectic solvents. <i>Fluid Phase Equilibria</i> , 2016, 429, 67-75.	1.4	21
613	Anionically Stabilized Cellulose Nanofibrils through Succinylation Pretreatment in Urea-Lithium Chloride Deep Eutectic Solvent. <i>ChemSusChem</i> , 2016, 9, 3074-3083.	3.6	70
614	Heterogeneously Catalyzed Hydrothermal Processing of C ₅ -C ₆ Sugars. <i>Chemical Reviews</i> , 2016, 116, 12328-12368.	23.0	253
615	Zinc-based deep eutectic solvent-mediated hydroxylation and demethoxylation of lignin for the production of wood adhesive. <i>RSC Advances</i> , 2016, 6, 89599-89608.	1.7	58
616	Eco-friendly one pot synthesis of caffeic acid phenethyl ester (CAPE) via an in-situ formed deep eutectic solvent. <i>Sustainable Chemistry and Pharmacy</i> , 2016, 4, 40-45.	1.6	12
617	Cu(In,Ga)S ₂ absorber layer prepared for thin film solar cell by electrodeposition of Cu-Ga precursor from deep eutectic solvent. <i>Solar Energy</i> , 2016, 139, 29-35.	2.9	11
618	Atomistic insights into deep eutectic electrolytes: the influence of urea on the electrolyte salt LiTFSI in view of electrochemical applications. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28403-28408.	1.3	45
619	Synthesis of 1,4-dihydropyridine esters using low-melting sugar mixtures as green solvents. <i>Synthetic Communications</i> , 2016, 46, 1989-1998.	1.1	4
620	Phase Behavior of Ternary Mixtures {Aliphatic Hydrocarbon + Aromatic Hydrocarbon + Deep Eutectic Solvent}: A Step Forward toward Greener-Extraction Process. <i>Procedia Engineering</i> , 2016, 148, 1340-1345.	1.2	16

#	ARTICLE	IF	CITATIONS
621	Lead removal from water by choline chloride based deep eutectic solvents functionalized carbon nanotubes. <i>Journal of Molecular Liquids</i> , 2016, 222, 883-894.	2.3	90
622	An efficient synthesis of pyrazolo[1,5-a]pyrimidines and evaluation of their antimicrobial activity. <i>Journal of Chemical Sciences</i> , 2016, 128, 1459-1468.	0.7	26
623	Microwave-mediated rapid tailoring of PET fabric surface by using environmentally-benign, biodegradable Urea-Choline chloride Deep eutectic solvent. <i>Fibers and Polymers</i> , 2016, 17, 847-856.	1.1	8
624	Do group 1 metal salts form deep eutectic solvents?. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 25528-25537.	1.3	43
625	Phase equilibria of high pressure CO ₂ and deep eutectic solvents formed by quaternary ammonium salts and phenol. <i>Fluid Phase Equilibria</i> , 2016, 429, 14-20.	1.4	25
626	On the stability and chemorheology of a urea choline chloride deep-eutectic solvent as an internal phase in acrylic high internal phase emulsions. <i>RSC Advances</i> , 2016, 6, 81694-81702.	1.7	25
627	Charge Spreading in Deep Eutectic Solvents. <i>ChemPhysChem</i> , 2016, 17, 3354-3358.	1.0	93
628	Nanoscale Spatial Heterogeneity in Deep Eutectic Solvents. <i>Journal of Physical Chemistry B</i> , 2016, 120, 6712-6720.	1.2	123
629	Development of deep eutectic solvents applied in extraction and separation. <i>Journal of Separation Science</i> , 2016, 39, 3505-3520.	1.3	306
630	Removal of alkali and transition metal ions from water with hydrophobic deep eutectic solvents. <i>Chemical Communications</i> , 2016, 52, 11987-11990.	2.2	196
631	<sc>Isoleucine in a Choline Chloride/Ethylene Glycol Deep Eutectic Solvent: A Reusable Reaction Kit for the Asymmetric Cross-Aldol Carbonylation. <i>Organic Letters</i> , 2016, 18, 4266-4269.	2.4	31
632	Investigation of solubilities of carbon dioxide in five levulinic acid-based deep eutectic solvents and their thermodynamic properties. <i>Journal of Chemical Thermodynamics</i> , 2016, 103, 212-217.	1.0	76
633	Exploiting Deep Eutectic Solvents and Organolithium Reagent Partnerships: Chemoselective Ultrafast Addition to Imines and Quinolines Under Aerobic Ambient Temperature Conditions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 16145-16148.	7.2	123
634	Functionalization of CNTs surface with phosphonium based deep eutectic solvents for arsenic removal from water. <i>Applied Surface Science</i> , 2016, 389, 216-226.	3.1	89
635	Facile fabrication of nickel nanostructures on a copper-based template via a galvanic replacement reaction in a deep eutectic solvent. <i>Electrochemistry Communications</i> , 2016, 70, 60-64.	2.3	48
636	New levulinic acid-based deep eutectic solvents: Synthesis and physicochemical property determination. <i>Journal of Molecular Liquids</i> , 2016, 222, 201-207.	2.3	67
637	Electropolishing of Re-melted SLM Stainless Steel 316L Parts Using Deep Eutectic Solvents: 3 ³ -Full Factorial Design. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 2836-2846.	1.2	74
638	Biocatalysis and Biomass Conversion in Alternative Reaction Media. <i>Chemistry - A European Journal</i> , 2016, 22, 12984-12999.	1.7	149

#	ARTICLE	IF	CITATIONS
639	Synthesis and Characterization of Polymer Electrolyte Using Deep Eutectic Solvents and Electrospun Poly(vinyl alcohol) Membrane. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 8341-8348.	1.8	24
640	Effect of water presence on choline chloride-2urea ionic liquid and coating platings from the hydrated ionic liquid. <i>Scientific Reports</i> , 2016, 6, 29225.	1.6	132
641	Molar Enthalpy of Mixing for Choline Chloride/Urea Deep Eutectic Solvent + Water System. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 4172-4177.	1.0	30
642	A novel poly(deep eutectic solvent)-based magnetic silica composite for solid-phase extraction of trypsin. <i>Analytica Chimica Acta</i> , 2016, 946, 64-72.	2.6	75
643	Ternary and binary deep eutectic solvents as a novel extraction medium for protein partitioning. <i>Analytical Methods</i> , 2016, 8, 8196-8207.	1.3	60
644	Solvation dynamics of an ionic probe in choline chloride-based deep eutectic solvents. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31471-31479.	1.3	37
645	Deep-Eutectic Solvents as MWCNT Delivery Vehicles in the Synthesis of Functional Poly(HIPE) Nanocomposites for Applications as Selective Sorbents. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 31295-31303.	4.0	38
646	Zinc Electrodeposition from Zinc Oxide in the Urea/1-ethyl-3-methylimidazolium Chloride at 353 K. <i>Electrochemistry</i> , 2016, 84, 872-877.	0.6	14
647	Facile Preparation of Brightâ€Fluorescent Soft Materials from Small Organic Molecules. <i>Chemistry - A European Journal</i> , 2016, 22, 8096-8104.	1.7	30
648	Deep Eutectic Solvents: The Organic Reaction Medium of the Century. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 612-632.	1.2	519
649	Precise Urea/Water Eutectic Composition by Temperatureâ€Resolved Second Harmonic Generation. <i>Chemical Engineering and Technology</i> , 2016, 39, 1326-1332.	0.9	11
650	Quantum Chemical Insight into the Interactions and Thermodynamics Present in Choline Chloride Based Deep Eutectic Solvents. <i>Journal of Physical Chemistry B</i> , 2016, 120, 6739-6746.	1.2	130
651	Synthesis of Biodegradable Macroporous Poly(lactide)/Poly(Îµ-caprolactone) Blend Using Oil-in-Eutectic-Mixture High-Internal-Phase Emulsions as Template. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 16939-16949.	4.0	55
652	Vibrational analysis and formation mechanism of typical deep eutectic solvents: An experimental and theoretical study. <i>Journal of Molecular Graphics and Modelling</i> , 2016, 68, 158-175.	1.3	105
653	PdSn nanocatalysts supported on carbon nanotubes synthesized in deep eutectic solvents with high activity for formic acid electrooxidation. <i>RSC Advances</i> , 2016, 6, 60400-60406.	1.7	47
654	Doubly ionic hydrogen bond interactions within the choline chlorideâ€urea deep eutectic solvent. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 18145-18160.	1.3	272
655	A green and cost-effective rechargeable battery with high energy density based on a deep eutectic catholyte. <i>Energy and Environmental Science</i> , 2016, 9, 2267-2272.	15.6	66
656	In situ Raman and synchrotron X-ray diffraction study on crystallization of Choline chloride/Urea deep eutectic solvent under high pressure. <i>Chemical Physics Letters</i> , 2016, 661, 240-245.	1.2	26

#	ARTICLE	IF	CITATIONS
657	Deep Eutectic Solvents on the Surface of Face Centered Cubic Metals. <i>Journal of Physical Chemistry C</i> , 2016, 120, 10400-10409.	1.5	29
658	Latent Fingermarks Enhancement in Deep Eutectic Solvent by Co-electrodepositing Silver and Copper Particles on Metallic Substrates. <i>Electrochimica Acta</i> , 2016, 211, 437-444.	2.6	18
659	Oxalic acid dihydrate: proline as a new recyclable designer solvent: a sustainable, green avenue for the synthesis of spirooxindole. <i>Research on Chemical Intermediates</i> , 2016, 42, 1411-1423.	1.3	27
660	Electrochemically Shape-Controlled Synthesis of Pd Concave-Disdyakis Tricontahedra in Deep Eutectic Solvent. <i>Journal of Physical Chemistry C</i> , 2016, 120, 15569-15577.	1.5	38
661	Deep eutectic solvents as attractive media for CO ₂ capture. <i>Green Chemistry</i> , 2016, 18, 2834-2842.	4.6	209
662	Development of green betaine-based deep eutectic solvent aqueous two-phase system for the extraction of protein. <i>Talanta</i> , 2016, 152, 23-32.	2.9	226
663	Deep eutectic solvents in countercurrent and centrifugal partition chromatography. <i>Journal of Chromatography A</i> , 2016, 1434, 102-110.	1.8	54
664	Liquid structure of the choline chloride-urea deep eutectic solvent (reline) from neutron diffraction and atomistic modelling. <i>Green Chemistry</i> , 2016, 18, 2736-2744.	4.6	395
665	Investigation of Ammonium- and Phosphonium-Based Deep Eutectic Solvents as Electrolytes for a Non-Aqueous All-Vanadium Redox Cell. <i>Journal of the Electrochemical Society</i> , 2016, 163, A632-A638.	1.3	37
666	Toxicity profile of choline chloride-based deep eutectic solvents for fungi and <i>Cyprinus carpio</i> fish. <i>Environmental Science and Pollution Research</i> , 2016, 23, 7648-7659.	2.7	128
667	Room temperature ionic liquids interacting with bio-molecules: an overview of experimental and computational studies. <i>Philosophical Magazine</i> , 2016, 96, 870-894.	0.7	38
668	Effects of glycine and current density on the mechanism of electrodeposition, composition and properties of Ni-Mn films prepared in ionic liquid. <i>Applied Surface Science</i> , 2016, 365, 31-37.	3.1	33
669	Preparation of a nitro-substituted tris(indolyl)methane modified silica in deep eutectic solvents for solid-phase extraction of organic acids. <i>Talanta</i> , 2016, 151, 1-7.	2.9	11
670	Facile and shape-controlled electrochemical synthesis of gold nanocrystals by changing water contents in deep eutectic solvents and their electrocatalytic activity. <i>RSC Advances</i> , 2016, 6, 8786-8790.	1.7	46
671	Infrared studies of polyacrylonitrile-based polymer electrolytes incorporated with lithium bis(trifluoromethane)sulfonimide and urea as deep eutectic solvent. <i>Optical Materials</i> , 2016, 56, 140-144.	1.7	18
672	Natural designer solvents for greening analytical chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 76, 126-136.	5.8	282
673	Synthesis of calcium phosphate nanoparticles in deep-eutectic choline chloride-urea medium: Investigating the role of synthesis temperature on phase characteristics and physical properties. <i>Ceramics International</i> , 2016, 42, 2780-2788.	2.3	46
674	Synthesis of fully substituted naphthyridines: a novel domino four-component reaction in a deep eutectic solvent system based on choline chloride/urea. <i>Tetrahedron Letters</i> , 2016, 57, 351-353.	0.7	38

#	ARTICLE	IF	CITATIONS
675	Choline chloride/urea as a deep eutectic solvent/organocatalyst promoted three-component synthesis of 3-aminoimidazo-fused heterocycles via Groebkeâ€“Blackburnâ€“Bienayme process. Tetrahedron Letters, 2016, 57, 310-313.	0.7	42
676	Phosphorus-doped carbonâ€“carbon nanotube hierarchical monoliths as true three-dimensional electrodes in supercapacitor cells. Journal of Materials Chemistry A, 2016, 4, 1251-1263.	5.2	136
677	The effect of choline-based ionic liquid on CNTs' arrangement in epoxy resin matrix. Materials and Design, 2016, 91, 180-185.	3.3	15
678	Hybrid green nonaqueous media: tetraethylene glycol modifies the properties of a (choline chloride +) Tj ETQq1 1 0,784314 rgBT /Overle	1.7	25
679	Electrochemical Study of the Diffusion and Nucleation of Gallium(III) in [Bmim][TfO] Ionic Liquid. Electrochimica Acta, 2016, 190, 1066-1077.	2.6	19
680	Extractive desulfurisation of gasoline with tetrabutyl ammonium chloride-based deep eutectic solvents. Separation Science and Technology, 2016, 51, 1336-1343.	1.3	38
681	A facile and green synthetic approach based on deep eutectic solvents toward synthesis of CZTS nanoparticles. Materials Letters, 2016, 171, 100-103.	1.3	27
682	Impact of water on the melting temperature of urea + choline chloride deep eutectic solvent. New Journal of Chemistry, 2016, 40, 4492-4499.	1.4	149
683	Synthesis of Mesoporous Siliceous Materials in Choline Chloride Deep Eutectic Solvents and the Application of These Materials to High-Performance Size Exclusion Chromatography. Chromatographia, 2016, 79, 375-382.	0.7	33
684	Comprehensive Evaluation of Deep Eutectic Solvents in Extraction of Bioactive Natural Products. ACS Sustainable Chemistry and Engineering, 2016, 4, 2405-2411.	3.2	359
685	Corrosion resistance of AZ31B magnesium alloy with a conversion coating produced from a choline chlorideâ€“Urea based deep eutectic solvent. Corrosion Science, 2016, 106, 108-116.	3.0	99
686	A Study on Removal of Rare Earth Elements from U.S. Coal Byproducts by Ion Exchange. Metallurgical and Materials Transactions E, 2016, 3, 6-17.	0.5	36
687	PC-SAFT Modeling of CO ₂ Solubilities in Deep Eutectic Solvents. Journal of Physical Chemistry B, 2016, 120, 2300-2310.	1.2	110
688	Enzyme-mediated free radical polymerization of acrylamide in deep eutectic solvents. RSC Advances, 2016, 6, 13072-13079.	1.7	43
689	Glycerol-Based Deep Eutectic Solvents as Extractants for the Separation of MEK and Ethanol via Liquidâ€“Liquid Extraction. Journal of Chemical & Engineering Data, 2016, 61, 865-872.	1.0	48
690	Electrochemical recycling of lead from hybrid organicâ€“inorganic perovskites using deep eutectic solvents. Green Chemistry, 2016, 18, 2946-2955.	4.6	62
691	Efficient continuous synthesis of high purity deep eutectic solvents by twin screw extrusion. Chemical Communications, 2016, 52, 4215-4218.	2.2	111
692	Silicon Oxide Dissolution in Fluorohydrogenates Ionic Liquid. Journal of the Electrochemical Society, 2016, 163, E135-E141.	1.3	3

#	ARTICLE	IF	CITATIONS
693	Molar Heat Capacity of Selected Type III Deep Eutectic Solvents. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 1608-1615.	1.0	37
694	Properties of Polyvinylpyrrolidone in a Deep Eutectic Solvent. <i>Journal of Physical Chemistry A</i> , 2016, 120, 3253-3259.	1.1	46
695	Thermal and physical properties of (Choline chloride + urea +l-arginine) deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2016, 218, 301-308.	2.3	185
696	Efficient separation of phenolic compounds from model oil by the formation of choline derivative-based deep eutectic solvents. <i>Separation and Purification Technology</i> , 2016, 163, 310-318.	3.9	75
697	Wool deconstruction using a benign eutectic melt. <i>RSC Advances</i> , 2016, 6, 20095-20101.	1.7	38
698	Passerini three-component cascade reactions in deep eutectic solvent: an environmentally benign and rapid system for the synthesis of α -acyloxyamides. <i>Research on Chemical Intermediates</i> , 2016, 42, 5607-5616.	1.3	23
699	Spontaneous vesicle formation in a deep eutectic solvent. <i>Soft Matter</i> , 2016, 12, 1645-1648.	1.2	64
700	Imidazole-based deep eutectic solvents for starch dissolution and plasticization. <i>Carbohydrate Polymers</i> , 2016, 140, 416-423.	5.1	73
701	Bitumen-Silica Interactions in a Deep Eutectic Ionic Liquid Analogue. <i>Energy & Fuels</i> , 2016, 30, 249-255.	2.5	12
702	Deep eutectic solvents (DESs) as eco-friendly and sustainable solvent/catalyst systems in organic transformations. <i>Journal of Molecular Liquids</i> , 2016, 215, 345-386.	2.3	354
703	Fructose dehydration to 5HMF in a green self-catalysed DES composed of N,N-diethylethanolammonium chloride and p-toluenesulfonic acid monohydrate (p-TSA). <i>Comptes Rendus Chimie</i> , 2016, 19, 450-456.	0.2	13
704	Basicity and stability of urea deep eutectic mixtures. <i>RSC Advances</i> , 2016, 6, 5485-5490.	1.7	43
705	Glycerol-based deep eutectic solvents: Physical properties. <i>Journal of Molecular Liquids</i> , 2016, 215, 98-103.	2.3	294
706	Green and highly efficient synthesis of pyranopyrazoles in choline chloride/urea deep eutectic solvent. <i>Synthetic Communications</i> , 2016, 46, 220-225.	1.1	29
707	Highly efficient CO_2 capture by simple and low-cost deep eutectic solvents. <i>Green Chemistry</i> , 2016, 18, 2522-2527.	4.6	56
708	Room Temperature Ionic Liquids Meet Biomolecules: A Microscopic View of Structure and Dynamics. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 392-412.	3.2	148
709	Synthesis of CuS by elemental-direct-reaction in a reline deep eutectic solvent and its catalytic activity in the thermal decomposition of ammonium perchlorate. <i>Research on Chemical Intermediates</i> , 2016, 42, 3315-3324.	1.3	4
710	A facile synthesis of 6-amino-2H, 4H-pyrano[2,3- \tilde{N}]pyrazole-5-carbonitriles in deep eutectic solvent. <i>Chinese Chemical Letters</i> , 2016, 27, 370-374.	4.8	42

#	ARTICLE	IF	CITATIONS
711	Nanostructure of Deep Eutectic Solvents at Graphite Electrode Interfaces as a Function of Potential. <i>Journal of Physical Chemistry C</i> , 2016, 120, 2225-2233.	1.5	58
712	Rapid hydrophilic modification of poly(ethylene terephthalate) surface by using deep eutectic solvent and microwave irradiation. <i>Textile Research Journal</i> , 2016, 86, 1318-1327.	1.1	15
713	Nitrogen-doped carbons prepared from eutectic mixtures as metal-free oxygen reduction catalysts. <i>Journal of Materials Chemistry A</i> , 2016, 4, 478-488.	5.2	35
714	Facile synthesis of [urea-Zn] ₂ eutectic-based ionic liquid for efficient conversion of carbon dioxide to cyclic carbonates. <i>Journal of Molecular Catalysis A</i> , 2016, 412, 20-26.	4.8	43
715	Utilization of deep eutectic solvents as novel mobile phase additives for improving the separation of bioactive quaternary alkaloids. <i>Talanta</i> , 2016, 149, 85-90.	2.9	106
716	Hydrogels based on cellulose and chitin: fabrication, properties, and applications. <i>Green Chemistry</i> , 2016, 18, 53-75.	4.6	522
717	Catalyst-free synthesis of imidazo [1,2-a] pyridines via Groebke multicomponent reaction. <i>Environmental Chemistry Letters</i> , 2016, 14, 201-206.	8.3	29
718	Magnetic solid-phase extraction of protein with deep eutectic solvent immobilized magnetic graphene oxide nanoparticles. <i>Talanta</i> , 2016, 148, 153-162.	2.9	91
719	Biocatalytic synthesis of biodiesel utilizing deep eutectic solvents: A two-step-one-pot approach with free lipases suitable for acidic and used oil processing. <i>Process Biochemistry</i> , 2016, 51, 1808-1816.	1.8	42
720	Phase equilibrium in binary systems of ionic liquids, or deep eutectic solvents with 2-phenylethanol (PEA), or water. <i>Fluid Phase Equilibria</i> , 2016, 424, 68-78.	1.4	21
721	Ionothermal Synthesis of Molecular Sieves. <i>Green Chemistry and Sustainable Technology</i> , 2016, , 37-76.	0.4	2
722	From green chemistry to nature: The versatile role of low transition temperature mixtures. <i>Biochimie</i> , 2016, 120, 119-123.	1.3	108
723	Properties for binary mixtures of (acetamide + KSCN) eutectic ionic liquid with ethanol at several temperatures. <i>Journal of Chemical Thermodynamics</i> , 2016, 92, 1-7.	1.0	12
724	Deep eutectic solvents as efficient solvent system for the extraction of Î²-carrageenan from <i>Kappaphycus alvarezii</i> . <i>Carbohydrate Polymers</i> , 2016, 136, 930-935.	5.1	126
725	Stereoselective organocatalysed reactions in deep eutectic solvents: highly tunable and biorenewable reaction media for sustainable organic synthesis. <i>Green Chemistry</i> , 2016, 18, 792-797.	4.6	103
726	Ionothermal synthesis of Fe ₃ O ₄ magnetic nanoparticles as efficient heterogeneous Fenton-like catalysts for degradation of organic pollutants with H ₂ O ₂ . <i>Journal of Hazardous Materials</i> , 2017, 322, 152-162.	6.5	261
727	Multicomponent reaction in deep eutectic solvent for synthesis of substituted 1-aminoalkyl-2-naphthols. <i>Research on Chemical Intermediates</i> , 2017, 43, 379-385.	1.3	35
728	A green chemical approach: a straightforward one-pot synthesis of 2-aminothiophene derivatives via Gewald reaction in deep eutectic solvents. <i>Monatshefte für Chemie</i> , 2017, 148, 711-716.	0.9	13

#	ARTICLE	IF	CITATIONS
729	Regio- and stereoselective synthesis of novel trispiropyrrolidine/thiapyrrolizidines using deep eutectic solvent as an efficient reaction media. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 1119-1129.	1.2	10
730	Deep eutectic solvents for green and efficient iron-mediated ligand-free atom transfer radical polymerization. <i>Polymer Chemistry</i> , 2017, 8, 1616-1627.	1.9	40
731	Deep eutectic solvents: similia similibus solvuntur?. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 4041-4047.	1.3	52
732	Paint casting: A facile method of studying mineral electrochemistry. <i>Electrochemistry Communications</i> , 2017, 76, 20-23.	2.3	18
733	Water as Cosolvent: Nonviscous Deep Eutectic Solvents for Efficient Lipase-Catalyzed Esterifications. <i>ChemCatChem</i> , 2017, 9, 1393-1396.	1.8	91
734	Mixing cations with different alkyl chain lengths markedly depresses the melting point in deep eutectic solvents formed from alkylammonium bromide salts and urea. <i>Chemical Communications</i> , 2017, 53, 2375-2377.	2.2	45
735	Direct Electro-Deoxidation of Solid PbO to Porous Lead in Choline Chloride-Ethylene Glycol Deep Eutectic Solvent. <i>Journal of the Electrochemical Society</i> , 2017, 164, D143-D149.	1.3	14
736	Effect of cation alkyl chain length on surface forces and physical properties in deep eutectic solvents. <i>Journal of Colloid and Interface Science</i> , 2017, 494, 373-379.	5.0	82
737	Assessing solute partitioning in deep eutectic solvent-based biphasic systems using the predictive thermodynamic model COSMO-RS. <i>Fluid Phase Equilibria</i> , 2017, 437, 23-33.	1.4	52
738	Application of Ionic Liquids to Energy Storage and Conversion Materials and Devices. <i>Chemical Reviews</i> , 2017, 117, 7190-7239.	23.0	1,214
739	2-Propanol Dehydration via Extractive Distillation Using a Renewable Glycerol-Choline Chloride Deep Eutectic Solvent: Vapor-Liquid Equilibrium. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 872-877.	1.0	23
740	Thermoplastic starch-polyethylene blends homogenised using deep eutectic solvents. <i>RSC Advances</i> , 2017, 7, 7268-7273.	1.7	32
741	Electrochemical preparation of Ni-La alloys from the EMIC-EG eutectic-based ionic liquid. <i>Ionics</i> , 2017, 23, 1703-1710.	1.2	15
742	Novel biocompatible glucose-based deep eutectic solvent as recyclable medium and promoter for expedient multicomponent green synthesis of diverse three and four substituted pyrazole-4-carbonitrile derivatives. <i>Research on Chemical Intermediates</i> , 2017, 43, 4731-4744.	1.3	12
743	Biodegradable choline-like deep eutectic solvents for extractive desulfurization of fuel. <i>Chemical Engineering and Processing: Process Intensification</i> , 2017, 115, 34-38.	1.8	59
744	Environmentally friendly and non-polluting solvent pretreatment of palm samples for polyphenol analysis using choline chloride deep eutectic solvents. <i>Journal of Chromatography A</i> , 2017, 1492, 1-11.	1.8	38
745	Removal of the neutral oil entrained in deep eutectic solvents using an anti-extraction method. <i>Fuel Processing Technology</i> , 2017, 160, 27-33.	3.7	27
746	Influence of Hierarchical Interfacial Assembly on Lipase Stability and Performance in Deep Eutectic Solvent. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 1907-1914.	2.4	15

#	ARTICLE	IF	CITATIONS
747	Ultrathin Mg-Al layered double hydroxide prepared by ionothermal synthesis in a deep eutectic solvent for highly effective boron removal. <i>Chemical Engineering Journal</i> , 2017, 319, 108-118.	6.6	70
748	Computational solvent system screening for the separation of tocopherols with centrifugal partition chromatography using deep eutectic solvent-based biphasic systems. <i>Journal of Chromatography A</i> , 2017, 1491, 153-158.	1.8	60
749	Bringing Catalysis with Gold Nanoparticles in Green Solvents to Graduate Level Students. <i>Journal of Chemical Education</i> , 2017, 94, 510-514.	1.1	7
750	Deep eutectic solvent magnetic bucky gels in developing dispersive solid phase extraction: Application for ultra trace analysis of organochlorine pesticides by GC-micro ECD using a large-volume injection technique. <i>Talanta</i> , 2017, 168, 73-81.	2.9	111
751	Deep eutectic solvent formation: a structural view using molecular dynamics simulations with classical force fields. <i>Molecular Physics</i> , 2017, 115, 1309-1321.	0.8	72
752	Chemically exfoliating large sheets of phosphorene via choline chloride urea viscosity-tuning. <i>Nanotechnology</i> , 2017, 28, 155601.	1.3	11
754	Highly Simple Deep Eutectic Solvent Extraction of Manganese in Vegetable Samples Prior to Its ICP-OES Analysis. <i>Biological Trace Element Research</i> , 2017, 179, 334-339.	1.9	45
755	Rheological, Thermodynamic, and Gas Solubility Properties of Phenylacetic Acid-Based Deep Eutectic Solvents. <i>Chemical Engineering and Technology</i> , 2017, 40, 778-790.	0.9	35
756	Pretreatment of oil palm trunk in deep eutectic solvent and optimization of enzymatic hydrolysis of pretreated oil palm trunk. <i>Renewable Energy</i> , 2017, 107, 36-41.	4.3	107
757	Studying Two Series of Ternary Deep Eutectic Solvents (Choline Chloride-Urea-Glycerol) and (Choline Chloride-Malic Acid-Glycerol), Synthesis and Characterizations. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 1579-1589.	1.7	41
760	Reviving Pretreatment Effectiveness of Deep Eutectic Solvents on Lignocellulosic Date Palm Residues by Prior Recalcitrance Reduction. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 3167-3174.	1.8	74
761	Fe ₃ O ₄ @SiO ₂ @TiO ₂ -OSO ₃ H: an efficient hierarchical nanocatalyst for the organic quinazolines syntheses. <i>Journal of Porous Materials</i> , 2017, 24, 1481-1496.	1.3	79
762	Solvent-catalyzed umpolung carbonsulfur bond-forming reactions by nucleophilic addition of thiolate and sulfinate ions to in situ-derived nitrosoalkenes in deep eutectic solvents. <i>Comptes Rendus Chimie</i> , 2017, 20, 617-623.	0.2	15
763	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
764	Current status and future challenges in ionic liquids, functionalized ionic liquids and deep eutectic solvent-mediated synthesis of nanostructured TiO ₂ : a review. <i>New Journal of Chemistry</i> , 2017, 41, 2844-2868.	1.4	48
765	Cobalt Electrodeposition from Cobalt Chloride Using Urea and Choline Chloride Ionic Liquid: Effect of Temperature, Applied Voltage, and Cobalt Chloride Concentration on Current Efficiency and Energy Consumption. <i>Minerals, Metals and Materials Series</i> , 2017, , 97-114.	0.3	3
766	Well-Designed Hydrophobic Deep Eutectic Solvents As Green and Efficient Media for the Extraction of Artemisinin from <i>Artemisia annua</i> Leaves. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3270-3278.	3.2	192
767	Deep Eutectic Solvent/Lipase: Two Environmentally Benign and Recyclable Media for Efficient Synthesis of N-Aryl Amines. <i>Catalysis Letters</i> , 2017, 147, 1371-1378.	1.4	14

#	ARTICLE	IF	CITATIONS
768	Crystal structure of Zn(ZnCl ₄) ₂ (Cho) ₂ : the transformation of ions to neutral species in a deep eutectic system. <i>Chemical Communications</i> , 2017, 53, 5449-5452.	2.2	6
769	Measurement and PC-SAFT modeling of solid-liquid equilibrium of deep eutectic solvents of quaternary ammonium chlorides and carboxylic acids. <i>Fluid Phase Equilibria</i> , 2017, 448, 69-80.	1.4	88
770	Modification of Porous Titania Templates for Uniform Metal Electrodeposition from Deep Eutectic Solvent. <i>Journal of the Electrochemical Society</i> , 2017, 164, D335-D341.	1.3	3
771	Shape-controlled electrochemical synthesis of Au nanocrystals in reline: control conditions and electrocatalytic oxidation of ethylene glycol. <i>RSC Advances</i> , 2017, 7, 19694-19700.	1.7	19
772	Application of Deep Eutectic Solvents (DES) for Phenolic Compounds Extraction: Overview, Challenges, and Opportunities. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 3591-3601.	2.4	496
773	Green Processing of Lignocellulosic Biomass and Its Derivatives in Deep Eutectic Solvents. <i>ChemSusChem</i> , 2017, 10, 2696-2706.	3.6	269
774	One-pot sustainable synthesis of tertiary alcohols by combining ruthenium-catalysed isomerisation of allylic alcohols and chemoselective addition of polar organometallic reagents in deep eutectic solvents. <i>Green Chemistry</i> , 2017, 19, 3069-3077.	4.6	63
775	Thermodynamics of phase transfer for polar molecules from alkanes to deep eutectic solvents. <i>Fluid Phase Equilibria</i> , 2017, 448, 99-104.	1.4	55
776	The Effect of Water upon Deep Eutectic Solvent Nanostructure: An Unusual Transition from Ionic Mixture to Aqueous Solution. <i>Angewandte Chemie</i> , 2017, 129, 9914-9917.	1.6	59
777	Ternary phase behavior of phenol-toluene-zwitterionic alkaloids for separating phenols from oil mixtures via forming deep eutectic solvents. <i>Fluid Phase Equilibria</i> , 2017, 448, 116-122.	1.4	14
778	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
779	Computational perspectives on structure, dynamics, gas sorption, and bio-interactions in deep eutectic solvents. <i>Fluid Phase Equilibria</i> , 2017, 448, 50-58.	1.4	29
780	The Effect of Water upon Deep Eutectic Solvent Nanostructure: An Unusual Transition from Ionic Mixture to Aqueous Solution. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9782-9785.	7.2	497
781	Liquid pharmaceuticals formulation by eutectic formation. <i>Fluid Phase Equilibria</i> , 2017, 448, 2-8.	1.4	91
782	Underpotential deposition of silver on gold from deep eutectic electrolytes. <i>Electrochimica Acta</i> , 2017, 237, 127-132.	2.6	19
783	Solvatochromic parameters of deep eutectic solvents formed by ammonium-based salts and carboxylic acids. <i>Fluid Phase Equilibria</i> , 2017, 448, 15-21.	1.4	105
784	Novel supported liquid membranes based on deep eutectic solvents for olefin-paraffin separation via facilitated transport. <i>Journal of Membrane Science</i> , 2017, 536, 123-132.	4.1	81
785	A PEGylated deep eutectic solvent for controllable solvothermal synthesis of porous NiCo ₂ S ₄ for efficient oxygen evolution reaction. <i>Green Chemistry</i> , 2017, 19, 3023-3031.	4.6	143

#	ARTICLE	IF	CITATIONS
786	Solvometallurgy: An Emerging Branch of Extractive Metallurgy. <i>Journal of Sustainable Metallurgy</i> , 2017, 3, 570-600.	1.1	178
787	Aqueous biphasic systems containing PEG-based deep eutectic solvents for high-performance partitioning of RNA. <i>Talanta</i> , 2017, 170, 266-274.	2.9	69
788	Preparation of choline chloride-urea deep eutectic solvent-modified magnetic nanoparticles for synthesis of various 2-amino-pyran derivatives in water solution. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3811.	1.7	22
789	Applications of Liquid/Liquid Biphasic Oxidations by Hydrogen Peroxide with Ionic Liquids or Deep Eutectic Solvents. <i>ChemPlusChem</i> , 2017, 82, 165-176.	1.3	16
790	Carbon Dioxide Capture with Ionic Liquids and Deep Eutectic Solvents: A New Generation of Sorbents. <i>ChemSusChem</i> , 2017, 10, 324-352.	3.6	288
791	Deep eutectic solvents as green media for extraction of flavonoid glycosides and aglycones from <i>Platycladi Cacumen</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 134, 214-219.	1.4	122
792	Applications of deep eutectic solvents in biotechnology and bioengineering—Promises and challenges. <i>Biotechnology Advances</i> , 2017, 35, 105-134.	6.0	361
793	Natural deep eutectic solvents from choline chloride and betaine—Physicochemical properties. <i>Journal of Molecular Liquids</i> , 2017, 241, 654-661.	2.3	194
794	Deep eutectic liquid organic salt as a new solvent for carrier-mediated hollow fiber liquid phase microextraction of lead from whole blood followed by electrothermal atomic absorption spectrometry. <i>New Journal of Chemistry</i> , 2017, 41, 7038-7044.	1.4	32
795	Low melting oxalic acid dihydrate: proline mixture as dual solvent/catalyst for synthesis of spiro[indoline-3,9-xanthen]trione and dibarbiturate derivatives. <i>Journal of Molecular Liquids</i> , 2017, 240, 98-105.	2.3	23
796	Measurement and correlation of physicochemical properties of phosphonium-based deep eutectic solvents at several temperatures (293.15 K–343.15 K) for CO ₂ capture. <i>Journal of Chemical Thermodynamics</i> , 2017, 113, 41-51.	1.0	70
797	Deep Eutectic Solvent: An Efficient Catalyst for C-O Coupling Reactions.. <i>ChemistrySelect</i> , 2017, 2, 4892-4898.	0.7	10
798	Impact of additives on mechanical and barrier properties of starch-based films plasticized with deep eutectic solvents. <i>Starch/Staerke</i> , 2017, 69, 1700030.	1.1	15
799	L-proline-based deep eutectic solvents (DESs) for deep catalytic oxidative desulfurization (ODS) of diesel. <i>Journal of Hazardous Materials</i> , 2017, 339, 216-222.	6.5	118
800	Inelastic neutron scattering study of reline: shedding light on the hydrogen bonding network of deep eutectic solvents. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 17998-18009.	1.3	132
801	Reline aqueous solutions behaving as liquid mixtures of H-bonded co-solvents: microphase segregation and formation of co-continuous structures as indicated by Brillouin and ¹ H NMR spectroscopies. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 17103-17110.	1.3	49
802	Designing eutectic mixtures for the extraction of 2-phenylethanol (PEA) from aqueous phase. <i>Fluid Phase Equilibria</i> , 2017, 447, 84-94.	1.4	11
803	The study on temperature dependence of viscosity and surface tension of several Phosphonium-based deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2017, 241, 500-510.	2.3	102

#	ARTICLE	IF	CITATIONS
804	Facile synthesis of deep eutectic solvent assisted BiOCl/BiVO ₄ @AgNWs plasmonic photocatalysts under visible light enhanced catalytic performance. <i>Catalysis Today</i> , 2017, 297, 246-254.	2.2	28
805	Choline chloride based ionic liquids containing nickel chloride: Physicochemical properties and kinetics of Ni(II) electroreduction. <i>Electrochimica Acta</i> , 2017, 245, 133-145.	2.6	42
806	Study of the pseudo-ternary aqueous two-phase systems of deep eutectic solvent (choline) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 662 To	1.4	67
807	New horizons in the extraction of bioactive compounds using deep eutectic solvents: A review. <i>Analytica Chimica Acta</i> , 2017, 979, 1-23.	2.6	377
808	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
810	Experimental Study of the Solubility of CO ₂ in Novel Amine Based Deep Eutectic Solvents. <i>Energy Procedia</i> , 2017, 105, 1394-1400.	1.8	63
811	Preparation of a superior liquid catalyst by hybridization of three solids of nanoZnO, urea, and choline chloride for Knoevenagel-based reactions. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 2077-2086.	1.2	6
812	Deep eutectic solvents as green media for efficient extraction of terpene trilactones from <i>Ginkgo biloba</i> leaves. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2017, 40, 385-391.	0.5	31
813	Hydrogen Bond Donor/Acceptor Cosolvent-Modified Choline Chloride-Based Deep Eutectic Solvents. <i>Journal of Physical Chemistry B</i> , 2017, 121, 4202-4212.	1.2	96
814	Application of Fischer Indolization under Green Conditions using Deep Eutectic Solvents. <i>Chemical Record</i> , 2017, 17, 1039-1058.	2.9	34
815	Nanofibrillation of deep eutectic solvent-treated paper and board cellulose pulps. <i>Carbohydrate Polymers</i> , 2017, 169, 167-175.	5.1	65
816	Deep eutectic solvents for highly efficient separations in oil and gas industries. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2017, 5, 55-60.	3.2	84
817	DESolution of CD and CB Macrocycles. <i>Chemistry - A European Journal</i> , 2017, 23, 8601-8604.	1.7	26
818	Extraction with environmentally friendly solvents. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 91, 12-25.	5.8	231
819	A Novel Selective Deep Eutectic Solvent Extraction Method for Versatile Determination of Copper in Sediment Samples by ICP-OES. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2017, 99, 264-269.	1.3	32
820	Deep eutectic solvent (DES) as dual solvent/catalyst for synthesis of α,β -diazocarbonyl compounds using aldol-type coupling. <i>Journal of Molecular Liquids</i> , 2017, 234, 129-132.	2.3	21
821	Deep eutectic solvents (DESS)-derived advanced functional materials for energy and environmental applications: challenges, opportunities, and future vision. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8209-8229.	5.2	274
822	Enhanced Solubility of Lignin Monomeric Model Compounds and Technical Lignins in Aqueous Solutions of Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 4056-4065.	3.2	121

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823	Improving Whole-Cell Biocatalysis by Addition of Deep Eutectic Solvents and Natural Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5713-5722.	3.2	126
824	Ternary choline chloride/caffeic acid/ethylene glycol deep eutectic solvent as both a monomer and template in a molecularly imprinted polymer. <i>Journal of Separation Science</i> , 2017, 40, 2286-2291.	1.3	29
825	Electrodeposition behavior and characterization of copper-zinc alloy in deep eutectic solvent. <i>Journal of Applied Electrochemistry</i> , 2017, 47, 679-689.	1.5	27
826	Separation of azeotropic mixtures (ethanol and water) enhanced by deep eutectic solvents. <i>Fluid Phase Equilibria</i> , 2017, 448, 128-134.	1.4	52
827	Towards eco-friendly crop protection: natural deep eutectic solvents and defensive secondary metabolites. <i>Phytochemistry Reviews</i> , 2017, 16, 935-951.	3.1	40
828	Copper underpotential deposition at gold surfaces in contact with a deep eutectic solvent: New insights. <i>Electrochemistry Communications</i> , 2017, 78, 51-55.	2.3	30
829	Pipette-tip solid-phase extraction based on deep eutectic solvent modified graphene for the determination of sulfamerazine in river water. <i>Journal of Separation Science</i> , 2017, 40, 1887-1895.	1.3	57
830	Electrodeposition of indium on copper from deep eutectic solvents based on choline chloride and ethylene glycol. <i>Electrochimica Acta</i> , 2017, 235, 553-560.	2.6	39
831	Monoethanolamine-based deep eutectic solvents, their synthesis and characterization. <i>Fluid Phase Equilibria</i> , 2017, 448, 30-40.	1.4	92
832	Purification of antibiotics from the millet extract using hybrid molecularly imprinted polymers based on deep eutectic solvents. <i>RSC Advances</i> , 2017, 7, 16997-17004.	1.7	32
833	Flow method based on liquid-liquid extraction using deep eutectic solvent for the spectrophotometric determination of procainamide in human saliva. <i>Talanta</i> , 2017, 168, 307-312.	2.9	38
834	Acoustic, volumetric, transport, optical and rheological properties of Benzyltripropylammonium based Deep Eutectic Solvents. <i>Fluid Phase Equilibria</i> , 2017, 448, 41-49.	1.4	58
835	Indirect assessment of the fusion properties of choline chloride from solid-liquid equilibria data. <i>Fluid Phase Equilibria</i> , 2017, 448, 9-14.	1.4	73
836	Ionic liquids and deep eutectic solvents for lignocellulosic biomass fractionation. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 2636-2665.	1.3	217
837	Screening of deep eutectic solvents (DESs) as green CO ₂ sorbents: from solubility to viscosity. <i>New Journal of Chemistry</i> , 2017, 41, 290-301.	1.4	186
838	Improvement of chondroitinases ABCI stability in natural deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2017, 227, 21-25.	2.3	42
839	Useful Mechanisms, Energy Efficiency Benefits, and Challenges of Emerging Innovative Advanced Solvent Based Capture Processes. <i>Green Energy and Technology</i> , 2017, , 69-98.	0.4	1
840	Au ^I Iminophosphorane Complexes as Efficient Catalysts for the Cycloisomerization of Alkynyl Amides under Air, at Room Temperature, and in Aqueous or Eutectic Mixture Solutions. <i>Chemistry - A European Journal</i> , 2017, 23, 3425-3431.	1.7	34

#	ARTICLE	IF	CITATIONS
841	Efficient Cleavage of Ligninâ€™Carbohydrate Complexes and Ultrafast Extraction of Lignin Oligomers from Wood Biomass by Microwaveâ€™Assisted Treatment with Deep Eutectic Solvent. <i>ChemSusChem</i> , 2017, 10, 1692-1700.	3.6	354
842	Association extraction for vitamin E recovery from deodorizer distillate by <i>in situ</i> formation of deep eutectic solvent. <i>AIChE Journal</i> , 2017, 63, 2212-2220.	1.8	43
843	Optimal separation of phenol from model oils by forming deep eutectic solvents with quaternary ammonium salts. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 814-821.	1.2	20
844	Nanostructure, hydrogen bonding and rheology in choline chloride deep eutectic solvents as a function of the hydrogen bond donor. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 3297-3306.	1.3	272
845	Deep eutectic solvent systems for FeCl ₃ -catalyzed oxidative polymerization of 3-octylthiophene. <i>Green Chemistry</i> , 2017, 19, 910-913.	4.6	26
846	Unconventional Deep Eutectic Solvents: Aqueous Salt Hydrates. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 11780-11787.	3.2	45
847	Density, excess and limiting properties of (water and deep eutectic solvent) systems at temperatures from 293.15 K to 343.15 K. <i>Journal of Molecular Liquids</i> , 2017, 248, 378-390.	2.3	49
848	Urea hydrogen bond donor-mediated synthesis of high-index faceted platinum concave nanocubes grown on multi-walled carbon nanotubes and their enhanced electrocatalytic activity. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 31553-31559.	1.3	16
849	Deep eutectic solvent-based liquid phase microextraction for the determination of pharmaceuticals and personal care products in fish oil. <i>New Journal of Chemistry</i> , 2017, 41, 15105-15109.	1.4	12
850	Dispersive liquidâ€™liquid microextraction based on the solidification of deep eutectic solvent for the determination of benzoylureas in environmental water samples. <i>Journal of Separation Science</i> , 2017, 40, 4563-4570.	1.3	39
851	Characterization and Modeling of the Liquid Phase of Deep Eutectic Solvents Based on Fatty Acids/Alcohols and Choline Chloride. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 12192-12202.	1.8	57
852	Synthesis of Metal Sulfides from a Deep Eutectic Solvent Precursor (DESP). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 1913-1919.	0.6	19
853	Experimental and prediction of volumetric properties of aqueous solution of (allyltriphenylphosphonium bromideâ€™Triethylene glycol) deep eutectic solvents. <i>Thermochimica Acta</i> , 2017, 657, 123-133.	1.2	24
854	Multicomponent Mannich reactions: General aspects, methodologies and applications. <i>Tetrahedron</i> , 2017, 73, 6977-7004.	1.0	102
855	Deep eutectic solvent based magnetic nanofluid in the development of stir bar sorptive dispersive microextraction: An efficient hyphenated sample preparation for ultraâ€™trace nitroaromatic explosives extraction in wastewater. <i>Journal of Separation Science</i> , 2017, 40, 4757-4764.	1.3	43
856	A strategy in deep eutectic solvents for carbon nanotube-supported PtCo nanocatalysts with enhanced performance toward methanol electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 26744-26751.	3.8	73
857	Application of novel ternary deep eutectic solvents as a functional monomer in molecularly imprinted polymers for purification of levofloxacin. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1068-1069, 56-63.	1.2	16
858	A Molecular Simulation Study of Carbon Dioxide Uptake by a Deep Eutectic Solvent Confined in Slit Nanopores. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24562-24575.	1.5	35

#	ARTICLE	IF	CITATIONS
859	Green aqueous biphasic systems containing deep eutectic solvents and sodium salts for the extraction of protein. <i>RSC Advances</i> , 2017, 7, 49361-49367.	1.7	53
860	Synthesis, molecular docking, DFT calculations and cytotoxicity activity of benzo[g]quinazoline derivatives in choline chloride-urea. <i>Journal of Molecular Structure</i> , 2017, 1150, 88-95.	1.8	18
861	Thermophysical Properties and Solubility of Different Sugar-Derived Molecules in Deep Eutectic Solvents. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 3633-3641.	1.0	44
862	Aggregation of Carbocyanine Dyes in Choline Chloride-Based Deep Eutectic Solvents in the Presence of an Aqueous Base. <i>Langmuir</i> , 2017, 33, 9781-9792.	1.6	8
863	On Wetting Angles and Nucleation Energies during the Electrochemical Nucleation of Cobalt onto Glassy Carbon from a Deep Eutectic Solvent. <i>Journal of the Electrochemical Society</i> , 2017, 164, D694-D699.	1.3	31
864	CO ₂ capture with the help of Phosphonium-based deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2017, 243, 564-571.	2.3	101
865	Computational Evaluation of Mixtures of Hydrofluorocarbons and Deep Eutectic Solvents for Absorption Refrigeration Systems. <i>Langmuir</i> , 2017, 33, 11611-11625.	1.6	25
866	Liquid Liquid Equilibria measurements for the extraction of poly aromatic nitrogen hydrocarbons with a low cost Deep Eutectic Solvent: Experimental and theoretical insights. <i>Journal of Molecular Liquids</i> , 2017, 243, 542-552.	2.3	38
867	Novel Green Solvents for CO ₂ Capture. <i>Energy Procedia</i> , 2017, 114, 2552-2560.	1.8	37
868	The effect of deep eutectic solvent on the pharmacokinetics of salvianolic acid B in rats and its acute toxicity test. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1063, 60-66.	1.2	34
869	Group IIIA Halometallate Ionic Liquids: Speciation and Applications in Catalysis. <i>ACS Catalysis</i> , 2017, 7, 7014-7028.	5.5	61
870	Is It Possible To Create Ternary-like Aqueous Biphasic Systems with Deep Eutectic Solvents?. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9402-9411.	3.2	58
871	Gas Solubility and Rheological Behavior of Natural Deep Eutectic Solvents (NADES) via Combined Experimental and Molecular Simulation Techniques. <i>ChemistrySelect</i> , 2017, 2, 7278-7295.	0.7	49
872	Physicochemical transformation of rice straw after pretreatment with a deep eutectic solvent of choline chloride/urea. <i>Carbohydrate Polymers</i> , 2017, 176, 307-314.	5.1	99
873	Multicomponent domino reactions in deep eutectic solvent: An efficient strategy to synthesize multisubstituted cyclohexa-1,3-dienamines. <i>Journal of Molecular Liquids</i> , 2017, 246, 221-224.	2.3	47
874	Practical preparation of mono- and di- <i>O</i> -isopropylidene derivatives of monosaccharides and methyl 4,6- <i>O</i> -benzylidene glycosides from free sugars in a deep eutectic solvent. <i>Journal of Carbohydrate Chemistry</i> , 2017, 36, 20-30.	0.4	6
875	Enhanced Properties of Co-Sn Coatings Electrodeposited from Choline Chloride-Based Deep Eutectic Solvents. <i>Crystal Growth and Design</i> , 2017, 17, 5208-5215.	1.4	8
876	Carbohydrates-based deep eutectic solvents: Thermophysical properties and rice straw dissolution. <i>Journal of Molecular Liquids</i> , 2017, 247, 441-447.	2.3	83

#	ARTICLE	IF	CITATIONS
877	Voltammetric and spectroscopic study of ferrocene and hexacyanoferrate and the suitability of their redox couples as internal standards in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 28841-28852.	1.3	39
878	Deep-Eutectic Solvents Derived Nitrogen-Doped Graphitic Carbon as a Superior Electrocatalyst for Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32737-32744.	4.0	35
879	Synthesis-Free Phase-Selective Gelator for Oil-Spill Remediation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 33549-33553.	4.0	39
880	Lubrication studies of some type III deep eutectic solvents (DESs). <i>AIP Conference Proceedings</i> , 2017, , .	0.3	9
881	Simulation and experiment for ethanol dehydration using low transition temperature mixtures (LTTMs) as entrainers. <i>Chemical Engineering and Processing: Process Intensification</i> , 2017, 121, 71-80.	1.8	28
882	Deep Eutectic Solvent: An Efficient and Recyclable Catalyst for Synthesis of Thioethers.. <i>ChemistrySelect</i> , 2017, 2, 7645-7650.	0.7	15
883	Application of deep eutectic solvents as catalysts for the esterification of oleic acid with glycerol. <i>Renewable Energy</i> , 2017, 114, 480-488.	4.3	60
884	Epoxidation of Soybean Oil Catalyzed by Deep Eutectic Solvents Based on the Choline Chlorideâ€“Carboxylic Acid Bifunctional Catalytic System. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 8224-8234.	1.8	31
885	Solubility, volumetric and compressibility properties of acetaminophen in some aqueous solutions of choline based deep eutectic solvents at T = (288.15 to 318.15) K. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 109, 121-130.	1.9	39
886	Small angle neutron scattering study of the conformation of poly(ethylene oxide) dissolved in deep eutectic solvents. <i>Journal of Colloid and Interface Science</i> , 2017, 506, 486-492.	5.0	22
887	Patternable transparent and conductive elastomers towards flexible tactile/strain sensors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8475-8481.	2.7	90
888	Low transition temperature mixtures prompted one-pot synthesis of 5, 10 dihydropyrimido[4,5-b]quinoline-2,4(1H,3H)-dione derivatives. <i>Research on Chemical Intermediates</i> , 2017, 43, 7013-7028.	1.3	13
889	Pressure-induced amorphization and crystallization of Choline chloride/Ethylene glycol deep eutectic solvent. <i>Journal of Molecular Liquids</i> , 2017, 242, 109-114.	2.3	9
890	Electrochemical and Transport Characteristics of V(II)/V(III) Redox Couple in a Nonaqueous Deep Eutectic Solvent: Temperature Effect. <i>Journal of Energy Engineering - ASCE</i> , 2017, 143, .	1.0	10
891	Chemically Crossâ€“Linked Poly(2â€“hydroxyethyl methacrylate)â€“Supported Deep Eutectic Solvent Gel Electrolytes for Ecoâ€“Friendly Supercapacitors. <i>ChemElectroChem</i> , 2017, 4, 2556-2562.	1.7	74
892	Predicting the suitability of aqueous solutions of deep eutectic solvents for preparation of co-continuous porous carbons via spinodal decomposition processes. <i>Carbon</i> , 2017, 123, 536-547.	5.4	29
893	Effects of Glycine in DES-Based Plating Baths on Structural and Magnetic Properties of Feâ€“Ni Films. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4.	1.2	4
894	Design of celluloseâ€“alginate films using PEG/NaOH aqueous solution as co-solvent. <i>Cellulose</i> , 2017, 24, 4419-4431.	2.4	8

#	ARTICLE	IF	CITATIONS
895	Separation of Thiophene from Aliphatic Hydrocarbons Using Tetrahexylammonium-Based Deep Eutectic Solvents as Extracting Agents. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 2911-2919.	1.0	43
896	Choline chloride (ChCl) and monosodium glutamate (MSG)-based green solvents from optimized cactus malic acid for biomass delignification. <i>Bioresource Technology</i> , 2017, 244, 941-948.	4.8	27
897	Thermophysical characterization of aqueous deep eutectic solvent (choline chloride/urea) solutions in full ranges of concentration at T= (293.15â€“323.15) K. <i>Journal of Molecular Liquids</i> , 2017, 243, 451-461.	2.3	99
898	Specific Heat Capacities of Two Functional Ionic Liquids and Two Functional Deep Eutectic Solvents for the Absorption of SO ₂ . <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 2708-2712.	1.0	23
899	Integrated and sustainable separation of chlorogenic acid from blueberry leaves by deep eutectic solvents coupled with aqueous two-phase system. <i>Food and Bioproducts Processing</i> , 2017, 105, 205-214.	1.8	42
900	Highly Efficient Separation of Phenolic Compounds from Oil Mixtures by Imidazolium-Based Dicationic Ionic Liquids via Forming Deep Eutectic Solvents. <i>Energy & Fuels</i> , 2017, 31, 10274-10282.	2.5	48
901	A Novel Supported Liquid Membrane Based on Binary Metal Chloride Deep Eutectic Solvents for Ethylene/Ethane Separation. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 15153-15162.	1.8	32
902	Bulk and interfacial structures of reline deep eutectic solvent: A molecular dynamics study. <i>Journal of Chemical Physics</i> , 2017, 147, 194507.	1.2	90
903	Surfactantâ€™Solvent Interaction Effects on the Micellization of Cationic Surfactants in a Carboxylic Acid-Based Deep Eutectic Solvent. <i>Langmuir</i> , 2017, 33, 14304-14314.	1.6	56
904	Synthesis of cyclic carbonates from CO ₂ and propylene oxide (PO) with deep eutectic solvents (DESs) based on amino acids (AAs) and dicarboxylic acids. <i>Journal of CO₂ Utilization</i> , 2017, 22, 400-406.	3.3	41
905	Ammonium based stabilizers effectively counteract urea-induced denaturation in a small protein: insights from molecular dynamics simulations. <i>RSC Advances</i> , 2017, 7, 52888-52906.	1.7	24
906	Temperature-Dependent Empirical Parameters for Polarity in Choline Chloride Based Deep Eutectic Solvents. <i>Journal of Physical Chemistry B</i> , 2017, 121, 11356-11366.	1.2	30
907	Proton-Coupled Electron Transfer and Substituent Effects in Catechol-Based Deep Eutectic Solvents: Gross and Fine Tuning of Redox Activity. <i>Journal of Physical Chemistry B</i> , 2017, 121, 10974-10978.	1.2	5
908	Frontal Polymerization of Deep Eutectic Solvents Composed of Acrylic and Methacrylic Acids. <i>Journal of Polymer Science Part A</i> , 2017, 55, 4046-4050.	2.5	34
909	Solute Rotation and Translation Dynamics in an Ionic Deep Eutectic Solvent Based on Choline Chloride. <i>Journal of Physical Chemistry B</i> , 2017, 121, 10556-10565.	1.2	47
910	Specific recognition of polyphenols by molecularly imprinted polymers based on a ternary deep eutectic solvent. <i>Journal of Chromatography A</i> , 2017, 1530, 23-34.	1.8	57
911	A one-pot, copper-catalyzed azidation/click reaction of aryl and heteroaryl bromides in an environmentally friendly deep eutectic solvent. <i>Tetrahedron</i> , 2017, 73, 7024-7029.	1.0	28
912	Effect of Deep Eutectic Solvent Nanostructure on Phospholipid Bilayer Phases. <i>Langmuir</i> , 2017, 33, 6878-6884.	1.6	43

#	ARTICLE	IF	CITATIONS
913	Selective Extraction of Collagen Peptides with High Purity from Cod Skins by Deep Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2017, 5, 7220-7227.	3.2	107
914	Silver-Based Deep Eutectic Solvents as Separation Media: Supported Liquid Membranes for Facilitated Olefin Transport. ACS Sustainable Chemistry and Engineering, 2017, 5, 6873-6882.	3.2	50
915	Efficient separation of phenol from model oils using environmentally benign quaternary ammonium-based zwitterions via forming deep eutectic solvents. Chemical Engineering Journal, 2017, 326, 620-626.	6.6	71
916	Seeds and Potentials Mediated Synthesis of High-Index Faceted Gold Nanocrystals with Enhanced Electrocatalytic Activities. Langmuir, 2017, 33, 6991-6998.	1.6	30
917	Separation of Polysaccharides by SEC Utilizing Deep Eutectic Solvent Modified Mesoporous Siliceous Materials. Chromatographia, 2017, 80, 1161-1169.	0.7	21
918	Beechwood carbohydrates for enzymatic synthesis of sustainable glycolipids. Bioresources and Bioprocessing, 2017, 4, 25.	2.0	34
919	The use of alternative solvents in enzymatic biodiesel production: a review. Biofuels, Bioproducts and Biorefining, 2017, 11, 168-194.	1.9	42
920	Deep eutectic solvent immobilized on SBA-15 as a novel separable catalyst for one-pot three-component Mannich reaction. Microporous and Mesoporous Materials, 2017, 240, 130-136.	2.2	33
921	Sustainable and chemoselective N-Boc protection of amines in biodegradable deep eutectic solvent. Monatshefte für Chemie, 2017, 148, 1069-1074.	0.9	12
922	Mass transfer dynamics in the separation of phenol from model oil with quaternary ammonium salts via forming deep eutectic solvents. Separation and Purification Technology, 2017, 174, 554-560.	3.9	24
923	Choline chloride based thiourea catalyzed highly efficient, eco-friendly synthesis and anti-bacterial evaluation of some new 6-amino-4-aryl-2,4-dihydro-3-phenyl pyrano [2,3-c] pyrazole-5-carbonitrile derivatives. Research on Chemical Intermediates, 2017, 43, 3035-3051.	1.3	20
924	Efficient absorption of SO ₂ with low-partial pressures by environmentally benign functional deep eutectic solvents. Journal of Hazardous Materials, 2017, 324, 457-463.	6.5	128
925	Air assisted emulsification liquid-liquid microextraction based on deep eutectic solvent for preconcentration of methadone in water and biological samples. Talanta, 2017, 165, 176-181.	2.9	105
926	Evaluating ternary deep eutectic solvents as novel media for extraction of flavonoids from <i>Ginkgo biloba</i> . Separation Science and Technology, 2017, 52, 91-99.	1.3	33
927	One-step and low-temperature synthesis of monetite nanoparticles in an all-in-one system (reactant,). Tj ETQq0 0 0 rgBT /Overlock 10 Tf International, 2017, 43, 2046-2050.	2.3	23
928	Improving the production of propyl and butyl ester-based biodiesel by purification using deep eutectic solvents. Separation and Purification Technology, 2017, 174, 570-576.	3.9	43
929	Phenylpropanoic acid-based DESs as efficient extractants and catalysts for the removal of sulfur compounds from oil. Fuel, 2017, 189, 400-407.	3.4	48
930	Physicochemical properties of ionic liquid mixtures containing choline chloride, chromium (III) chloride and water: effects of temperature and water content. Ionics, 2017, 23, 637-643.	1.2	34

#	ARTICLE	IF	CITATIONS
931	A functional natural deep eutectic solvent based on trehalose: Structural and physicochemical properties. <i>Food Chemistry</i> , 2017, 217, 560-567.	4.2	99
932	Dye-Sensitized Solar Cells that use an Aqueous Choline Chloride-Based Deep Eutectic Solvent as Effective Electrolyte Solution. <i>Energy Technology</i> , 2017, 5, 345-353.	1.8	80
933	The E factor 25 years on: the rise of green chemistry and sustainability. <i>Green Chemistry</i> , 2017, 19, 18-43.	4.6	912
934	Optimization of deep eutectic solvent-based ultrasound-assisted extraction of polysaccharides from <i>Dioscorea opposita</i> Thunb. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 675-681.	3.6	148
935	One-pot and green synthesis of Mn ₃ O ₄ nanoparticles using an all-in-one system (solvent, reactant and) Tj ETQq0 0,0,rgBT /Overlock 10	2.8	36
936	The effect of deep eutectic solvents on catalytic function and structure of bovine liver catalase. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 115-120.	3.6	53
937	Experimental determination of the LLE data of systems consisting of {hexane + benzene + deep eutectic solvent} and prediction using the Conductor-like Screening Model for Real Solvents. <i>Journal of Chemical Thermodynamics</i> , 2017, 104, 128-137.	1.0	48
938	Evaluation and comparison of aqueous ChCl/Urea and other physical absorbents for biogas upgrading process. <i>Energy Procedia</i> , 2017, 142, 3631-3636.	1.8	2
939	Determination of Trace Rhodamine B in Chili Oil by Deep Eutectic Solvent Extraction and an Ultra High-Performance Liquid Chromatograph Equipped with a Fluorescence Detector. <i>Analytical Sciences</i> , 2017, 33, 715-717.	0.8	27
940	An Alternative Method for Solar Cell Integration. , 2017, , .		0
941	Electrodeposition of Zn, Cu, and Zn-Cu Alloys from Deep Eutectic Solvents. , 2017, , .		1
942	Ionic Liquids and Neutron Scattering. <i>Experimental Methods in the Physical Sciences</i> , 2017, 49, 213-278.	0.1	7
943	Highly Efficient Enzymatic Preparation of Daidzein in Deep Eutectic Solvents. <i>Molecules</i> , 2017, 22, 186.	1.7	23
944	Deep Eutectic Solvents (DESs) for the Isolation of Willow Lignin (<i>Salix matsudana</i> cv. Zhuliu). <i>International Journal of Molecular Sciences</i> , 2017, 18, 2266.	1.8	99
945	Study of Superbase-Based Deep Eutectic Solvents as the Catalyst in the Chemical Fixation of CO ₂ into Cyclic Carbonates under Mild Conditions. <i>Materials</i> , 2017, 10, 759.	1.3	24
946	Deep Eutectic Solvents as Novel and Effective Extraction Media for Quantitative Determination of Ochratoxin A in Wheat and Derived Products. <i>Molecules</i> , 2017, 22, 121.	1.7	35
947	Catalytic Conversion of Carbohydrates to Furanic Derivatives in the Presence of Choline Chloride. <i>Catalysts</i> , 2017, 7, 218.	1.6	18
948	Silicate-Promoted Phosphorylation of Glycerol in Non-Aqueous Solvents: A Prebiotically Plausible Route to Organophosphates. <i>Life</i> , 2017, 7, 29.	1.1	25

#	ARTICLE	IF	CITATIONS
949	Efficient synthesis of a novel series of indeno-fused pyrido[2,3-d]pyrimidines using a deep eutectic solvent system comprised of choline chloride/urea. <i>Journal of Chemical Research</i> , 2017, 41, 430-433.	0.6	1
950	Solid phase microextraction with poly(deep eutectic solvent) monolithic column online coupled to HPLC for determination of non-steroidal anti-inflammatory drugs. <i>Analytica Chimica Acta</i> , 2018, 1018, 111-118.	2.6	109
951	Enhanced extraction of phenolic compounds using choline chloride based deep eutectic solvents from <i>Juglans regia</i> L.. <i>Industrial Crops and Products</i> , 2018, 115, 261-271.	2.5	100
952	Physicochemical properties of alkanolamine-choline chloride deep eutectic solvents: Measurements, group contribution and artificial intelligence prediction techniques. <i>Journal of Molecular Liquids</i> , 2018, 256, 581-590.	2.3	71
953	Volumetric and acoustic behaviour of myo-inositol in aqueous Natural Deep Eutectic Solvent solutions. <i>Journal of Molecular Liquids</i> , 2018, 258, 106-113.	2.3	7
954	Natural Deep Eutectic Solvents: Properties, Applications, and Perspectives. <i>Journal of Natural Products</i> , 2018, 81, 679-690.	1.5	719
955	A simple and green deep eutectic solvent based air assisted liquid phase microextraction for separation, preconcentration and determination of lead in water and food samples by graphite furnace atomic absorption spectrometry. <i>Journal of Molecular Liquids</i> , 2018, 259, 220-226.	2.3	81
956	Temperature-controlled liquid-liquid microextraction combined with high-performance liquid chromatography for the simultaneous determination of diazinon and fenitrothion in water and fruit juice samples. <i>Journal of Separation Science</i> , 2018, 41, 2411-2418.	1.3	23
957	Redox fusion of metal particles using deep eutectic solvents. <i>Chemical Communications</i> , 2018, 54, 3049-3052.	2.2	9
958	A comparison of choline:urea and choline:oxalic acid deep eutectic solvents at 338 K. <i>Journal of Chemical Physics</i> , 2018, 148, 193823.	1.2	48
959	Industrial uses and applications of ionic liquids. <i>ChemistrySelect</i> , 2018, 3, .	0.7	18
960	Volumetric properties of solutions of choline chloride+glycerol deep eutectic solvent with water, methanol, ethanol, or iso-propanol. <i>Journal of Molecular Liquids</i> , 2018, 254, 272-279.	2.3	56
961	Facile covalent functionalization of carbon nanotubes via Diels-Alder reaction in deep eutectic solvents. <i>Applied Surface Science</i> , 2018, 450, 122-129.	3.1	18
962	Densities and volumetric properties of (choline chloride+urea) deep eutectic solvent and methanol mixtures in the temperature range of 293.15-323.15 K. <i>Journal of Chemical Thermodynamics</i> , 2018, 124, 10-20.	1.0	59
963	Effect of Ethylene, Diethylene, and Triethylene Glycols and Glycerol on the Physicochemical Properties and Phase Behavior of Benzyltrimethyl and Benzyltributylammonium Chloride Based Deep Eutectic Solvents at 283.15-343.15 K. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 2613-2627.	1.0	57
964	Thermodynamic properties of deep eutectic solvent and ionic liquid mixtures at temperatures from 293.15 K to 343.15 K. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	4
965	Corrosion of metal electrodes in deep eutectic solvents. <i>Electrochemistry Communications</i> , 2018, 90, 101-105.	2.3	32
966	Environmentally Benign Deep Eutectic Solvent for Synthesis of 1,3-Thiazolidinones. <i>ChemistrySelect</i> , 2018, 3, 3611-3614.	0.7	13

#	ARTICLE	IF	CITATIONS
967	Nanostructured faceted ceria as oxidation catalyst. <i>Current Opinion in Chemical Engineering</i> , 2018, 20, 99-106.	3.8	31
968	The use of ionic liquids as additive to stabilize surfactant foam for mobility control application. <i>Journal of Petroleum Science and Engineering</i> , 2018, 167, 192-201.	2.1	33
969	Photophysics of Thioflavin T in deep eutectic solvents. <i>Journal of Luminescence</i> , 2018, 198, 508-516.	1.5	9
970	Thermodynamics investigation of phase behavior of deep eutectic solvents-polymer aqueous biphasic systems. <i>Polymer</i> , 2018, 143, 115-128.	1.8	24
971	Phase behaviours of a cationic surfactant in deep eutectic solvents: from micelles to lyotropic liquid crystals. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 12175-12181.	1.3	23
972	Effectiveness of using deep eutectic solvents as an alternative to conventional solvents in enzymatic biodiesel production from waste oils. <i>Energy Reports</i> , 2018, 4, 77-83.	2.5	62
973	Surface Sensitive Nickel Electrodeposition in Deep Eutectic Solvent. <i>ACS Applied Energy Materials</i> , 2018, 1, 1016-1028.	2.5	38
974	Experimental determination and correlation of acetaminophen solubility in aqueous solutions of choline chloride based deep eutectic solvents at various temperatures. <i>Fluid Phase Equilibria</i> , 2018, 462, 100-110.	1.4	61
975	Measurements of activity coefficient at infinite dilution for organic solutes in tetramethylammonium chloride+ ethylene glycol deep eutectic solvent using gas-liquid chromatography. <i>Fluid Phase Equilibria</i> , 2018, 462, 31-37.	1.4	34
976	Effect of water concentration on the microstructures of choline chloride/urea (1:2) /water mixture. <i>Fluid Phase Equilibria</i> , 2018, 470, 134-139.	1.4	37
977	Electrodeposition of manganese thin films on a rotating disk electrode from choline chloride/urea based ionic liquids. <i>Electrochimica Acta</i> , 2018, 266, 185-192.	2.6	23
978	Electrodeposition of zinc from low transition temperature mixture formed by choline chloride+ lactic acid. <i>Materials Today Communications</i> , 2018, 14, 249-253.	0.9	17
979	Eutectic mixture-functionalized carbon nanomaterials for selective amperometric detection of nitrite using modified glassy carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2018, 812, 107-114.	1.9	15
980	Isomeric distribution of monosaccharides in deep eutectic solvents: NMR study. <i>Journal of Molecular Liquids</i> , 2018, 255, 244-249.	2.3	14
981	Phase change materials in microactuators: Basics, applications and perspectives. <i>Sensors and Actuators A: Physical</i> , 2018, 271, 303-347.	2.0	43
982	Synthesis and application of amino acid ionic liquid-based deep eutectic solvents for oil-carbonate mineral separation. <i>Chemical Engineering Science</i> , 2018, 181, 264-271.	1.9	26
983	Cyclodextrin-Functionalized Fiber Yarns Spun from Deep Eutectic Cellulose Solutions for Nonspecific Hormone Capture in Aqueous Matrices. <i>Biomacromolecules</i> , 2018, 19, 652-661.	2.6	19
984	Preparation of magnetic molecularly imprinted polymers based on a deep eutectic solvent as the functional monomer for specific recognition of lysozyme. <i>Mikrochimica Acta</i> , 2018, 185, 146.	2.5	64

#	ARTICLE	IF	CITATIONS
985	Liquid-Liquid Equilibria for Binary Azeotrope Mixtures of Benzene and Alcohols Using Choline Chloride-Based Deep Eutectic Solvents. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 613-624.	1.0	23
986	Ionic liquids and derived materials for lithium and sodium batteries. <i>Chemical Society Reviews</i> , 2018, 47, 2020-2064.	18.7	452
987	Glycerol Hydrogen-Bonding Network Dominates Structure and Collective Dynamics in a Deep Eutectic Solvent. <i>Journal of Physical Chemistry B</i> , 2018, 122, 1261-1267.	1.2	106
988	An overview of progress in electrolytes for secondary zinc-air batteries and other storage systems based on zinc. <i>Journal of Energy Storage</i> , 2018, 15, 304-328.	3.9	290
989	Deep Eutectic Solvent-Assisted Preparation of Nitrogen/Chloride-Doped Carbon Dots for Intracellular Biological Sensing and Live Cell Imaging. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 7901-7909.	4.0	91
990	Lipase catalysed biodiesel synthesis with integrated glycerol separation in continuously operated microchips connected in series. <i>New Biotechnology</i> , 2018, 47, 80-88.	2.4	27
991	Effect of primary amines on magnetic properties of Fe-Ni films electroplated in a DES-based plating bath. <i>AIP Advances</i> , 2018, 8, 056106.	0.6	5
992	Choline chloride based eutectic solvent for the efficient synthesis of 2-amino-4-chromen-4-yl phosphonate derivatives via multicomponent reaction under mild conditions. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2018, 193, 306-316.	0.8	9
993	Evidence of Molecular Heterogeneities in Amide-Based Deep Eutectic Solvents. <i>Journal of Physical Chemistry A</i> , 2018, 122, 1185-1193.	1.1	42
994	Aqueous biphasic systems formed by deep eutectic solvent and new-type salts for the high-performance extraction of pigments. <i>Talanta</i> , 2018, 181, 210-216.	2.9	42
995	Eutectogels: A New Class of Solid Composite Electrolytes for Li/Li-Ion Batteries. <i>Chemistry of Materials</i> , 2018, 30, 655-662.	3.2	91
996	Recent advances in green reagents for molecularly imprinted polymers. <i>RSC Advances</i> , 2018, 8, 311-327.	1.7	39
997	Air-Assisted dispersive liquid-liquid microextraction based on a new hydrophobic deep eutectic solvent for the preconcentration of benzophenone-type UV filters from aqueous samples. <i>Journal of Separation Science</i> , 2018, 41, 1635-1643.	1.3	96
998	Efficient Synthesis of N-Acylureas Using Copper Oxide Supported on Magnetic Nanoparticles in Deep Eutectic Solvent. <i>ChemistrySelect</i> , 2018, 3, 77-80.	0.7	8
999	Prospect of ionic liquids and deep eutectic solvents as new generation draw solution in forward osmosis process. <i>Journal of Water Process Engineering</i> , 2018, 21, 163-176.	2.6	64
1000	Relationship between lignocellulosic biomass dissolution and physicochemical properties of ionic liquids composed of 3-methylimidazolium cations and carboxylate anions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 2508-2516.	1.3	51
1001	Deep Eutectic Solvents formed by chiral components as chiral reaction media and studies of their structural properties. <i>Journal of Molecular Liquids</i> , 2018, 262, 285-294.	2.3	36
1002	Deep eutectic solvent as an efficient molecular liquid for lignin solubilization and wood delignification. <i>Journal of Molecular Liquids</i> , 2018, 263, 193-199.	2.3	122

#	ARTICLE	IF	CITATIONS
1003	Deep eutectic solvents-assisted cost-effective synthesis of nitrogen-doped hierarchical porous carbon xerogels from phenol-formaldehyde by two-stage polymerization. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 86, 795-806.	1.1	9
1004	Extraction of Spruce Lignin with a Deep Eutectic Solvent in Dependence of the Particle Size. <i>Chemie-Ingenieur-Technik</i> , 2018, 90, 507-512.	0.4	2
1005	Unusual Temperature Dependence of Nanoscale Structural Organization in Deep Eutectic Solvents. <i>Journal of Physical Chemistry B</i> , 2018, 122, 5242-5250.	1.2	36
1006	Effect of coordinated water of hexahydrate on nickel platings from cholineâ€“urea ionic liquid. <i>Journal of Materials Science</i> , 2018, 53, 10758-10771.	1.7	15
1007	Some aspects of green solvents. <i>Comptes Rendus Chimie</i> , 2018, 21, 572-580.	0.2	138
1008	Ionic liquids: a brief history. <i>Biophysical Reviews</i> , 2018, 10, 691-706.	1.5	658
1009	Oil desulfurization using deep eutectic solvents as sustainable and economical extractants via liquid-liquid extraction: Experimental and PC-SAFT predictions. <i>Fluid Phase Equilibria</i> , 2018, 467, 33-44.	1.4	43
1010	Fabrication of RGO-NiCo ₂ O ₄ nanorods composite from deep eutectic solvents for nonenzymatic amperometric sensing of glucose. <i>Talanta</i> , 2018, 185, 335-343.	2.9	38
1011	Effect of the Type of Ammonium Salt on the Extractive Desulfurization of Fuels Using Deep Eutectic Solvents. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 1088-1095.	1.0	35
1012	Carbon Dioxide Solubilities in Decanoic Acid-Based Hydrophobic Deep Eutectic Solvents. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 913-919.	1.0	131
1013	Microfluidic Chemiluminescence System with Yeast <i>Saccharomyces cerevisiae</i> for Rapid Biochemical Oxygen Demand Measurement. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6094-6101.	3.2	19
1014	The effect of water on the physicochemical properties of an ethylene glycol and choline chloride mixture containing Cu ²⁺ ions: electrochemical results and dynamic molecular simulation approach. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 9321-9327.	1.3	16
1015	NO ₂ Solvation Structure in Choline Chloride Deep Eutectic Solventsâ€”The Role of the Hydrogen Bond Donor. <i>Journal of Physical Chemistry B</i> , 2018, 122, 4336-4344.	1.2	36
1016	Enhanced Vitamin E Extraction Selectivity from Deodorizer Distillate by a Biphasic System: A COSMO-RS and Experimental Study. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5547-5554.	3.2	29
1017	Quantum Chemical Evaluation of Deep Eutectic Solvents for the Extractive Desulfurization of Fuel. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7525-7531.	3.2	69
1018	Urea decomposition: Efficient synthesis of pyrroles using the deep eutectic solvent choline chloride/urea. <i>Tetrahedron Letters</i> , 2018, 59, 1698-1701.	0.7	17
1019	Thermal stability of choline chloride deep eutectic solvents by TGA/FTIR-ATR analysis. <i>Journal of Molecular Liquids</i> , 2018, 260, 37-43.	2.3	298
1020	New perspective in extraction of plant biologically active compounds by green solvents. <i>Food and Bioproducts Processing</i> , 2018, 109, 52-73.	1.8	264

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1021	Modeling, simulation and evaluation of biogas upgrading using aqueous choline chloride/urea. <i>Applied Energy</i> , 2018, 229, 1269-1283.	5.1	40
1022	Mesoporous silica SBA-15 functionalized with acidic deep eutectic solvent: A highly active heterogeneous N-formylation catalyst under solvent-free conditions. <i>Applied Organometallic Chemistry</i> , 2018, 32, e3901.	1.7	21
1023	Activity, stability and structure of laccase in betaine based natural deep eutectic solvents. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 2574-2579.	3.6	112
1024	Gas solubilities in deep eutectic solvents. <i>Monatshefte für Chemie</i> , 2018, 149, 211-217.	0.9	33
1025	Hydrogen bonding improved atom transfer radical polymerization of methyl methacrylate with a glycerol/1,3-dimethyl-2-imidazolidinone green system. <i>Journal of Polymer Science Part A</i> , 2018, 56, 282-289.	2.5	7
1026	Deep eutectic solvents: designer fluids for chemical processes. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 945-958.	1.6	103
1027	Liquid-liquid microextraction of synthetic pigments in beverages using a hydrophobic deep eutectic solvent. <i>Food Chemistry</i> , 2018, 243, 351-356.	4.2	131
1028	Magnetic Ugi-functionalized graphene oxide complexed with copper nanoparticles: Efficient catalyst toward Ullman coupling reaction in deep eutectic solvents. <i>Journal of Colloid and Interface Science</i> , 2018, 510, 384-394.	5.0	77
1029	Recent advances on ionic liquid uses in separation techniques. <i>Journal of Chromatography A</i> , 2018, 1559, 2-16.	1.8	233
1030	Preparation and Application of Porous Materials based on Deep Eutectic Solvents. <i>Critical Reviews in Analytical Chemistry</i> , 2018, 48, 73-85.	1.8	41
1031	Novel generation of deep eutectic solvent as an acceptor phase in three-phase hollow fiber liquid phase microextraction for extraction and preconcentration of steroidal hormones from biological fluids. <i>Talanta</i> , 2018, 178, 473-480.	2.9	85
1032	Ionic liquids as a potential additive for reducing surfactant adsorption onto crushed Berea sandstone. <i>Journal of Petroleum Science and Engineering</i> , 2018, 162, 480-490.	2.1	76
1033	Thermophysical properties of glycerol and polyethylene glycol (PEG 600) based DES. <i>Journal of Molecular Liquids</i> , 2018, 252, 439-444.	2.3	59
1034	Optimization of the chromatographic behaviors of quercetin using choline chloride-based deep eutectic solvents as HPLC mobile-phase additives. <i>Separation Science and Technology</i> , 2018, 53, 397-403.	1.3	21
1035	Modeling the Phase Behavior of Carbon Dioxide Solubility in Deep Eutectic Solvents with the Cubic Plus Association Equation of State. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 897-906.	1.0	33
1036	Production of cellulose carbamate using urea-based deep eutectic solvents. <i>Cellulose</i> , 2018, 25, 195-204.	2.4	49
1037	Selective separation of furfural and hydroxymethylfurfural from an aqueous solution using a supported hydrophobic deep eutectic solvent liquid membrane. <i>Faraday Discussions</i> , 2017, 206, 77-92.	1.6	53
1038	Key optoelectronic properties of Diiodo-bis(carbamide)-zinc(II): An experimental and computational investigation. <i>Journal of Molecular Structure</i> , 2018, 1156, 146-155.	1.8	4

#	ARTICLE	IF	CITATIONS
1039	Direct construction of diverse metallophthalocyanines by manifold substrates in a deep eutectic solvent. <i>Journal of Solid State Chemistry</i> , 2018, 258, 536-542.	1.4	19
1040	A closer look into deep eutectic solvents: exploring intermolecular interactions using solvatochromic probes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 206-213.	1.3	121
1041	Intensification of biotransformations using deep eutectic solvents: Overview and outlook. <i>Process Biochemistry</i> , 2018, 66, 33-60.	1.8	83
1042	First-Principles Molecular Dynamics Study of a Deep Eutectic Solvent: Choline Chloride/Urea and Its Mixture with Water. <i>Journal of Physical Chemistry B</i> , 2018, 122, 1245-1254.	1.2	136
1043	Deep eutectic solvents for the production and application of new materials. <i>Applied Materials Today</i> , 2018, 10, 30-50.	2.3	442
1044	Efficient extraction of indole from wash oil by quaternary ammonium salts via forming deep eutectic solvents. <i>Fuel</i> , 2018, 215, 330-338.	3.4	32
1045	Highly efficient extraction of phenolic compounds from oil mixtures by trimethylamine-based dicationic ionic liquids via forming deep eutectic solvents. <i>Fuel Processing Technology</i> , 2018, 171, 183-191.	3.7	60
1046	Understanding the interactions of cellulose fibres and deep eutectic solvent of choline chloride and urea. <i>Cellulose</i> , 2018, 25, 137-150.	2.4	55
1047	Experimental and Molecular Modeling Evaluation of the Physicochemical Properties of Proline-Based Deep Eutectic Solvents. <i>Journal of Physical Chemistry B</i> , 2018, 122, 369-379.	1.2	36
1048	Development of a Method Based on Natural Deep Eutectic Solvents for Extraction of Flavonoids from Food Samples. <i>Food Analytical Methods</i> , 2018, 11, 1330-1344.	1.3	115
1049	Dimethyl sulfoxide/deep eutectic solvents mixtures as media in the reaction of 1-fluoro-2,4-dinitrobenzene with piperidine: A solvent effect study. <i>Journal of Physical Organic Chemistry</i> , 2018, 31, e3787.	0.9	12
1050	Performance and mechanism of dye extraction from aqueous solution using synthesized deep eutectic solvents. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 539, 85-91.	2.3	48
1051	Quantum chemical analysis of electronic structure and bonding aspects of choline based ionic liquids. <i>Journal of Molecular Liquids</i> , 2018, 249, 637-649.	2.3	19
1052	Effect of choline chloride/ethylene glycol or glycerol as deep eutectic solvents on the solubility and thermodynamic properties of acetaminophen. <i>Journal of Molecular Liquids</i> , 2018, 249, 1222-1235.	2.3	110
1053	Solution processing of V_2VI_3 chalcogenides with a deep eutectic solvent for enhanced visible-light-driven hydrogen production. <i>Green Chemistry</i> , 2018, 20, 5266-5270.	4.6	18
1054	Improved effect of deep eutectic solvents on polymeric film of surfactant: application in determination and discrimination of dihydroxybenzene isomers as model molecules. <i>New Journal of Chemistry</i> , 2018, 42, 17659-17664.	1.4	6
1055	Quantification of the liquid window of deep eutectic solvents. <i>Chemical Communications</i> , 2018, 54, 13351-13354.	2.2	93
1056	Nanosopic structures and molecular interactions leading to a dystectic and two eutectic points in [EMIm][Cl]/urea mixtures. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 29591-29600.	1.3	14

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1057	Efficient Extraction of Bioactive Flavonoids from Ginkgo biloba Leaves Using Deep Eutectic Solvent/Water Mixture as Green Media. <i>Chemical and Biochemical Engineering Quarterly</i> , 2018, 32, 315-324.	0.5	36
1058	Operational Strategies and Comprehensive Evaluation of Menthol Based Deep Eutectic Solvent for the Extraction of Lower Alcohols from Aqueous Media. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16920-16932.	3.2	91
1059	Influence of Hydration on the Structure of Reline Deep Eutectic Solvent: A Molecular Dynamics Study. <i>ACS Omega</i> , 2018, 3, 15246-15255.	1.6	122
1060	Rotation and translation dynamics of coumarin 153 in choline chloride-based deep eutectic solvents. <i>Journal of Chemical Physics</i> , 2018, 149, 174503.	1.2	15
1061	Bifunctional imidazole-PTSA deep eutectic solvent for synthesizing long-chain ester IBIBE in reactive extraction. <i>AIChE Journal</i> , 2019, 65, 675-683.	1.8	47
1062	Solvents/Eutectic Solvents. , 2018, , 184-184.		1
1063	Is choline and geranate an ionic liquid or deep eutectic solvent system?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10999.	3.3	26
1064	Recovery of metals from waste electrical and electronic equipment (WEEE) using unconventional solvents based on ionic liquids. <i>Critical Reviews in Environmental Science and Technology</i> , 2018, 48, 859-922.	6.6	63
1065	Activity Coefficients at Infinite Dilution of Various Solutes in Tetrapropylammonium Bromide + 1,6-Hexanediol Deep Eutectic Solvent. <i>Journal of Chemical & Engineering Data</i> , 0, , .	1.0	3
1066	Partially Naked Fluoride in Solvate Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6662-6667.	2.1	15
1067	Tailor-Made Deep Eutectic Solvents for Simultaneous Extraction of Five Aromatic Acids from Ginkgo biloba Leaves. <i>Molecules</i> , 2018, 23, 3214.	1.7	36
1068	Deep Eutectic Solvent-Based Ultrahigh Pressure Extraction of Baicalin from <i>Scutellaria baicalensis</i> Georgi. <i>Molecules</i> , 2018, 23, 3233.	1.7	38
1069	Systematic Synthesis and Properties Evaluation of Dicationic Ionic Liquids, and a Glance Into a Potential New Field. <i>Frontiers in Chemistry</i> , 2018, 6, 612.	1.8	48
1070	A centrifuge method to determine the solid-liquid phase behavior of eutectic mixtures. <i>Journal of Chemical Physics</i> , 2018, 149, 224505.	1.2	17
1071	Morpholinium and Piperidinium Based Deep Eutectic Solvents for Synthesis of Pyrazole-Carbonitriles, Indoles and Tetrazoles: Bulk Properties <i>via</i> Molecular Dynamics Simulations. <i>ChemistrySelect</i> , 2018, 3, 12907-12917.	0.7	10
1072	Modifying Properties of Aqueous Micellar Solutions by External Additives: Deep Eutectic Solvent versus Its Constituents. <i>ChemistrySelect</i> , 2018, 3, 12652-12660.	0.7	4
1073	Liquid-Liquid Extraction of Benzene Using Low Transition Temperature Mixtures: COSMO-SAC Predictions and Experiments. <i>Journal of Chemical & Engineering Data</i> , 0, , .	1.0	7
1074	Iron Electrodeposition from Fe(II) Ions Dissolved in a Choline Chloride: Urea Eutectic Mixture. <i>Journal of the Electrochemical Society</i> , 2018, 165, D808-D812.	1.3	17

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1075	Evaluation of fatty acid/alcohol-based hydrophobic deep eutectic solvents as media for extracting antibiotics from environmental water. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 7325-7336.	1.9	116
1076	Role of Natural Deep Eutectic Solvents (NADES) in the Pretreatment of Lignocellulosic Biomass for an Integrated Biorefinery and Bioprocessing Concept. , 2018, , 73-109.		3
1077	Atomistic Insight into the Electrochemical Double Layer of Choline Chloride-Urea Deep Eutectic Solvents: Clustered Interfacial Structuring. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6296-6304.	2.1	48
1078	Dielectric relaxation in acetamide + urea deep eutectics and neat molten urea: Origin of time scales via temperature dependent measurements and computer simulations. <i>Journal of Chemical Physics</i> , 2018, 149, 124501.	1.2	34
1079	A new approach for microextraction of non-steroidal anti-inflammatory drugs from human urine samples based on in-situ deep eutectic mixture formation. <i>Journal of Molecular Liquids</i> , 2018, 272, 738-745.	2.3	61
1080	Application of green solvents as sorbent modifiers in sorptive-based extraction techniques for extraction of environmental pollutants. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 109, 50-61.	5.8	48
1081	Electron-Transfer Studies of Model Redox-Active Species (Cationic, Anionic, and Neutral) in Deep Eutectic Solvents. <i>Journal of Physical Chemistry C</i> , 2018, 122, 25411-25421.	1.5	15
1082	Deposition of Zinc-Cerium Coatings from Deep Eutectic Ionic Liquids. <i>Materials</i> , 2018, 11, 2035.	1.3	5
1083	Transforming food waste: how immobilized enzymes can valorize waste streams into revenue streams. <i>Npj Science of Food</i> , 2018, 2, 19.	2.5	74
1084	Biotransformation of \pm -Acetylbutyrolactone in <i>Rhodotorula</i> Strains. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2106.	1.8	2
1085	Aggregation Behavior of Sodium Dioctyl Sulfosuccinate in Deep Eutectic Solvents and Their Mixtures with Water: An Account of Solvent's Polarity, Cohesiveness, and Solvent Structure. <i>ACS Omega</i> , 2018, 3, 13387-13398.	1.6	25
1086	Low Temperature Electrochemical Deposition of Aluminum in Organic Bases/Thiourea-Based Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15480-15486.	3.2	18
1087	Yeast-Mediated Stereoselective Reduction of \pm -Acetylbutyrolactone. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1334.	1.3	10
1088	Choline-based deep eutectic solvents for CO ₂ separation: Review and thermodynamic analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 97, 436-455.	8.2	134
1089	Electrochemical synthesis of AuPt nanoflowers in deep eutectic solvent at low temperature and their application in organic electro-oxidation. <i>Scientific Reports</i> , 2018, 8, 13141.	1.6	17
1090	Biorenewable Deep Eutectic Solvent for Selective and Scalable Conversion of Furfural into Cyclopentenone Derivatives. <i>Molecules</i> , 2018, 23, 1891.	1.7	47
1091	Extraction of Keratin from Rabbit Hair by a Deep Eutectic Solvent and Its Characterization. <i>Polymers</i> , 2018, 10, 993.	2.0	40
1092	Tetraethylammonium Amino Acid Ionic Liquids and CO ₂ for Separation of Phenols from Oil Mixtures. <i>Energy & Fuels</i> , 2018, 32, 11046-11054.	2.5	25

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1093	The antagonist and synergist potential of cholinium-based deep eutectic solvents. <i>Ecotoxicology and Environmental Safety</i> , 2018, 165, 597-602.	2.9	35
1094	New synthetic strategies to prepare metal-organic frameworks. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2693-2708.	3.0	235
1095	How do the hydrocarbon chain length and hydroxyl group position influence the solute dynamics in alcohol-based deep eutectic solvents?. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 24613-24622.	1.3	34
1096	Eutectic solvent-mediated selective synthesis of Cu-Sb-S-based nanocrystals: combined experimental and theoretical studies toward highly efficient water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19798-19809.	5.2	11
1097	Spinning Approach for Cellulose Fiber Yarn Using a Deep Eutectic Solvent and an Inclined Channel. <i>ACS Omega</i> , 2018, 3, 10918-10926.	1.6	10
1098	Integrated Process for the Enzymatic Production of Fatty Acid Sugar Esters Completely Based on Lignocellulosic Substrates. <i>Frontiers in Chemistry</i> , 2018, 6, 421.	1.8	31
1099	Applications of Carboxylic Acids in Organic Synthesis, Nanotechnology and Polymers. , 0, , .		8
1100	Studies of bipyridinium ionic liquids and deep eutectic solvents as electrolytes for electrochromic devices. <i>Electrochimica Acta</i> , 2018, 283, 718-726.	2.6	18
1101	Techno-economic analysis and performance comparison of aqueous deep eutectic solvent and other physical absorbents for biogas upgrading. <i>Applied Energy</i> , 2018, 225, 437-447.	5.1	60
1102	Electrochemical Synthesis of Cobalt with Different Crystal Structures from a Deep Eutectic Solvent. <i>Journal of the Electrochemical Society</i> , 2018, 165, D285-D290.	1.3	26
1103	Research Progresses of Deep Eutectic Solvents and its Application in Separation and Catalysis. <i>Materials Science Forum</i> , 0, 921, 3-12.	0.3	6
1104	Superparamagnetic Fe ₃ O ₄ Nanoparticles in a Deep Eutectic Solvent: An Efficient and Recyclable Catalytic System for the Synthesis of Primary Carbamates and Monosubstituted Ureas. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 3481-3488.	1.2	34
1105	Natural Deep Eutectic Solvents and Their Applications in Biotechnology. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2018, 168, 31-59.	0.6	47
1106	Effect of water addition on extraction ability of eutectic solvent choline chloride+ 1,2-propanediol for separation of hexane/heptane+ethanol systems. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 1477-1487.	1.2	21
1107	Deep Eutectic Solvents: Green Solvents and Catalysts for the Preparation of Pyrazine Derivatives by Self-Condensation of <i>d</i> -Glucosamine. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9434-9441.	3.2	35
1108	Ionic Liquid Application in Surfactant Foam Stabilization for Gas Mobility Control. <i>Energy & Fuels</i> , 2018, 32, 6545-6556.	2.5	23
1109	Formation and Extractive Desulfurization Mechanisms of Aromatic Acid Based Deep Eutectic Solvents: An Experimental and Theoretical Study. <i>Chemistry - A European Journal</i> , 2018, 24, 11021-11032.	1.7	59
1110	Solubilities and Thermodynamic Properties of CO ₂ in Four Azole-Based Deep Eutectic Solvents. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 2091-2096.	1.0	36

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1111	Enhanced phenolic compounds extraction from <i>Morus alba</i> L. leaves by deep eutectic solvents combined with ultrasonic-assisted extraction. <i>Industrial Crops and Products</i> , 2018, 120, 147-154.	2.5	119
1112	Review on Carbon Dioxide Absorption by Choline Chloride/Urea Deep Eutectic Solvents. <i>Advances in Chemistry</i> , 2018, 2018, 1-6.	1.1	35
1113	Deep Eutectic Solvent-Based Microwave-Assisted Extraction of Baicalin from <i>Scutellaria baicalensis</i> Georgi. <i>Journal of Chemistry</i> , 2018, 2018, 1-10.	0.9	21
1114	Amphiphilically Nanostructured Deep Eutectic Solvents. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3922-3927.	2.1	57
1115	Extraction of value-added components from food industry based and agro-forest biowastes by deep eutectic solvents. <i>Journal of Biotechnology</i> , 2018, 282, 46-66.	1.9	136
1116	Liquid-Liquid Extraction of Benzene and Cyclohexane Using Sulfolane-Based Low Transition Temperature Mixtures as Solvents: Experiments and Simulation. <i>Energy & Fuels</i> , 2018, 32, 8006-8015.	2.5	21
1117	Choline chloride-based deep eutectic solvents for efficient cycloaddition of CO ₂ with propylene oxide. <i>Chemical Communications</i> , 2018, 54, 9579-9582.	2.2	76
1118	Oxidative desulfurization of diesel fuel with caprolactam-based acidic deep eutectic solvents: Tailoring the reactivity of DESs by adjusting the composition. <i>Chinese Journal of Catalysis</i> , 2018, 39, 1552-1559.	6.9	55
1119	Ionic liquids for the preparation of biopolymer materials for drug/gene delivery: a review. <i>Green Chemistry</i> , 2018, 20, 4169-4200.	4.6	89
1120	Thermal azide-alkene cycloaddition reactions: straightforward multi-gram access to 1,2,3-triazolines in deep eutectic solvents. <i>Green Chemistry</i> , 2018, 20, 4023-4035.	4.6	30
1121	Deep eutectic solvents used as extraction solvent for the determination of flavonoids from <i>Camellia oleifera</i> flowers by high-performance liquid chromatography. <i>Phytochemical Analysis</i> , 2018, 29, 639-648.	1.2	36
1122	Enzymatic Synthesis of Glycolipid Surfactants. , 2018, , 293-313.		6
1123	Deep eutectic solvents for polysaccharides processing. A review. <i>Carbohydrate Polymers</i> , 2018, 200, 361-380.	5.1	268
1124	Natural deep eutectic solvents-mediated extractions: The way forward for sustainable analytical developments. <i>Analytica Chimica Acta</i> , 2018, 1038, 1-10.	2.6	192
1125	Dissolution and regeneration of wool keratin in the deep eutectic solvent of choline chloride-urea. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 423-430.	3.6	55
1126	The Role of Polyfunctionality in the Formation of [Ch]Cl-Carboxylic Acid-Based Deep Eutectic Solvents. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 11195-11209.	1.8	46
1127	Electrodeposition of nano-nickel in deep eutectic solvents for hydrogen evolution reaction in alkaline solution. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 15673-15686.	3.8	46
1128	The Entropy of Deep Eutectic Solvent Formation. <i>Entropy</i> , 2018, 20, 524.	1.1	10

#	ARTICLE	IF	CITATIONS
1129	Template-Directed Replication of Nucleic Acids Mediated by Viscous Environments. <i>Nucleic Acids and Molecular Biology</i> , 2018, , 199-225.	0.2	0
1130	Green Separation of Bioactive Natural Products Using Liquefied Mixture of Solids. , 0, , .		11
1131	Greener Protocol for the Synthesis of NIR Fluorescent Indolenine-Based Symmetrical Squaraine Colorants. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10798-10805.	3.2	17
1132	Viscometric study of myo-inositol in aqueous deep eutectic solvent solutions. <i>Fluid Phase Equilibria</i> , 2018, 473, 236-244.	1.4	4
1133	Acetonitrile Dehydration via Extractive Distillation Using Low Transition Temperature Mixtures as Entrainers. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 2921-2930.	1.0	23
1134	Unexpectedly efficient SO ₂ capture and conversion to sulfur in novel imidazole-based deep eutectic solvents. <i>Chemical Communications</i> , 2018, 54, 8964-8967.	2.2	77
1135	Recent Advances in Solvents for the Dissolution, Shaping and Derivatization of Cellulose: Quaternary Ammonium Electrolytes and their Solutions in Water and Molecular Solvents. <i>Molecules</i> , 2018, 23, 511.	1.7	56
1136	Towards a sulfur clean fuel: Deep extraction of thiophene and dibenzothiophene using polyethylene glycol-based deep eutectic solvents. <i>Fuel</i> , 2018, 234, 414-421.	3.4	93
1137	Improving β -glucosidase biocatalysis with deep eutectic solvents based on choline chloride. <i>Biochemical Engineering Journal</i> , 2018, 138, 37-46.	1.8	52
1138	Evaluation of fractionation and delignification efficiencies of deep eutectic solvents on oil palm empty fruit bunch. <i>Industrial Crops and Products</i> , 2018, 123, 271-277.	2.5	102
1139	Novel zwitterionic Natural Deep Eutectic Solvents as environmentally friendly media for spontaneous self-assembly of gold nanoparticles. <i>Journal of Molecular Liquids</i> , 2018, 268, 371-375.	2.3	28
1140	Janus-faced role of water in defining nanostructure of choline chloride/glycerol deep eutectic solvent. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 22455-22462.	1.3	69
1141	Microwave assisted synthesis of 5-ethoxymethylfurfural in one pot from d-fructose by using deep eutectic solvent as catalyst under mild condition. <i>Biomass and Bioenergy</i> , 2018, 117, 38-43.	2.9	29
1142	Thermodynamic and Kinetic Studies of CO ₂ Capture by Glycol and Amine-Based Deep Eutectic Solvents. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 2671-2680.	1.0	117
1143	Exploiting the hydrophilic role of natural deep eutectic solvents for greening CO ₂ capture. <i>Journal of Cleaner Production</i> , 2018, 193, 802-810.	4.6	91
1144	Extraction techniques with deep eutectic solvents. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 105, 225-239.	5.8	469
1145	Counterion binding alters surfactant self-assembly in deep eutectic solvents. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 13952-13961.	1.3	30
1146	Investigation of solutions of ethyl alcohol and the deep eutectic solvent of Reline for their volumetric properties. <i>Fluid Phase Equilibria</i> , 2018, 472, 39-47.	1.4	38

#	ARTICLE	IF	CITATIONS
1147	Menthol-based hydrophobic deep eutectic solvents: Towards greener and efficient extraction of phytocannabinoids. <i>Journal of Cleaner Production</i> , 2018, 193, 391-396.	4.6	125
1148	Alcohol and Water Free Synthesis of Mesoporous Silica Using Deep Eutectic Solvent as a Template and Solvent and Its Application as a Catalyst Support for Formic Acid Dehydrogenation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12241-12250.	3.2	25
1149	Physical properties of deep eutectic solvents formed by the sodium halide salts and ethylene glycol, and their mixtures with water. <i>Journal of Molecular Liquids</i> , 2018, 269, 694-702.	2.3	41
1150	Novel Insights into the Combination of Metal and Biocatalysis: Cascade One-Pot Synthesis of Enantiomerically Pure Biaryl Alcohols in Deep Eutectic Solvents. <i>ChemCatChem</i> , 2018, 10, 4417-4423.	1.8	44
1151	Tree gum-based renewable materials: Sustainable applications in nanotechnology, biomedical and environmental fields. <i>Biotechnology Advances</i> , 2018, 36, 1984-2016.	6.0	106
1152	Synthesis of (-)-menthol fatty acid esters in and from (-)-menthol and fatty acids – novel concept for lipase catalyzed esterification based on eutectic solvents. <i>Molecular Catalysis</i> , 2018, 458, 67-72.	1.0	57
1153	Dissolution of wool in the choline chloride/oxalic acid deep eutectic solvent. <i>Materials Letters</i> , 2018, 231, 217-220.	1.3	33
1154	Characterization of Lignin Extracted from Willow by Deep Eutectic Solvent Treatments. <i>Polymers</i> , 2018, 10, 869.	2.0	40
1155	One-Step Electrochemical Preparation of Lead Powders and Sulfur Nanoparticles from Solid Lead Sulfide in Deep Eutectic Solvents without SO ₂ Gas. <i>Journal of the Electrochemical Society</i> , 2018, 165, D482-D487.	1.3	12
1156	OPLS Force Field for Choline Chloride-Based Deep Eutectic Solvents. <i>Journal of Physical Chemistry B</i> , 2018, 122, 9982-9993.	1.2	132
1157	Electrodeposition of Al, Al-Li Alloy, and Li from an Al-Containing Solvate Ionic Liquid under Ambient Conditions. <i>Journal of the Electrochemical Society</i> , 2018, 165, D321-D327.	1.3	16
1158	Imidazolium-based dicationic ionic liquids: highly efficient extractants for separating aromatics from aliphatics. <i>Green Chemistry</i> , 2018, 20, 3101-3111.	4.6	23
1159	Salicylaldehydes as privileged synthons in multicomponent reactions. <i>Russian Chemical Reviews</i> , 2018, 87, 553-585.	2.5	14
1160	Anodic Reactions and the Corrosion of Copper in Deep Eutectic Solvents. <i>Journal of the Electrochemical Society</i> , 2018, 165, D313-D320.	1.3	18
1161	Insight into effective denitrification and desulfurization of liquid fuel with deep eutectic solvents: an innovative evaluation criterion to filtrate extractants using the compatibility index. <i>Green Chemistry</i> , 2018, 20, 3112-3120.	4.6	46
1162	Mercury Capture from Petroleum Using Deep Eutectic Solvents. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 9222-9230.	1.8	22
1163	Efficient and Reversible Absorption of CO ₂ by Functional Deep Eutectic Solvents. <i>Energy & Fuels</i> , 2018, 32, 7727-7733.	2.5	81
1164	Deep eutectic water binary solvent associations investigated by vibrational spectroscopy and chemometrics. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18463-18473.	1.3	81

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1165	Organic Synthesis without Conventional Solvents. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4213-4232.	1.2	53
1166	Tetramethylammonium chloride + glycerol deep eutectic solvent as separation agent for organic liquid mixtures: Assessment from experimental limiting activity coefficients. <i>Fluid Phase Equilibria</i> , 2018, 473, 98-105.	1.4	23
1167	Kinetics and mechanism of corrosion of mild steel in new types of ionic liquids. <i>Journal of Electroanalytical Chemistry</i> , 2018, 823, 234-244.	1.9	18
1168	Transparent Wood Film Incorporating Carbon Dots as Encapsulating Material for White Light-Emitting Diodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9314-9323.	3.2	67
1169	A Greener Approach to Prepare Natural Deep Eutectic Solvents. <i>ChemistrySelect</i> , 2018, 3, 6122-6125.	0.7	92
1170	Natural deep eutectic solvents as eco-friendly and sustainable dilution medium for the determination of residual organic solvents in pharmaceuticals with static headspace-gas chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 158, 262-268.	1.4	36
1171	Magnetic solid-phase extraction for the removal of mercury from water with ternary hydrosulphonyl-based deep eutectic solvent modified magnetic graphene oxide. <i>Talanta</i> , 2018, 188, 454-462.	2.9	68
1172	Programming cascade reactions interfacing biocatalysis with transition-metal catalysis in Deep Eutectic Solvents as biorenewable reaction media. <i>Green Chemistry</i> , 2018, 20, 3468-3475.	4.6	96
1173	Progress and prospects of next-generation redox flow batteries. <i>Energy Storage Materials</i> , 2018, 15, 324-350.	9.5	239
1174	Design of Functional Therapeutic Deep Eutectic Solvents Based on Choline Chloride and Ascorbic Acid. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10355-10363.	3.2	93
1175	A New Green and Efficient Brønsted: Lewis Acidic DES for Pyrrole Synthesis. <i>Catalysis Letters</i> , 2018, 148, 2359-2372.	1.4	35
1176	The Future of Polar Organometallic Chemistry Written in Bio-Based Solvents and Water. <i>Chemistry - A European Journal</i> , 2018, 24, 14854-14863.	1.7	105
1177	Insights into the Nature of Eutectic and Deep Eutectic Mixtures. <i>Journal of Solution Chemistry</i> , 2019, 48, 962-982.	0.6	603
1178	SURFACE ROUGHNESS REDUCTION OF Cr-FILMS DEPOSITED FROM NOVEL DEEP EUTECTIC SOLVENT: EFFECT OF ACETYLACETONE. <i>Surface Review and Letters</i> , 2019, 26, 1850150.	0.5	7
1179	Novel diethanolamine based deep eutectic mixtures for carbon dioxide (CO ₂) capture: synthesis and characterisation. <i>Physics and Chemistry of Liquids</i> , 2019, 57, 473-490.	0.4	21
1180	Investigation for the novel use of a typical deep eutectic solvent as a potential shale inhibitor. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 1402-1415.	1.2	15
1181	Green Extraction of Phenolic Acids from <i>Artemisia argyi</i> Leaves by Tailor-Made Ternary Deep Eutectic Solvents. <i>Molecules</i> , 2019, 24, 2842.	1.7	19
1182	Using Deep Eutectic Solvents to Overcome Limited Substrate Solubility in the Enzymatic Decarboxylation of Bio-Based Phenolic Acids. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16364-16370.	3.2	44

#	ARTICLE	IF	CITATIONS
1183	Choline Chloride/ Urea as Mild Media for the Synthesis of the Chromonyl Amidodiester Fragments and Succinimide Derivatives. <i>ChemistrySelect</i> , 2019, 4, 9074-9078.	0.7	5
1184	Novel deep eutectic solvents with different functional groups towards highly efficient dissolution of lignin. <i>Green Chemistry</i> , 2019, 21, 5291-5297.	4.6	112
1185	Effect of Sodium Bromide on the Electrodeposition of Sn, Cu, Ag and Ni from a Deep Eutectic Solvent-Based Ionic Liquid. <i>International Journal of Electrochemical Science</i> , 2019, 14, 7116-7132.	0.5	21
1186	Quantum Chemistry Insight into the Interactions Between Deep Eutectic Solvents and SO ₂ . <i>Molecules</i> , 2019, 24, 2963.	1.7	36
1187	Research progress on biorefinery of lignocellulosic biomass. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 295, 012078.	0.2	5
1188	Phenolic hydrogen bond donors in the formation of non-ionic deep eutectic solvents: the quest for type V DES. <i>Chemical Communications</i> , 2019, 55, 10253-10256.	2.2	272
1189	Liquid salts as eco-friendly solvents for atom transfer radical polymerization: a review. <i>Polymer Chemistry</i> , 2019, 10, 4904-4913.	1.9	15
1190	Choline-based aqueous biphasic systems: Overview of applications. <i>Fluid Phase Equilibria</i> , 2019, 502, 112258.	1.4	27
1191	Solvation of carbohydrates in five choline chloride-based deep eutectic solvents and the implication for cellulose solubility. <i>Green Chemistry</i> , 2019, 21, 4673-4682.	4.6	63
1192	Potential Dependence of Surfactant Adsorption at the Graphite Electrode/Deep Eutectic Solvent Interface. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5331-5337.	2.1	6
1193	Green Synthesis of Privileged Benzimidazole Scaffolds Using Active Deep Eutectic Solvent. <i>Molecules</i> , 2019, 24, 2885.	1.7	40
1194	Liquid Structure and Dynamics of Tetraalkylammonium Bromide-Based Deep Eutectic Solvents: Effect of Cation Chain Length. <i>Journal of Physical Chemistry B</i> , 2019, 123, 6842-6850.	1.2	24
1195	Green process to regenerate keratin from feathers with an aqueous deep eutectic solvent. <i>RSC Advances</i> , 2019, 9, 19720-19728.	1.7	33
1196	Alternative Green Extraction Phases Applied to Microextraction Techniques for Organic Compound Determination. <i>Separations</i> , 2019, 6, 35.	1.1	20
1197	Thermodynamic characterization of deep eutectic solvents at high pressures. <i>Fluid Phase Equilibria</i> , 2019, 500, 112249.	1.4	34
1198	Calorimetric Evaluation of the Operational Thermal Stability of Ribonuclease A in Hydrated Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 12682-12687.	3.2	22
1199	Bioactives from Plant Food Processing Wastes: Ultrasonic Approaches to Valuable Chemicals. <i>Green Chemistry and Sustainable Technology</i> , 2019, , 145-170.	0.4	1
1200	Microwave-assisted deep eutectic solvent extraction of phenolic antioxidants from onion (<i>Allium</i>) Tj ETQq1 1 0.784314 rgBT /Overloc <i>Technology</i> , 2019, 56, 4211-4223.	1.4	53

#	ARTICLE	IF	CITATIONS
1201	Nickel-based materials electrodeposited from a deep eutectic solvent on steel for energy storage devices. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	20
1202	HPLC-MS/MS determination of non-steroidal anti-inflammatory drugs in bovine milk based on simultaneous deep eutectic solvents formation and its solidification. Microchemical Journal, 2019, 150, 104080.	2.3	38
1203	Excavated cubic platinum-iridium alloy nanocrystals with high-index facets as highly efficient electrocatalysts in N ₂ fixation to NH ₃ . Chemical Communications, 2019, 55, 9335-9338.	2.2	48
1204	Low Transition Temperature Mixtures (LTTM) Containing Sugars as Potato Starch Plasticizers. Starch/Staerke, 2019, 71, 1900004.	1.1	22
1205	Temperature- and pressure-induced phase transitions of choline chloride-urea deep eutectic solvent. Journal of Molecular Liquids, 2019, 291, 111343.	2.3	11
1206	Cyclic voltammetry growth and characterization of Sn-Ag alloys of different nanomorphologies and compositions for efficient hydrogen evolution in alkaline solutions. RSC Advances, 2019, 9, 22389-22400.	1.7	37
1207	Recent Advances in Ionic Liquid-Mediated SO ₂ Capture. Industrial & Engineering Chemistry Research, 2019, 58, 13804-13818.	1.8	47
1208	Hydrophobic deep eutectic solvents for the extraction of organic and inorganic analytes from aqueous environments. TrAC - Trends in Analytical Chemistry, 2019, 118, 853-868.	5.8	102
1209	Physiochemical Properties and Molecular Dynamics Simulations of Phosphonium and Ammonium Based Deep Eutectic Solvents. Journal of Solution Chemistry, 2019, 48, 1046-1065.	0.6	28
1210	Vortex-assisted natural deep eutectic solvent microextraction using response surface methodology optimization for determination of orthophosphate in water samples by molybdenum blue method. Journal of Separation Science, 2019, 42, 3102-3109.	1.3	19
1211	A strategy for the dissolution and separation of rare earth oxides by novel Brønsted acidic deep eutectic solvents. Green Chemistry, 2019, 21, 4748-4756.	4.6	93
1212	What a difference a methyl group makes – probing choline-urea molecular interactions through urea structure modification. Physical Chemistry Chemical Physics, 2019, 21, 18278-18289.	1.3	24
1213	Integration of renewable deep eutectic solvents with engineered biomass to achieve a closed-loop biorefinery. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13816-13824.	3.3	68
1214	Application of Natural Deep Eutectic Solvents in the Extraction of Quercetin from Vegetables. Molecules, 2019, 24, 2300.	1.7	41
1215	A low transition temperature mixture for the dispersive liquid-liquid microextraction of pesticides from surface waters. Journal of Chromatography A, 2019, 1605, 360329.	1.8	35
1216	Recovery of gold from hydrochloric medium by deep eutectic solvents based on quaternary ammonium salts. Hydrometallurgy, 2019, 188, 264-271.	1.8	35
1217	Modeling of Solid-Liquid Equilibria in Deep Eutectic Solvents: A Parameter Study. Molecules, 2019, 24, 2334.	1.7	42
1218	Water desalination by forward osmosis: draw solutes and recovery methods – review. Environmental Technology Reviews, 2019, 8, 25-46.	2.1	48

#	ARTICLE	IF	CITATIONS
1219	Lattice Boltzmann model for complex transfer behaviors in porous electrode of all copper redox flow battery with deep eutectic solvent electrolyte. <i>Applied Thermal Engineering</i> , 2019, 160, 114015.	3.0	30
1220	Effect of water addition on choline chloride/glycol deep eutectic solvents: Characterization of their structural and physicochemical properties. <i>Journal of Molecular Liquids</i> , 2019, 291, 111301.	2.3	194
1221	Annealing induced a well-ordered single crystal γ -MnO ₂ and its electrochemical performance in zinc-ion battery. <i>Scientific Reports</i> , 2019, 9, 15107.	1.6	37
1222	Hydrocarbon Chain-Length Dependence of Solvation Dynamics in Alcohol-Based Deep Eutectic Solvents: A Two-Dimensional Infrared Spectroscopic Investigation. <i>Journal of Physical Chemistry B</i> , 2019, 123, 9355-9363.	1.2	20
1223	Bubble point of aqueous mixtures of sugar-based deep eutectic solvents and their individual components: Experimental study and modeling. <i>Journal of Molecular Liquids</i> , 2019, 296, 111876.	2.3	7
1224	Looking at the "Water-in-Deep-Eutectic-Solvent" System: A Dilution Range for High Performance Eutectics. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17565-17573.	3.2	80
1225	Simple and global correlation for the densities of deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2019, 296, 111830.	2.3	42
1226	Ion and solvent transfer of polyaniline films electrodeposited from deep eutectic solvents via EQCM. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 3107-3121.	1.2	19
1227	Temperature-Dependent Ultrafast Solvation Response and Solute Diffusion in Acetamide-Urea Deep Eutectic Solvent. <i>Journal of Physical Chemistry B</i> , 2019, 123, 9212-9221.	1.2	25
1228	Corrosion Behavior of Common Metals in Eutectic Ionic Liquids. <i>International Journal of Electrochemical Science</i> , 2019, , 8450-8469.	0.5	6
1229	Extraction of cinnamic alcohol from <i>Rhodiola rosea</i> using deep eutectic solvents. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 315, 042006.	0.2	3
1230	CO ₂ -philic Separation Membrane: Deep Eutectic Solvent Filled Graphene Oxide Nanoslits. <i>Small</i> , 2019, 15, e1904145.	5.2	53
1231	Deep Eutectic Solvents for Pretreatment, Extraction, and Catalysis of Biomass and Food Waste. <i>Molecules</i> , 2019, 24, 4012.	1.7	164
1232	Tailor-made solvents for pharmaceutical use? Experimental and computational approach for determining solubility in deep eutectic solvents (DES). <i>International Journal of Pharmaceutics: X</i> , 2019, 1, 100034.	1.2	18
1233	One-pot photocatalytic reductive formylation of nitroarenes via multielectron transfer by carbon nitride in functional eutectic medium. <i>Journal of Catalysis</i> , 2019, 380, 186-194.	3.1	17
1234	Thermal Properties of Choline Chloride/Urea System Studied under Moisture-Free Atmosphere. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 5248-5255.	1.0	38
1235	Fabricating Amorphous g-C ₃ N ₄ /ZrO ₂ Photocatalysts by One-Step Pyrolysis for Solar-Driven Ambient Ammonia Synthesis. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44360-44365.	4.0	57
1236	Oxalic acid dihydrate: L-proline (LTTM) mediated synthesis of 2-substituted benzothiazole derivatives. <i>Chemical Data Collections</i> , 2019, 24, 100307.	1.1	3

#	ARTICLE	IF	CITATIONS
1237	Effect of water on the electrodeposition of copper on nickel in deep eutectic solvents. Transactions of the Institute of Metal Finishing, 2019, 97, 321-329.	0.6	30
1238	Enhanced Enzymatic Hydrolysis and Lignin Extraction of Wheat Straw by Triethylbenzyl Ammonium Chloride/Lactic Acid-Based Deep Eutectic Solvent Pretreatment. ACS Omega, 2019, 4, 19829-19839.	1.6	69
1239	â€œInvertedâ€ Deep Eutectic Solvents Based on Hostâ€ Guest Interactions. Chemistry - an Asian Journal, 2019, 14, 4183-4188.	1.7	18
1240	Surface Tension of α -Menthyl:Octanoic Acid Eutectic Mixtures. Journal of Chemical & Engineering Data, 2019, 64, 4915-4923.	1.0	31
1241	RAFT polymerization of 2-hydroxyethyl methacrylate in a deep eutectic solvent. Journal of Polymer Science Part A, 2019, 57, 2281-2286.	2.5	10
1242	ZnCl ₂ /Urea Eutectic Solvent as Stable Carbonylation Source for Benign Synthesis of 2-Benzimidazolones and 2-Imidazolones: An Effective Strategy for Preventing NH ₃ Gas Evolution. ChemistrySelect, 2019, 4, 11093-11097.	0.7	13
1243	<i>In situ</i> synthesis and encapsulation of copper phthalocyanine into MIL-101(Cr) and MIL-100(Fe) pores and investigation of their catalytic performance in the epoxidation of styrene. Journal of Porphyrins and Phthalocyanines, 2019, 23, 1118-1131.	0.4	6
1244	Review of Alternative Solvents for Green Extraction of Food and Natural Products: Panorama, Principles, Applications and Prospects. Molecules, 2019, 24, 3007.	1.7	300
1245	Eutectic Molecular Liquids Based on Hydrogen Bonding and π - π Interaction for Exfoliating Two-dimensional Materials and Recycling Polymers. Chemistry - an Asian Journal, 2019, 14, 3350-3356.	1.7	33
1246	Valorization of monosaccharides towards fructopyrazines in a new sustainable and efficient eutectic medium. Green Chemistry, 2019, 21, 5256-5266.	4.6	12
1247	Construction of biomimetic catalysis system coupling polyoxometalates with deep eutectic solvents for selective aerobic oxidation desulfurization. Applied Catalysis B: Environmental, 2019, 259, 118089.	10.8	70
1249	Concave Cubic Pt-Sm Alloy Nanocrystals with High-Index Facets and Enhanced Electrocatalytic Ethanol Oxidation. ACS Applied Energy Materials, 2019, 2, 7204-7210.	2.5	19
1250	Stepwise Conversion from GeO ₂ to [MGe ₄ S ₁₀] _n (M = Cu, Ag) Polymer via Isolatable [Ge ₂ S ₆] ⁴⁻ and [Ge ₄ S ₁₀] ⁴⁻ Anions by Virtue of Templating Technique. Inorganic Chemistry, 2019, 58, 12832-12842.	1.9	16
1251	Artificial Neural Network Approach for Modelling of Mercury Ions Removal from Water Using Functionalized CNTs with Deep Eutectic Solvent. International Journal of Molecular Sciences, 2019, 20, 4206.	1.8	13
1252	A novel non-covalent functionalized multi-walled carbon nanotubes for the microextraction of bromophenols in kelp and seaweed. Microchemical Journal, 2019, 151, 104205.	2.3	14
1253	Deep eutectic solvents for Cu-catalysed ARGET ATRP under an air atmosphere: a sustainable and efficient route to poly(methyl methacrylate) using a recyclable Cu(II) metal-organic framework. Green Chemistry, 2019, 21, 5865-5875.	4.6	37
1254	Sugar Alcohol-Based Deep Eutectic Solvents as Potato Starch Plasticizers. Polymers, 2019, 11, 1385.	2.0	29
1255	Deep eutectic solvents (DES) based on sulfur as alternative lubricants for silicon surfaces. Journal of Molecular Liquids, 2019, 295, 111728.	2.3	21

#	ARTICLE	IF	CITATIONS
1256	Utilization of deep eutectic solvents in dispersive liquid-liquid micro-extraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 120, 115651.	5.8	128
1257	Adsorption of Urea over Transition Metal-Doped Graphene: A DFT Study. <i>Journal of Electronic Materials</i> , 2019, 48, 6940-6948.	1.0	5
1258	Direct conversion of biomass to platform chemicals, catalyzed using a deep eutectic solvent of N,N diethyl ethanol ammonium chloride-oxalic acid in a microwave reactor. <i>Fuel</i> , 2019, 258, 116142.	3.4	18
1259	Application of natural deep eutectic solvents to extract ferulic acid from <i>Ligusticum chuanxiong</i> Hort with microwave assistance. <i>RSC Advances</i> , 2019, 9, 22677-22684.	1.7	40
1260	Greener Terpene—Terpene Eutectic Mixtures as Hydrophobic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17414-17423.	3.2	85
1261	Oil-in-eutectic mixture HIEs co-stabilized with surfactant and nanohydroxyapatite: ring-opening polymerization for nanocomposite scaffold synthesis. <i>Chemical Communications</i> , 2019, 55, 12292-12295.	2.2	19
1262	Do Cyclodextrins Encapsulate Volatiles in Deep Eutectic Systems?. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17397-17405.	3.2	26
1263	Deep eutectic solvents for CO ₂ capture from natural gas by energy and exergy analyses. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103411.	3.3	25
1264	Structural and Optical Annealing Route-Dependent Properties of CZTS Thin Films Grown by One-Step Electrodeposition with Free Annealing Sulfurization for Photovoltaic Application. <i>Journal of Electronic Materials</i> , 2019, 48, 8254-8260.	1.0	9
1265	Sketching neoteric solvents for boosting drugs bioavailability. <i>Journal of Controlled Release</i> , 2019, 311-312, 225-232.	4.8	33
1266	Ultrasound-assisted deep eutectic solvent as green and efficient media for the extraction of flavonoids from <i>Radix scutellariae</i> . <i>New Journal of Chemistry</i> , 2019, 43, 644-650.	1.4	23
1267	Understanding the peculiar effect of water on the physicochemical properties of choline chloride based deep eutectic solvents theoretically and experimentally. <i>Journal of Molecular Liquids</i> , 2019, 278, 607-615.	2.3	72
1268	Activity coefficients at infinite dilution of various organic solutes in the deep eutectic solvent (tetramethylammonium chloride + 1,6 hexanediol in the 1:1 molar ratio). <i>South African Journal of Chemical Engineering</i> , 2019, 27, 7-15.	1.2	18
1269	Water absorption by deep eutectic solvents. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 2601-2610.	1.3	109
1270	Rational design and facile preparation of maleimide-based functional materials for imaging and optoelectronic applications. <i>Materials Chemistry Frontiers</i> , 2019, 3, 571-578.	3.2	16
1271	Removal of both basic and non-basic N-compounds from diesel fuel with deep eutectic solvent. <i>Petroleum Science and Technology</i> , 2019, 37, 21-27.	0.7	2
1272	Highly active nanobiocatalysis in deep eutectic solvents via metal-driven enzyme-surfactant nanocomposite. <i>Journal of Biotechnology</i> , 2019, 292, 39-49.	1.9	14
1273	Deep eutectic solvent (DES) as both solvent and catalyst for oxidation of furfural to maleic acid and fumaric acid. <i>Green Chemistry</i> , 2019, 21, 1075-1079.	4.6	53

#	ARTICLE	IF	CITATIONS
1274	Intrinsically Electrochromic Deep Eutectic Solvents. <i>ChemistrySelect</i> , 2019, 4, 1530-1534.	0.7	7
1275	Volatility of Deep Eutectic Solvent Choline Chloride: <i>N</i> -Methylacetamide at Ambient Temperature and Pressure. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 7308-7317.	1.8	42
1276	Structure and Properties of Type IV Lanthanide Nitrate Hydrate: Urea Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4932-4940.	3.2	52
1277	Eco-friendly and facile electrochemical synthesis of sub-micrometer lead powders in deep eutectic solvents using galena as a raw material. <i>Journal of Applied Electrochemistry</i> , 2019, 49, 369-377.	1.5	4
1278	Solubility modelling and thermodynamic properties of allopurinol in aqueous solutions of four deep eutectic solvents. <i>Journal of Chemical Thermodynamics</i> , 2019, 132, 363-372.	1.0	24
1279	Concentration-Mediated Shape Evolution of Palladium Nanocrystals and Their Structure-Electrocatalytic Functionality. <i>Crystal Growth and Design</i> , 2019, 19, 1532-1539.	1.4	12
1280	NADES-mediated folk plant extracts as novel antifungal agents against <i>Candida albicans</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 167, 15-20.	1.4	32
1281	A choline chloride-acrylic acid deep eutectic solvent polymer based on Fe ₃ O ₄ particles and MoS ₂ sheets (poly(ChCl-AA DES)@Fe ₃ O ₄ @MoS ₂) with specific recognition and good antibacterial properties for β -lactoglobulin in milk. <i>Talanta</i> , 2019, 197, 567-577.	2.9	48
1282	Effect of functional groups in acid constituent of deep eutectic solvent for extraction of reactive lignin. <i>Bioresource Technology</i> , 2019, 281, 359-366.	4.8	163
1283	Deep eutectic solvents effect on vapor-liquid phase equilibrium for separation of allyl alcohol from its aqueous solution. <i>Journal of Molecular Liquids</i> , 2019, 279, 524-529.	2.3	24
1284	Recent advances in the Suzuki-Miyaura cross-coupling reaction using efficient catalysts in eco-friendly media. <i>Green Chemistry</i> , 2019, 21, 381-405.	4.6	323
1285	TiO ₂ nanoparticles coated with deep eutectic solvents: characterization and effect on photodegradation of organic dyes. <i>New Journal of Chemistry</i> , 2019, 43, 1415-1423.	1.4	26
1286	Polymer Science and Engineering Using Deep Eutectic Solvents. <i>Polymers</i> , 2019, 11, 912.	2.0	86
1287	Improving biocatalysis of cefaclor with penicillin acylase immobilized on magnetic nanocrystalline cellulose in deep eutectic solvent based co-solvent. <i>Bioresource Technology</i> , 2019, 288, 121548.	4.8	28
1288	Strategy To Form Eutectic Molecular Liquids Based on Noncovalent Interactions. <i>Journal of Physical Chemistry B</i> , 2019, 123, 4958-4966.	1.2	44
1289	Carbon-GO Composites with Preferential Water versus Ethanol Uptake. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24493-24503.	4.0	12
1290	Rapid desorption of CO ₂ from deep eutectic solvents based on polyamines at lower temperatures: an alternative technology with industrial potential. <i>Sustainable Energy and Fuels</i> , 2019, 3, 2125-2134.	2.5	21
1291	Activity modelling of the solid-liquid equilibrium of deep eutectic solvents. <i>Pure and Applied Chemistry</i> , 2019, 91, 1341-1349.	0.9	24

#	ARTICLE	IF	CITATIONS
1292	Hydrotropy and Cosolvency in Lignin Solubilization with Deep Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2019, , .	3.2	16
1293	Process analysis of extractive distillation for the separation of ethanolâ€“water using deep eutectic solvent as entrainer. Chemical Engineering Research and Design, 2019, 148, 298-311.	2.7	37
1294	Alcoholâ€“based deep eutectic solvent as a carrier of SiO ₂ @Fe ₃ O ₄ for the development of magnetic dispersive microâ€“solidâ€“phase extraction method: Application for the preconcentration and determination of morin in apple and grape juices, diluted and acidic extract of dried onion and green tea infusion samples. Journal of Separation Science, 2019, 42, 2842-2850.	1.3	46
1295	Alkanediol-based deep eutectic solvents for isolation of terpenoids from citrus essential oil: Experimental evaluation and COSMO-RS studies. Separation and Purification Technology, 2019, 227, 115707.	3.9	44
1296	Biocompatible ionic liquids: fundamental behaviours and applications. Chemical Society Reviews, 2019, 48, 4317-4335.	18.7	280
1297	Synthesis of novel $\hat{\pm}$ -acyloxyamides using choline chloride-based deep eutectic solvent. Monatshefte FÃ¼r Chemie, 2019, 150, 1317-1324.	0.9	0
1298	Use of deep eutectic solvents in the enzyme catalysed production of ethyl lactate. Process Biochemistry, 2019, 84, 53-59.	1.8	18
1299	Electrodeposition of 1-D tellurium nanostructure on gold surface from choline chloride-urea and choline chloride-ethylene glycol mixtures. Journal of Molecular Liquids, 2019, 288, 111038.	2.3	15
1300	Deep Eutectic Solvent with Prussian Blue and Tungsten Oxide for Green and Low-Cost Electrochromic Devices. ACS Applied Electronic Materials, 2019, 1, 1038-1045.	2.0	24
1301	Degradation of Deep-Eutectic Solvents Based on Choline Chloride and Carboxylic Acids. ACS Sustainable Chemistry and Engineering, 2019, 7, 11521-11528.	3.2	179
1302	Systematic evaluation of hydrophobic deep-melting eutectics as alternative solvents for the extraction of organic solutes from aqueous solution. RSC Advances, 2019, 9, 15798-15804.	1.7	17
1303	A Glance of the Electrochemical Co-Deposition of Indium and Arsenic in a Choline Chloride/Ethylene Glycol Deep Eutectic Solvent. Journal of the Electrochemical Society, 2019, 166, D374-D380.	1.3	3
1304	Synthesis of citric acid monohydrate-choline chloride based deep eutectic solvents (DES) and characterization of their physicochemical properties. Journal of Molecular Liquids, 2019, 288, 111081.	2.3	110
1305	Chromium(ⁱⁱⁱ) in deep eutectic solvents: towards a sustainable chromium(^{vi})-free steel plating process. Green Chemistry, 2019, 21, 3637-3650.	4.6	18
1306	Computing solubility parameters of deep eutectic solvents from Molecular Dynamics simulations. Fluid Phase Equilibria, 2019, 497, 10-18.	1.4	51
1307	Effect of Tetrabutylammonium Bromide-Based Deep Eutectic Solvents on the Aqueous Solubility of Indomethacin at Various Temperatures: Measurement, Modeling, and Prediction with Three-Dimensional Hansen Solubility Parameters. AAPS PharmSciTech, 2019, 20, 204.	1.5	19
1308	Tailor-designed deep eutectic liquids as a sustainable extraction media: An alternative to ionic liquids. Journal of Pharmaceutical and Biomedical Analysis, 2019, 174, 324-329.	1.4	52
1309	Volumetric and compressibility properties for aqueous solutions of choline chloride based deep eutectic solvents and Prigogineâ€“Floryâ€“Patterson theory to correlate of excess molar volumes at Tâ€“=â€“(293.15 to 308.15) K. Journal of Molecular Liquids, 2019, 289, 111077.	2.3	38

#	ARTICLE	IF	CITATIONS
1310	DESS: Green solvents for transition metal catalyzed organic reactions. Chinese Chemical Letters, 2019, 30, 2151-2156.	4.8	33
1311	Ternary Deep Eutectic Solvent Behavior of Water and Urea-Choline Chloride Mixtures. Journal of Physical Chemistry B, 2019, 123, 5302-5306.	1.2	51
1312	Molecular packing of surface active ionic liquids in a deep eutectic solvent: a small angle X-ray scattering (SAXS) study. Soft Matter, 2019, 15, 5060-5066.	1.2	13
1313	Densities, Viscosities, and Electrical Conductivities of Pure Anhydrous Reline and Its Mixtures with Water in the Temperature Range (293.15 to 338.15) K. Journal of Chemical & Engineering Data, 2019, 64, 4763-4774.	1.0	80
1314	A methodology to parameterize SAFT-type equations of state for solid precursors of deep eutectic solvents: the example of cholinium chloride. Physical Chemistry Chemical Physics, 2019, 21, 15046-15061.	1.3	32
1315	Using COSMO-RS to design choline chloride pharmaceutical eutectic solvents. Fluid Phase Equilibria, 2019, 497, 71-78.	1.4	64
1316	Hansen solubility parameters for selection of green extraction solvents. TrAC - Trends in Analytical Chemistry, 2019, 118, 227-237.	5.8	86
1317	Electrodeposition of Porous Sn-Ni-Cu Alloy Anode for Lithium-Ion Batteries from Nickel Matte in Deep Eutectic Solvents. Journal of the Electrochemical Society, 2019, 166, D427-D434.	1.3	31
1318	Boosting the hydrodesulfurization of dibenzothiophene efficiency of Mn decorated (Co/Ni)-Mo/Al ₂ O ₃ catalysts at mild temperature and pressure by coupling with phosphonium based ionic liquids. Chemical Engineering Journal, 2019, 375, 121957.	6.6	73
1319	Improving affinity of imprinted monolithic polymer prepared in deep eutectic solvent by metallic pivot. Journal of Chromatography A, 2019, 1602, 48-55.	1.8	16
1320	Polarity-dependent extraction of flavonoids from citrus peel waste using a tailor-made deep eutectic solvent. Food Chemistry, 2019, 297, 124970.	4.2	137
1321	Physical properties and thermal behavior of novel ternary green solvents. Journal of Molecular Liquids, 2019, 287, 110991.	2.3	6
1322	Biocatalytic synthesis of panthenyl monoacyl esters in ionic liquids and deep eutectic solvents. Green Chemistry, 2019, 21, 3353-3361.	4.6	24
1323	Investigation of deep eutectic solvents as additives to α -CD for enantiomeric separations of Zopiclone, Salbutamol, and Amlodipine by CE. Electrophoresis, 2019, 40, 1992-1995.	1.3	30
1324	The formation and physicochemical properties of PEGylated deep eutectic solvents. New Journal of Chemistry, 2019, 43, 8804-8810.	1.4	51
1325	Electrochemical behavior of NH ₄ VO ₃ in glyceline DES studied by cyclic voltammetry method. Ionics, 2019, 25, 4981-4990.	1.2	2
1326	Deep eutectic solvents: An overview on their interactions with water and biochemical compounds. Journal of Molecular Liquids, 2019, 288, 111028.	2.3	184
1327	Mixtures of LiTFSI and urea: ideal thermodynamic behavior as key to the formation of deep eutectic solvents?. Physical Chemistry Chemical Physics, 2019, 21, 12279-12287.	1.3	20

#	ARTICLE	IF	CITATIONS
1328	Electrodeposition of Ni@TiO ₂ Composite Coatings Using Electrolyte Based on a Deep Eutectic Solvent. <i>Surface Engineering and Applied Electrochemistry</i> , 2019, 55, 138-149.	0.3	26
1329	Product recovery of an enzymatically synthesized (R)-menthol ester in a deep eutectic solvent. <i>Bioprocess and Biosystems Engineering</i> , 2019, 42, 1385-1389.	1.7	19
1330	Development of different deep eutectic solvent aqueous biphasic systems for the separation of proteins. <i>RSC Advances</i> , 2019, 9, 14116-14125.	1.7	27
1331	Thermochemical properties of lignin extracted from willow by deep eutectic solvents (DES). <i>Cellulose</i> , 2019, 26, 8501-8511.	2.4	26
1332	The dynamic evaporation process of the deep eutectic solvent LiTf ₂ N-methylacetamide at ambient temperature. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 11810-11821.	1.3	29
1333	Recovery of Natural Products from Deep Eutectic Solvents by Mimicking Denaturation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9976-9983.	3.2	34
1334	Electrodeposition of Pd from a deep eutectic solvent system: effect of additives and hydrodynamic conditions. <i>Transactions of the Institute of Metal Finishing</i> , 2019, 97, 161-168.	0.6	17
1335	A novel green approach for dyeing polyester using glycerine based eutectic solvent as a dyeing medium. <i>Heliyon</i> , 2019, 5, e01606.	1.4	21
1336	Continuous Biocatalysis in Environmentally Friendly Media: A Triple Synergy for Future Sustainable Processes. <i>ChemCatChem</i> , 2019, 11, 3128-3137.	1.8	58
1337	Deep eutectic solvents functionalized polymers for easily and efficiently promoting biocatalysis. <i>Journal of Catalysis</i> , 2019, 374, 306-319.	3.1	27
1338	Novel acidic eutectic mixture as peroxidase mimetics for oxidative desulfurization of model diesel. <i>Applied Catalysis B: Environmental</i> , 2019, 255, 117747.	10.8	65
1339	Surfactant aggregates within deep eutectic solvent-assisted synthesis of hierarchical ZIF-8 with tunable porosity and enhanced catalytic activity. <i>Journal of Materials Science</i> , 2019, 54, 11009-11023.	1.7	25
1340	Menthol-based eutectic mixtures: Novel potential temporary consolidants for archaeological excavation applications. <i>Journal of Cultural Heritage</i> , 2019, 39, 103-109.	1.5	9
1341	Review on heavy metal adsorption processes by carbon nanotubes. <i>Journal of Cleaner Production</i> , 2019, 230, 783-793.	4.6	312
1342	Mercury removal from water using deep eutectic solvents functionalized multi walled carbon nanotubes: Nonlinear autoregressive network with an exogenous input neural network approach. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, e13261.	1.3	8
1343	Fabrication of Water-Compatible Molecularly Imprinted Resin in a Hydrophilic Deep Eutectic Solvent for the Determination and Purification of Quinolones in Wastewaters. <i>Polymers</i> , 2019, 11, 871.	2.0	34
1344	Montmorillonite K10-Catalyzed Solvent-Free Conversion of Furfural into Cyclopentenones. <i>Catalysts</i> , 2019, 9, 301.	1.6	18
1345	Choline Chloride-Based Deep Eutectic Systems in Sequential Friedländer Reaction and Palladium-Catalyzed sp ³ CH Functionalization of Methyl Ketones. <i>ACS Omega</i> , 2019, 4, 8046-8055.	1.6	26

#	ARTICLE	IF	CITATIONS
1346	An Efficient Strategy for the Production of Epoxidized Oils: Natural Deep Eutectic Solvent-Based Enzymatic Epoxidation. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2019, 96, 671-679.	0.8	5
1347	Sugar Esters. , 2019, , 325-363.		9
1348	Development of deep eutectic solvent-based aqueous biphasic system for the extraction of lysozyme. <i>Talanta</i> , 2019, 202, 1-10.	2.9	44
1349	Sustainable bioconversion of food waste into high-value products by immobilized enzymes to meet bio-economy challenges and opportunities – A review. <i>Food Research International</i> , 2019, 123, 226-240.	2.9	123
1350	Deep Eutectic Solvents as Efficient Solvents in Biocatalysis. <i>Trends in Biotechnology</i> , 2019, 37, 943-959.	4.9	262
1351	Effect of Hydrated and Nonhydrated Choline Chloride-Urea Deep Eutectic Solvent (Reline) on Thrombin-Binding C-quadruplex Aptamer (TBA): A Classical Molecular Dynamics Simulation Study. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11686-11698.	1.5	24
1352	Spectral and thermophysical properties of some novel deep eutectic solvent based on l-menthol and their mixtures with ethanol. <i>Journal of Molecular Liquids</i> , 2019, 285, 477-487.	2.3	38
1353	Efficient Absorption of SO ₂ by Deep Eutectic Solvents Formed by Biobased Aprotic Organic Compound Succinonitrile and 1-Ethyl-3-methylimidazolium Chloride. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9086-9091.	3.2	67
1354	Three-phase hollow-fiber liquid-phase microextraction based on deep eutectic solvent as acceptor phase for extraction and preconcentration of main active compounds in a traditional Chinese medicinal formula. <i>Journal of Separation Science</i> , 2019, 42, 2239-2246.	1.3	29
1355	Pyrene Fluorescence To Probe a Lithium Chloride-Added (Choline Chloride + Urea) Deep Eutectic Solvent. <i>Journal of Physical Chemistry B</i> , 2019, 123, 3103-3111.	1.2	23
1356	Insights into the Hydrogen Bond Interactions in Deep Eutectic Solvents Composed of Choline Chloride and Polyols. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7760-7767.	3.2	128
1357	High-Performance Separation of Phenolic Compounds from Coal-Based Liquid Oil by Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7777-7783.	3.2	69
1358	Extractive Distillation with Ionic Liquid Entrainers for the Separation of Acetonitrile and Water. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 5602-5612.	1.8	33
1359	Characterization of a trans-trans Carbonic Acid-Fluoride Complex by Infrared Action Spectroscopy in Helium Nanodroplets. <i>Journal of the American Chemical Society</i> , 2019, 141, 5815-5823.	6.6	18
1360	Organolithium-Initiated Polymerization of Olefins in Deep Eutectic Solvents under Aerobic Conditions. <i>ChemSusChem</i> , 2019, 12, 3134-3143.	3.6	41
1361	An Efficient and Eco-Friendly One-Pot Synthesis of Pyrazolopyridines Mediated by Choline Chloride/Urea Eutectic Mixture. <i>ChemistrySelect</i> , 2019, 4, 3131-3134.	0.7	11
1362	Deep eutectic solvents appended to UiO-66 type metal organic frameworks: Preserved open metal sites and extra adsorption sites for CO ₂ capture. <i>Applied Surface Science</i> , 2019, 480, 770-778.	3.1	48
1363	Ionic conductivity of deep eutectic solvents: the role of orientational dynamics and glassy freezing. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 6801-6809.	1.3	58

#	ARTICLE	IF	CITATIONS
1364	Deep desulfurization of fuels based on deep eutectic theory. Separation and Purification Technology, 2019, 219, 9-15.	3.9	30
1365	Dispersive liquid-liquid microextraction based on green type solvents and deep eutectic solvents for highly selective separation and efficient preconcentration of nickel in water samples. Journal of the Iranian Chemical Society, 2019, 16, 1715-1722.	1.2	24
1366	Preparation, characterization and application of rod-like chitin nanocrystal by using p-toluenesulfonic acid/choline chloride deep eutectic solvent as a hydrolytic media. Carbohydrate Polymers, 2019, 213, 304-310.	5.1	28
1367	First Investigation of the Micelles Forming in a Novel Deep Eutectic Solvents-Based Aqueous Micellar Two-Phase System: Partitioning of Cationic/Neutral/Anionic Pigments. ACS Sustainable Chemistry and Engineering, 2019, 7, 6078-6092.	3.2	27
1368	Effect of Water on Deep Eutectic Solvent/ β -Cyclodextrin Systems. ACS Sustainable Chemistry and Engineering, 2019, 7, 7277-7285.	3.2	52
1369	Innovative non-aqueous phases and partitioning bioreactor configurations. Advances in Chemical Engineering, 2019, 54, 299-348.	0.5	11
1370	Vapor-Liquid Phase Equilibrium for Separation of Isopropanol from Its Aqueous Solution by Choline Chloride-Based Deep Eutectic Solvent Selected by COSMO-SAC Model. Journal of Chemical & Engineering Data, 2019, 64, 1338-1348.	1.0	22
1371	Cytotoxicity profiling of deep eutectic solvents to human skin cells. Scientific Reports, 2019, 9, 3932.	1.6	93
1372	Green synthesis, characterization and optical properties of eutectics and 1:1 intermolecular compounds: N,N-dimethylaminobenzaldehyde-anthranilic acid and 2-(4-(dimethylamino)benzylideneamino)benzoic acid-p-nitroaniline systems. Bulletin of Materials Science, 2019, 42, 1.	0.8	1
1373	Low melting mixture glycerol:proline as an innovative designer solvent for the synthesis of novel chromeno fused thiazolopyrimidinone derivatives: An excellent correlation with green chemistry metrics. Journal of Molecular Liquids, 2019, 283, 69-80.	2.3	15
1374	Deep eutectic solvent as an operative media on structure-reactivity relationships. International Journal of Chemical Kinetics, 2019, 51, 511-519.	1.0	5
1375	Development of a deep eutectic solvent-based matrix solid phase dispersion methodology for the determination of aflatoxins in crops. Food Chemistry, 2019, 291, 239-244.	4.2	28
1376	Ionic deep eutectic solvents for the extraction and separation of natural products. Journal of Chromatography A, 2019, 1598, 1-19.	1.8	156
1377	Experimental and theoretical investigation of solvatochromic properties and ion solvation structure in DESs of reline, glyceline, ethaline and their mixtures with PEG 400. Journal of Molecular Liquids, 2019, 284, 59-67.	2.3	36
1378	Deep eutectic solvents comprising active pharmaceutical ingredients in the development of drug delivery systems. Expert Opinion on Drug Delivery, 2019, 16, 497-506.	2.4	88
1379	Optimization of solvent-free enzymatic esterification in eutectic substrate reaction mixture. Biotechnology Reports (Amsterdam, Netherlands), 2019, 22, e00333.	2.1	21
1380	Hydrodesulfurization of dibenzothiophene using Pd-promoted $\text{Co}/\text{Al}_2\text{O}_3$ and $\text{Ni}/\text{Al}_2\text{O}_3$ catalysts coupled with ionic liquids at ambient operating conditions. RSC Advances, 2019, 9, 10371-10385.	1.7	54
1381	First Evidence of Cyclodextrin Inclusion Complexes in a Deep Eutectic Solvent. ACS Sustainable Chemistry and Engineering, 2019, 7, 6345-6351.	3.2	41

#	ARTICLE	IF	CITATIONS
1382	New deep eutectic solvents composed of crown ether, hydroxide and polyethylene glycol for extraction of non-basic N-compounds. Chinese Chemical Letters, 2019, 30, 871-874.	4.8	52
1383	<i>p</i> -TSA-Based DESs as "Active Green Solvents" for Microwave Enhanced Cyclization of 2-Alkynyl(hetero)arylcarboxylates: an Alternative Access to 6-Substituted 3,4-Fused 2-Pyranones. European Journal of Organic Chemistry, 2019, 2019, 1904-1914.	1.2	24
1384	Application of deep eutectic solvents in biomass pretreatment and conversion. Green Energy and Environment, 2019, 4, 95-115.	4.7	278
1385	Alcoholysis of polyethylene terephthalate to produce dioctyl terephthalate using choline chloride-based deep eutectic solvents as efficient catalysts. Green Chemistry, 2019, 21, 897-906.	4.6	95
1386	Applications of Ionic Liquids in Removal of Surface Contaminants. , 2019, , 619-680.		16
1387	Polymer solvation in choline chloride deep eutectic solvents modulated by the hydrogen bond donor. Journal of Molecular Liquids, 2019, 279, 584-593.	2.3	25
1388	Effect of composition and water content on physicochemical properties of choline chloride-boric acid low-melting mixtures. Journal of Molecular Liquids, 2019, 280, 104-110.	2.3	12
1389	On the Performance of Confined Deep Eutectic Solvents and Ionic Liquids for Separations of Carbon Dioxide from Methane: Molecular Dynamics Simulations. Langmuir, 2019, 35, 3658-3671.	1.6	31
1390	Aerobic oxidative desulfurization coupling of Co polyanion catalysts and <i>p</i> -TsOH-based deep eutectic solvents through a biomimetic approach. Green Chemistry, 2019, 21, 2629-2634.	4.6	90
1391	Highly Transparent, Flexible and Conductive CNF/AgNW Paper for Paper Electronics. Materials, 2019, 12, 322.	1.3	17
1392	Thermodynamic and molecular insights into the absorption of H ₂ S, CO ₂ , and CH ₄ in choline chloride plus urea mixtures. AIChE Journal, 2019, 65, e16574.	1.8	139
1393	Preparation and characterization of physicochemical properties and application of novel ternary deep eutectic solvents. Cellulose, 2019, 26, 3031-3045.	2.4	40
1394	Photophysics, rotational dynamics and fluorescence lifetime imaging study of coumarin dyes in deep eutectic solvent. Journal of Molecular Liquids, 2019, 280, 399-409.	2.3	22
1395	Enantioselective One-Pot Synthesis of Biaryl-Substituted Amines by Combining Palladium and Enzyme Catalysis in Deep Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2019, 7, 5486-5493.	3.2	51
1396	Quest for Green Solvent Design: From Hydrophilic to Hydrophobic (Deep) Eutectic Solvents. ChemSusChem, 2019, 12, 1549-1559.	3.6	286
1397	Alkaline deep eutectic solvent: a novel green solvent for lignocellulose pulping. Cellulose, 2019, 26, 4085-4098.	2.4	89
1398	Isobaric Liquid-Liquid Equilibrium Measurements and Thermodynamics Modeling for Systems: Benzene + Cyclohexane + DESs at 303.15 and 323.15 K. Journal of Chemical & Engineering Data, 2019, 64, 1113-1121.	1.0	7
1399	<i>110th Anniversary:</i> Distribution Coefficients of Furfural and 5-Hydroxymethylfurfural in Hydrophobic Deep Eutectic Solvent + Water Systems: Experiments and Perturbed-Chain Statistical Associating Fluid Theory Predictions. Industrial & Engineering Chemistry Research, 2019, 58, 4240-4247.	1.8	42

#	ARTICLE	IF	CITATIONS
1400	Selenidostannates and a Silver Selenidostannate Synthesized in Deep Eutectic Solvents: Crystal Structures and Thermochromic Study. <i>Inorganic Chemistry</i> , 2019, 58, 2942-2953.	1.9	28
1401	Recent Advances in Hydrophobic Deep Eutectic Solvents for Extraction. <i>Separations</i> , 2019, 6, 9.	1.1	160
1402	Synthesis and characterisation of polyaniline and/or MoO ₂ /graphite composites from deep eutectic solvents via chemical polymerisation. <i>Journal of Polymer Research</i> , 2019, 26, 1.	1.2	31
1403	Physicochemical Properties, Cytotoxicity, and Antioxidative Activity of Natural Deep Eutectic Solvents Containing Organic Acid. <i>Chemical and Biochemical Engineering Quarterly</i> , 2019, 33, 1-18.	0.5	63
1404	Deep Eutectic Solvents for Enzymatic Esterification of Racemic Menthol. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19943-19950.	3.2	39
1405	Investigation of glycerol hydrogen-bonding networks in choline chloride/glycerol eutectic-forming liquids using neutron diffraction. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 21782-21789.	1.3	61
1406	Direct extraction of copper from copper sulfide minerals using deep eutectic solvents. <i>Green Chemistry</i> , 2019, 21, 6502-6512.	4.6	57
1407	Highly Stable Dispersion of Carbon Nanotubes in Deep Eutectic Solvent for the Preparation of CNT-Embedded Carbon Xerogels for Supercapacitors. <i>ChemElectroChem</i> , 2019, 6, 5750-5758.	1.7	11
1408	Solubility Increment and Thermodynamic Analysis of Bioactive Antofloxacin Hydrochloride in Aqueous ChCl/PTS Deep Eutectic Solvent and Cosolvent Mixtures. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 5748-5754.	1.0	5
1409	A closer look in the antimicrobial properties of deep eutectic solvents based on fatty acids. <i>Sustainable Chemistry and Pharmacy</i> , 2019, 14, 100192.	1.6	36
1410	Metal-Free Deep Eutectic Solvents: Preparation, Physical Properties, and Significance. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7956-7964.	2.1	118
1416	Electrochemical detection of SO ₂ in a hydroxyl functionalized and eutectic-based ionic liquid. <i>Functional Materials Letters</i> , 2019, 12, 1950084.	0.7	6
1417	Remarkable stability of <i>Candida antarctica</i> lipase B immobilized <i>via</i> cross-linking aggregates (CLEA) in deep eutectic solvents. <i>Biocatalysis and Biotransformation</i> , 2019, 37, 106-114.	1.1	32
1418	A practical multigram-scale method for the green synthesis of 5-substituted-1H-tetrazoles in deep eutectic solvent. <i>Tetrahedron Letters</i> , 2019, 60, 402-406.	0.7	36
1419	A new robust, deep eutectic-based floating organic droplets microextraction method for determination of lead in a portable syringe system directly couple with FAAS. <i>Talanta</i> , 2019, 196, 71-77.	2.9	53
1420	Deep eutectic solvents: A structural point of view on the role of the cation. <i>Chemical Physics Letters: X</i> , 2019, 737, 100001.	2.1	45
1421	A novel deep eutectic solvent from lignin-derived acids for improving the enzymatic digestibility of herbal residues from cellulose. <i>Cellulose</i> , 2019, 26, 1947-1959.	2.4	50
1422	Poly(deep eutectic solvent)-functionalized magnetic metal-organic framework composites coupled with solid-phase extraction for the selective separation of cationic dyes. <i>Analytica Chimica Acta</i> , 2019, 1056, 47-61.	2.6	63

#	ARTICLE	IF	CITATIONS
1423	Lewis Acid-Base Synergistic Catalysis for Polyethylene Terephthalate Degradation by 1,3-Dimethylurea/Zn(OAc) ₂ Deep Eutectic Solvent. ACS Sustainable Chemistry and Engineering, 2019, 7, 3292-3300.	3.2	121
1424	A Search for Natural Hydrophobic Deep Eutectic Solvents Based on Natural Components. ACS Sustainable Chemistry and Engineering, 2019, 7, 2933-2942.	3.2	310
1425	Physical properties of seven deep eutectic solvents based on l-proline or betaine. Journal of Chemical Thermodynamics, 2019, 131, 517-523.	1.0	75
1426	Thermal behavior of ammonium dinitramide and amine nitrate mixtures. Journal of Thermal Analysis and Calorimetry, 2019, 135, 2677-2685.	2.0	12
1427	From batch to fed-batch and to continuous packed-bed reactors: Lipase-catalyzed esterifications in low viscous deep-eutectic-solvents with buffer as cosolvent. Bioresource Technology, 2019, 273, 320-325.	4.8	52
1428	Deep eutectic solvents for extraction-desulphurization: A review. Journal of Molecular Liquids, 2019, 275, 312-322.	2.3	126
1429	Deep eutectic solvents (DESs) for cellulose dissolution: a mini-review. Cellulose, 2019, 26, 205-213.	2.4	134
1430	High-Speed Electroplating of Fe Films Using DES-Based Plating Baths. Journal of Electronic Materials, 2019, 48, 1330-1334.	1.0	4
1431	A hydrophobic deep eutectic solvent mediated sol-gel coating of solid phase microextraction fiber for determination of toluene, ethylbenzene and o-xylene in water coupled with GC-FID. Talanta, 2019, 195, 298-305.	2.9	44
1432	Deep eutectic solvent as a green solvent for enhanced extraction of narirutin, naringin, hesperidin and neohesperidin from Aurantii Fructus. Phytochemical Analysis, 2019, 30, 156-163.	1.2	41
1433	Toward Designing a Novel Oligopeptide-Based Deep Eutectic Solvent: Applied in Biocatalytic Reduction. ACS Sustainable Chemistry and Engineering, 2019, 7, 1318-1326.	3.2	18
1434	Optimization and control of CO ₂ capture using low transition temperature mixtures. International Journal of Greenhouse Gas Control, 2019, 81, 126-136.	2.3	6
1435	Synthesis and characterization of deep eutectic solvent functionalized CNT/ZnCo ₂ O ₄ nanostructure: Kinetics, isotherm and regenerative studies on Eosin Y adsorption. Journal of Environmental Chemical Engineering, 2019, 7, 102877.	3.3	28
1436	New insight into experimental and computational studies of Choline chloride-based "green" ternary deep eutectic solvent (TDES). Journal of Molecular Structure, 2019, 1181, 295-299.	1.8	37
1437	Ultrasound-assisted emulsification liquid phase microextraction method based on deep eutectic solvent as extraction solvent for determination of five pesticides in traditional Chinese medicine. Journal of Pharmaceutical and Biomedical Analysis, 2019, 166, 213-221.	1.4	36
1438	Electrodeposition of Ag onto Au(111) from Deep Eutectic Solvents. ChemElectroChem, 2019, 6, 141-146.	1.7	11
1439	Electrochemical behavior and electrodeposition of cobalt from choline chloride-urea deep eutectic solvent. Electrochimica Acta, 2019, 295, 550-557.	2.6	51
1440	A black conversion coating produced by hot corrosion of magnesium with deep eutectic solvent membrane. Surface and Coatings Technology, 2019, 357, 833-840.	2.2	16

#	ARTICLE	IF	CITATIONS
1441	Synthesis of mesoporous γ - MnO_2 in manganese(II)-based deep eutectic solvent and their application in the absorption of Congo red. <i>Separation Science and Technology</i> , 2019, 54, 1269-1277.	1.3	11
1442	Green Tailoring With Water of Choline Chloride Deep Eutectic Solvents for the Extraction of Polyphenols From Palm Samples. <i>Journal of Chromatographic Science</i> , 2019, 57, 272-278.	0.7	23
1443	Deep eutectic solvents formed by quaternary ammonium salts and aprotic organic compound succinonitrile. <i>Journal of Molecular Liquids</i> , 2019, 274, 414-417.	2.3	23
1444	A deep eutectic solvent (DES) electrolyte-based vanadium-iron redox flow battery enabling higher specific capacity and improved thermal stability. <i>Electrochimica Acta</i> , 2019, 293, 426-431.	2.6	64
1445	Synthesis Of di- and tri-substituted thiourea derivatives in water using choline chloride-urea catalyst. <i>Journal of Sulfur Chemistry</i> , 2019, 40, 113-123.	1.0	3
1446	Evaluation of natural deep eutectic solvents for the extraction of bioactive flavone C-glycosides from <i>Flos Trollii</i> . <i>Microchemical Journal</i> , 2019, 145, 180-186.	2.3	41
1447	Fabrication of Ag@AgCl with Enhanced Plasmonic Photocatalysis Performance via a Deep Eutectic Solvent. <i>Australian Journal of Chemistry</i> , 2019, 72, 200.	0.5	7
1448	Stereoselective synthesis of a key chiral intermediate of (S)-Rivastigmine by AKR-GDH recombinant whole cells. <i>Journal of Biotechnology</i> , 2019, 289, 64-70.	1.9	11
1449	Deep eutectic solvents: overcoming 21st century challenges. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2019, 18, 31-36.	3.2	155
1450	Properties of Deep Eutectic Solvents. , 2019, , 45-110.		9
1451	A green one-pot synthesis of α -amino nitrile derivatives via Strecker reaction in deep eutectic solvents. <i>Monatshefte für Chemie</i> , 2019, 150, 303-307.	0.9	12
1453	The Variety of Deep Eutectic Solvents. , 2019, , 13-44.		8
1454	Natural deep eutectic solvents (<scp>NADES</scp>) based on citric acid and sucrose as a potential green technology: a comprehensive study of water inclusion and its effect on thermal, physical and rheological properties. <i>International Journal of Food Science and Technology</i> , 2019, 54, 898-907.	1.3	44
1455	Separation of phenolic compounds from oil mixtures using environmentally benign biological reagents based on Brønsted acid-Lewis base interaction. <i>Fuel</i> , 2019, 239, 926-934.	3.4	24
1456	Simple Estimates for Eutectic Behavior. <i>ChemPhysChem</i> , 2019, 20, 123-127.	1.0	6
1457	Base and Catalyst-Free Preparation of Silyl Ethers in the Choline Chloride/Urea Deep Eutectic Solvent (DES). <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 541-549.	1.9	8
1458	Metal applications of liquid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 112, 241-247.	5.8	47
1459	Effect of lithium chloride on the density and dynamic viscosity of choline chloride/urea deep eutectic solvent in the temperature range (303.15-358.15) K. <i>Journal of Chemical Thermodynamics</i> , 2019, 130, 166-172.	1.0	28

#	ARTICLE	IF	CITATIONS
1460	An automated homogeneous liquid-liquid microextraction based on deep eutectic solvent for the HPLC-UV determination of caffeine in beverages. <i>Microchemical Journal</i> , 2019, 144, 469-473.	2.3	72
1461	Kinetics of the reaction of ethanol and lauric acid catalyzed by deep eutectic solvent based on benzyltrimethylammonium chloride. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 1144-1151.	0.9	13
1462	Physical properties of aqueous mixtures of (choline chloride+glucose) deep eutectic solvents. <i>Journal of Chemical Thermodynamics</i> , 2019, 129, 159-165.	1.0	36
1463	Aluminum Electrochemical Nucleation and Growth onto a Glassy Carbon Electrode from a Deep Eutectic Solvent. <i>Journal of the Electrochemical Society</i> , 2019, 166, D3035-D3041.	1.3	23
1464	Extraction, purification and antioxidant activity of novel polysaccharides from <i>Dendrobium officinale</i> by deep eutectic solvents. <i>Natural Product Research</i> , 2019, 33, 3248-3253.	1.0	33
1465	Extractive desulfurization of fuel with methyltriphenyl phosphonium bromide- tetraethylene glycol-based eutectic solvents. <i>Separation Science and Technology</i> , 2020, 55, 554-563.	1.3	24
1466	Overview of acidic deep eutectic solvents on synthesis, properties and applications. <i>Green Energy and Environment</i> , 2020, 5, 8-21.	4.7	234
1467	Understanding the role of the hydrogen bond donor of the deep eutectic solvents in the formation of the aqueous biphasic systems. <i>Fluid Phase Equilibria</i> , 2020, 503, 112319.	1.4	26
1468	Thermodynamic and Transport Properties Modeling of Deep Eutectic Solvents: A Review on E^{∞} -Models, Equations of State, and Molecular Dynamics. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 943-967.	1.0	52
1469	Emerging Extraction Strategies in Analytical Chemistry. <i>Analytical Chemistry</i> , 2020, 92, 2-15.	3.2	80
1470	Mechanistic Study on Surface Tension of Binary and Ternary Mixtures Containing Choline Chloride, Ethylene Glycol and Water (Components of Aqueous Solutions of a Deep Eutectic Solvent, Ethaline). <i>Zeitschrift Fur Physikalische Chemie</i> , 2020, 234, 399-413.	1.4	11
1471	New low viscous hydrophobic deep eutectic solvents in vortex-assisted liquid-liquid microextraction for the determination of phthalate esters from food-contacted plastics. <i>Food Chemistry</i> , 2020, 309, 125752.	4.2	66
1472	Deep eutectic solvents and their applications as green solvents. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2020, 21, 27-33.	3.2	264
1473	Ternary hydrophobic deep eutectic solvents for carbon dioxide absorption. <i>International Journal of Greenhouse Gas Control</i> , 2020, 92, 102839.	2.3	36
1474	Evaluation of solute-solvent interaction and phase separation for aqueous polymers solutions containing choline chloride/D-sucrose natural deep eutectic solvent through vapor-liquid equilibria, volumetric and acoustic studies. <i>Journal of Chemical Thermodynamics</i> , 2020, 142, 105963.	1.0	16
1475	Solubility and solvation behavior of some drugs in choline based deep eutectic solvents at different temperatures. <i>Journal of Molecular Liquids</i> , 2020, 297, 111799.	2.3	42
1476	Recyclable menthol-based deep eutectic solvent micellar system for extracting phytochemicals from <i>Ginkgo biloba</i> leaves. <i>Journal of Cleaner Production</i> , 2020, 244, 118648.	4.6	42
1477	Redox characteristics of iron ions in different deep eutectic solvents. <i>Ionics</i> , 2020, 26, 483-492.	1.2	25

#	ARTICLE	IF	CITATIONS
1478	Biomolecules extraction from coffee and cocoa by and products using deep eutectic solvents. Journal of the Science of Food and Agriculture, 2020, 100, 81-91.	1.7	52
1479	Thermophysical properties of choline chloride/urea deep eutectic solvent in aqueous solution at infinite dilution at T = 293.15–323.15 K. Journal of Thermal Analysis and Calorimetry, 2020, 139, 3603-3612.	2.0	15
1480	High electrochemical activity of a Ti/SnO ₂ -Sb electrode electrodeposited using deep eutectic solvent. Chemosphere, 2020, 239, 124715.	4.2	51
1481	Deep eutectic solvents composed of tetrabutylammonium bromide and PEG: Density, speed of sound and viscosity as a function of temperature. Journal of Chemical Thermodynamics, 2020, 140, 105897.	1.0	39
1482	Analysis of Thermophysical Properties of Deep Eutectic Solvents by Data Integration. Journal of Chemical & Engineering Data, 2020, 65, 1172-1179.	1.0	15
1483	Thermal conductivity of deep eutectic solvents. Journal of Thermal Analysis and Calorimetry, 2020, 140, 2633-2640.	2.0	30
1484	Electrodeposition of photovoltaic thin films from ionic liquids in ambient atmosphere: Gallium from a chloroaluminate ionic liquid. Journal of Electroanalytical Chemistry, 2020, 856, 113656.	1.9	8
1485	Aqueous two-phase systems based on deep eutectic solvents and their application in green separation processes. Journal of Separation Science, 2020, 43, 348-359.	1.3	53
1486	Ionic Liquids-Based Bitumen Extraction: Enabling Recovery with Environmental Footprint Comparable to Conventional Oil. ACS Sustainable Chemistry and Engineering, 2020, 8, 632-641.	3.2	21
1487	Modeling Alcohol Dehydrogenase Catalysis in Deep Eutectic Solvent/Water Mixtures. ChemBioChem, 2020, 21, 811-817.	1.3	28
1488	Natural Deep Eutectic Solvents as Performance Additives for Peroxygenase Catalysis. ChemCatChem, 2020, 12, 989-994.	1.8	26
1489	Hydrophobic deep eutectic solvents in microextraction techniques—A review. Microchemical Journal, 2020, 152, 104384.	2.3	251
1490	Recent advances and trends in miniaturized sample preparation techniques. Journal of Separation Science, 2020, 43, 202-225.	1.3	121
1491	Role of Hydrophilic Ammonium-Based Deep Eutectic Solvents in SO ₂ Absorption. Energy & Fuels, 2020, 34, 74-81.	2.5	29
1492	Starch treatment with deep eutectic solvents, ionic liquids and glycerol. A comparative study. Carbohydrate Polymers, 2020, 229, 115574.	5.1	46
1493	Functionalized nanomaterials for sample preparation methods. , 2020, , 375-413.		33
1494	From Molecular Precursors to Nanoparticles—Tailoring the Adsorption Properties of Porous Carbon Materials by Controlled Chemical Functionalization. Advanced Functional Materials, 2020, 30, 1908371.	7.8	57
1495	Electrodialytic removal of tungsten and arsenic from secondary mine resources—Deep eutectic solvents enhancement. Science of the Total Environment, 2020, 710, 136364.	3.9	38

#	ARTICLE	IF	CITATIONS
1496	Design and characterization of ascorbic acid based therapeutic deep eutectic solvent as a new ion-gel for delivery of sunitinib malate. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 56, 101512.	1.4	21
1497	Room-temperature dissolution and chemical modification of cellulose in aqueous tetraethylammonium hydroxide carbamide solutions. <i>Cellulose</i> , 2020, 27, 1933-1950.	2.4	34
1498	Solvophobicity and amphiphilic self-assembly in neoteric and nanostructured solvents. <i>Current Opinion in Colloid and Interface Science</i> , 2020, 45, 83-96.	3.4	17
1499	Oil-in-water emulsions based on hydrophobic eutectic systems. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 2181-2187.	1.3	12
1500	From deep eutectic solvents to deep band gap systems. <i>Journal of Molecular Liquids</i> , 2020, 301, 112441.	2.3	12
1501	MIL-100(Fe) and its derivatives: from synthesis to application for wastewater decontamination. <i>Environmental Science and Pollution Research</i> , 2020, 27, 4703-4724.	2.7	76
1502	Natural deep eutectic solvents as an efficient and reusable active system for the Nazarov cyclization. <i>Green Chemistry</i> , 2020, 22, 110-117.	4.6	42
1503	Deep eutectic solvents applied in the extraction and stabilization of rosemary (<i>Rosmarinus officinalis</i>) Tj ETQq1 1 0,784314 rgBT /Ovele 115	2.5	15
1504	A choline chloride-based deep eutectic solvent promoted three-component synthesis of tetrahydrobenzo[b]pyran and pyrano[2,3-d] pyrimidinone (thione) derivatives. <i>Journal of Molecular Structure</i> , 2020, 1205, 127652.	1.8	39
1505	Efficient Absorption of Low Partial Pressure SO ₂ by 1-Ethyl-3-methylimidazolium Chloride Plus N-Formylmorpholine Deep Eutectic Solvents. <i>Energy & Fuels</i> , 2020, 34, 665-671.	2.5	47
1506	Norharmane prototropism in choline chloride-based deep eutectic solvents. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 387, 112138.	2.0	5
1507	Feasibility of enhancing production of 5-hydroxymethylfurfural using deep eutectic solvents as reaction media in a high-pressure reactor. <i>Biochemical Engineering Journal</i> , 2020, 154, 107440.	1.8	19
1508	Bio-based benzoxazines synthesized in a deep eutectic solvent: A greener approach toward vesicular nanosystems. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 768-773.	1.4	12
1509	Deep eutectic solvents for biocatalytic transformations: focused lipase-catalyzed organic reactions. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1481-1496.	1.7	59
1510	Photochromic inorganic-organic complex derived from low-cost deep eutectic solvents with tunable photocurrent responses and photocatalytic properties. <i>CrystEngComm</i> , 2020, 22, 1078-1085.	1.3	18
1511	Non-humidified fuel cells using a deep eutectic solvent (DES) as the electrolyte within a polymer electrolyte membrane (PEM): the effect of water and counterions. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 2917-2929.	1.3	33
1512	Solvatochromic Parameters of Deep Eutectic Solvents: Effect of Different Carboxylic Acids as Hydrogen Bond Donor. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 640-646.	1.0	60
1513	Effect of Various Deep Eutectic Solvents on the Sustainable Synthesis of MgFe ₂ O ₄ Nanoparticles for Simultaneous Electrochemical Determination of Nitrofurantoin and 4-Nitrophenol. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1479-1486.	3.2	124

#	ARTICLE	IF	CITATIONS
1514	Atomically dispersed Eu(III) sites in natural deep eutectic solvents based fluorescent probe efficient identification of Fe ³⁺ and Cu ²⁺ in wastewater. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 229, 117874.	2.0	5
1515	Deep eutectic solvent: An efficient and green catalyst for the three-component condensation of indoles, aromatic aldehydes, and activated methylene compounds. <i>Tetrahedron Letters</i> , 2020, 61, 151481.	0.7	14
1516	Enhanced Conversion of Xylan into Furfural using Acidic Deep Eutectic Solvents with Dual Solvent and Catalyst Behavior. <i>ChemSusChem</i> , 2020, 13, 784-790.	3.6	63
1518	Electrochemical fabrication of cobalt films in a choline chloride/ethylene glycol deep eutectic solvent containing water. <i>Chemical Papers</i> , 2020, 74, 699-709.	1.0	21
1519	Modeling the effect of temperature on performance of an iron-vanadium redox flow battery with deep eutectic solvent (DES) electrolyte. <i>Journal of Power Sources</i> , 2020, 449, 227491.	4.0	29
1520	A green and simple procedure based on deep eutectic solvents for the extraction of phthalates from beverages. <i>Food Chemistry</i> , 2020, 312, 125798.	4.2	41
1521	Dehydration of 1-Butanol with a Deep Eutectic Solvent by Liquid-Liquid Extraction. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 846-855.	1.8	26
1522	Insight into Speciation and Electrochemistry of Uranyl Ions in Deep Eutectic Solvents. <i>Journal of Physical Chemistry B</i> , 2020, 124, 181-189.	1.2	26
1523	Perspectives and guidelines on thermodynamic modelling of deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2020, 298, 112183.	2.3	83
1524	New extraction media in microextraction techniques. A review of reviews. <i>Microchemical Journal</i> , 2020, 153, 104386.	2.3	57
1525	Thermo-rheological characterization of Malic Acid based Natural Deep Eutectic Solvents. <i>Science of the Total Environment</i> , 2020, 708, 134848.	3.9	19
1526	Deep eutectic solvent for lignocellulosic biomass fractionation and the subsequent conversion to bio-based products – A review. <i>Bioresource Technology</i> , 2020, 297, 122522.	4.8	155
1527	Entropy models for the description of the solid-liquid regime of deep eutectic solutions. <i>Journal of Molecular Liquids</i> , 2020, 302, 112155.	2.3	19
1528	Deep eutectic solvent promoted tunable synthesis of nitrogen-doped nanoporous carbons from enzymatic hydrolysis lignin for supercapacitors. <i>Materials Research Bulletin</i> , 2020, 123, 110708.	2.7	17
1529	In situ formation of thymol-based hydrophobic deep eutectic solvents: Application to antibiotics analysis in surface water based on liquid-liquid microextraction followed by liquid chromatography. <i>Journal of Chromatography A</i> , 2020, 1614, 460730.	1.8	69
1530	Hierarchical Co/ZIF-8 as an efficient catalyst for cycloaddition of CO ₂ and epoxide. <i>Microporous and Mesoporous Materials</i> , 2020, 294, 109917.	2.2	36
1531	Ultrasonication-assisted synthesis of alcohol-based deep eutectic solvents for extraction of active compounds from ginger. <i>Ultrasonics Sonochemistry</i> , 2020, 63, 104915.	3.8	75
1532	Applications of liquid-phase microextraction procedures to complex samples assisted by response surface methodology for optimization. <i>Microchemical Journal</i> , 2020, 152, 104436.	2.3	34

#	ARTICLE	IF	CITATIONS
1533	Efficient extraction and determination of prenylflavonol glycosides in <i>Epimedium pubescens</i> Maxim. using deep eutectic solvents. <i>Phytochemical Analysis</i> , 2020, 31, 375-383.	1.2	14
1534	Synthesis and Dissolution of Metal Oxides in Ionic Liquids and Deep Eutectic Solvents. <i>Molecules</i> , 2020, 25, 78.	1.7	71
1535	Antimicrobial properties of benzalkonium chloride derived polymerizable deep eutectic solvent. <i>International Journal of Pharmaceutics</i> , 2020, 575, 119005.	2.6	14
1536	A green and integrated strategy for enhanced phenolic compounds extraction from mulberry (<i>Morus</i>) Tj ETQq1 1 0,784314 rgBT /Ove	2.3	84
1537	Characterization and Analysis of Chromium Coating Electrodeposited on Brass in ChCl-EG Deep Eutectic Solvent. <i>International Journal of Electrochemical Science</i> , 2020, 15, 8960-8970.	0.5	2
1538	Novel Poly Deep Eutectic Solvents Based Supported Liquid Membranes for CO ₂ Capture. <i>Frontiers in Energy Research</i> , 2020, 8, .	1.2	23
1539	Review on Hydrometallurgical Recovery of Metals with Deep Eutectic Solvents. <i>Sustainable Chemistry</i> , 2020, 1, 238-255.	2.2	46
1540	Study on improvement of chiral separation of capillary electrophoresis based on cyclodextrin by deep eutectic solvents. <i>Talanta</i> , 2020, 220, 121419.	2.9	35
1541	Recent trends of micro and nanostructured conducting polymers in health and environmental applications. <i>Journal of Electroanalytical Chemistry</i> , 2020, 879, 114754.	1.9	16
1542	Sugar-urea-salt eutectic mixture as an efficient green solvent for N-alkylation of heterocyclic secondary amines. <i>Chemical Data Collections</i> , 2020, 29, 100536.	1.1	1
1543	Formulation of choline chloride/ascorbic acid natural deep eutectic solvent: Characterization, solubilization capacity and antioxidant property. <i>LWT - Food Science and Technology</i> , 2020, 133, 110096.	2.5	49
1544	Solvent dependency of carbon dioxide Henry's constant in aqueous solutions of choline chloride-ethylene glycol based deep eutectic solvent. <i>Journal of Molecular Liquids</i> , 2020, 319, 114173.	2.3	29
1545	Batch and Flow Nanomanufacturing of Large Quantities of Colloidal Silver and Gold Nanocrystals Using Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 14679-14689.	3.2	18
1546	A new application of deep eutectic solvent (DES) in fish preservation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 864, 012048.	0.3	1
1547	Application of Antimicrobial Polymers in the Development of Dental Resin Composite. <i>Molecules</i> , 2020, 25, 4738.	1.7	20
1548	Extraction of Thiophene, Pyridine, and Toluene from <i>n</i> -Decane as a Diesel Model Using Betaine-Based Natural Deep Eutectic Solvents. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 5443-5457.	1.0	36
1549	Investigation of Highly Efficient and Reversible Absorption of SO ₂ Using Ternary Functional Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16241-16251.	3.2	29
1550	Synthesis of low dimensional hierarchical transition metal oxides <i>via</i> a direct deep eutectic solvent calcining method for enhanced oxygen evolution catalysis. <i>Nanoscale</i> , 2020, 12, 20719-20725.	2.8	17

#	ARTICLE	IF	CITATIONS
1551	Enhancement of biomolecules solubility in aqueous media using designer solvents as additives: An experimental and COSMO-based models' approach. <i>Journal of Molecular Liquids</i> , 2020, 318, 114266.	2.3	24
1552	Hydrophobic functional liquids based on trioctylphosphine oxide (TOPO) and carboxylic acids. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 24744-24763.	1.3	19
1553	Solvatochromism in urea/water and urea-derivative/water solutions. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 25165-25176.	1.3	6
1554	New hydrophobic deep eutectic solvent for electrochemical applications. <i>Journal of Molecular Liquids</i> , 2020, 319, 114198.	2.3	16
1555	Viscosity of Choline Chloride-Based Deep Eutectic Solvents: Experiments and Modeling. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 5581-5592.	1.0	74
1556	Deep eutectic solvents in separations: Methods of preparation, polarity, and applications in extractions and capillary electrochromatography. <i>Journal of Chromatography A</i> , 2020, 1633, 461613.	1.8	97
1557	Simultaneous determination of curcuminoids in <i>Curcumae Longae Rhizoma</i> and turmeric tea using liquid-phase microextraction based on solidification of floating deep eutectic solvent drop. <i>Microchemical Journal</i> , 2020, 159, 105341.	2.3	22
1558	Electrodeposition of a mirror zinc coating from a choline chloride-ethylene glycol-based deep eutectic solvent modified with methyl nicotinate. <i>Journal of Electroanalytical Chemistry</i> , 2020, 876, 114737.	1.9	24
1559	Deep eutectic solvents vs ionic liquids: Similarities and differences. <i>Microchemical Journal</i> , 2020, 159, 105539.	2.3	243
1560	Solubility of acetaminophen in aqueous solutions of three natural deep eutectic solvents (NADESs) and individual components of the NADESs. <i>Journal of Molecular Liquids</i> , 2020, 316, 113867.	2.3	16
1561	Partial Viscosity Decoupling of Solute Solvation, Rotation, and Translation Dynamics in Lauric Acid/Menthol Deep Eutectic Solvent: Modulation of Dynamic Heterogeneity with Length Scale. <i>Journal of Physical Chemistry B</i> , 2020, 124, 6875-6884.	1.2	14
1562	A quick selection of natural deep eutectic solvents for the extraction of chlorogenic acid from <i>herba artemisiae scopariae</i> . <i>RSC Advances</i> , 2020, 10, 23403-23409.	1.7	21
1563	Novel benzilic acid-based deep-eutectic-solvents: Preparation and physicochemical properties determination. <i>Fluid Phase Equilibria</i> , 2020, 522, 112752.	1.4	24
1564	Understanding the Formation of Deep Eutectic Solvents: Betaine as a Universal Hydrogen Bond Acceptor. <i>ChemSusChem</i> , 2020, 13, 4916-4921.	3.6	68
1565	A novel aqueous gallic acid-based natural deep eutectic solvent for delignification of hybrid poplar and enhanced enzymatic hydrolysis of treated pulp. <i>Cellulose</i> , 2020, 27, 8301-8315.	2.4	23
1566	Eutectic Electrolytes as a Promising Platform for Next-Generation Electrochemical Energy Storage. <i>Accounts of Chemical Research</i> , 2020, 53, 1648-1659.	7.6	143
1567	Transport Mechanism of Acetamide in Deep Eutectic Solvents. <i>Journal of Physical Chemistry B</i> , 2020, 124, 1509-1520.	1.2	20
1568	Deep Eutectic Solvent Extraction of High-Purity Lignin from a Corn Stover Hydrolysate. <i>ChemSusChem</i> , 2020, 13, 4678-4690.	3.6	39

#	ARTICLE	IF	CITATIONS
1569	Fast and Chemoselective Addition of Highly Polarized Lithium Phosphides Generated in Deep Eutectic Solvents to Aldehydes and Epoxides. <i>ChemSusChem</i> , 2020, 13, 4967-4973.	3.6	26
1570	Theoretical and experimental study of choline chloride-carboxylic acid deep eutectic solvents and their hydrogen bonds. <i>Journal of Molecular Structure</i> , 2020, 1222, 128849.	1.8	69
1571	Biomass Fractionation and Lignin Fractionation towards Lignin Valorization. <i>ChemSusChem</i> , 2020, 13, 4284-4295.	3.6	188
1572	Computation of gas solubilities in choline chloride urea and choline chloride ethylene glycol deep eutectic solvents using Monte Carlo simulations. <i>Journal of Molecular Liquids</i> , 2020, 316, 113729.	2.3	31
1573	Pore-scale investigation of reactive transfer process in a deep eutectic solvent (DES) electrolyte-based vanadium-iron redox flow battery. <i>Electrochimica Acta</i> , 2020, 353, 136486.	2.6	21
1575	Vapor Pressure Assessment of Sulfolane-Based Eutectic Solvents: Experimental, PC-SAFT, and Molecular Dynamics. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10386-10397.	1.2	12
1576	Optimal Design of THEDES Based on Perillyl Alcohol and Ibuprofen. <i>Pharmaceutics</i> , 2020, 12, 1121.	2.0	18
1577	Hydrometallurgical Processes for the Recovery of Metals from Steel Industry By-Products: A Critical Review. <i>Journal of Sustainable Metallurgy</i> , 2020, 6, 505-540.	1.1	53
1578	Experiment and simulation for CO ₂ capture using low transition temperature mixtures as solvents. <i>International Journal of Greenhouse Gas Control</i> , 2020, 103, 103178.	2.3	4
1579	Deep Eutectic Solvent Promoted Regioselective Synthesis of Densely Functionalized Mono and Bisindolylalkenes from Ketodithioesters. <i>ChemistrySelect</i> , 2020, 5, 13351-13357.	0.7	1
1580	Possible dissolution mechanism of alkali lignin in lactic acid-choline chloride under mild conditions. <i>RSC Advances</i> , 2020, 10, 40649-40657.	1.7	12
1581	Elucidating the Role of Hydrogen Bond Donor and Acceptor on Solvation in Deep Eutectic Solvents Formed by Ammonium/Phosphonium Salts and Carboxylic Acids. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 18286-18296.	3.2	14
1582	Predicting the density and viscosity of hydrophobic eutectic solvents: towards the development of sustainable solvents. <i>Green Chemistry</i> , 2020, 22, 8511-8530.	4.6	84
1583	Tuning of Proanthocyanidin Extract's Composition through Quaternary Eutectic Solvents Extraction. <i>Antioxidants</i> , 2020, 9, 1124.	2.2	7
1584	Molecular approach about the effect of water on the electrochemical behaviour of Ag ⁺ ions in urea-choline chloride-water mixture. <i>Journal of Molecular Modeling</i> , 2020, 26, 339.	0.8	5
1585	Quaternary Ammonium based Eutectic Ionic Liquids (EILs) as absorbent for Sulfur Dioxide (SO ₂). <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 736, 022075.	0.3	1
1586	State-of-the-art advances and perspectives in the separation of biomass-derived 5-hydroxymethylfurfural. <i>Journal of Cleaner Production</i> , 2020, 276, 124219.	4.6	34
1587	Conversion of Nitrostyrenes to Naphthofurans via a Cascade Reaction with and Naphthols. <i>ChemistrySelect</i> , 2020, 5, 12582-12585.	0.7	7

#	ARTICLE	IF	CITATIONS
1588	Zeolite synthesis from low-cost materials and environmental applications: A review. <i>Environmental Advances</i> , 2020, 2, 100019.	2.2	144
1589	Extraction and Characterization of Antioxidant Peptides from Fruit Residues. <i>Foods</i> , 2020, 9, 1018.	1.9	17
1590	Deep eutectic solvent stabilised Co ^{II} films for electrocatalytic oxidation of 5-hydroxymethylfurfural into 2,5-furandicarboxylic acid. <i>New Journal of Chemistry</i> , 2020, 44, 14239-14245.	1.4	28
1591	Molecular Dynamics Simulations, Solvatochromic Parameters, and Preferential Solvation in Aqueous Solutions of Ethaline, Ethylene Glycol, and Choline Chloride. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 4556-4566.	1.0	17
1592	Towards an eco-friendly deconstruction of agro-industrial biomass and preparation of renewable cellulose nanomaterials: A review. <i>International Journal of Biological Macromolecules</i> , 2020, 161, 1414-1430.	3.6	79
1593	Molecular Features of Reline and Homologous Deep Eutectic Solvents Contributing to Nonideal Mixing Behavior. <i>Journal of Physical Chemistry B</i> , 2020, 124, 7586-7597.	1.2	15
1594	Investigation of a Lignin-Based Deep Eutectic Solvent Using <i>p</i> -Hydroxybenzoic Acid for Efficient Woody Biomass Conversion. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12542-12553.	3.2	83
1595	Recovery of yttrium and europium from spent fluorescent lamps using pure levulinic acid and the deep eutectic solvent levulinic acid ⁺ choline chloride. <i>RSC Advances</i> , 2020, 10, 28879-28890.	1.7	33
1596	Electrical conductivity of an all-natural and biocompatible semi-interpenetrating polymer network containing a deep eutectic solvent. <i>Green Chemistry</i> , 2020, 22, 5785-5797.	4.6	34
1597	A novel application of deep eutectic solvents in quantitative nuclear magnetic resonance using grey relational analysis for multi-response optimization. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2020, 206, 104125.	1.8	4
1598	Molecular Dynamics Insights and Water Stability of Hydrophobic Deep Eutectic Solvents Aided Extraction of Nitenpyram from an Aqueous Environment. <i>Journal of Physical Chemistry B</i> , 2020, 124, 7405-7420.	1.2	42
1599	Novel Acidic Deep Eutectic Solvent-Based Aqueous Biphasic Systems for Efficient Extraction of Pepsin. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12400-12408.	3.2	30
1600	Efficient Dissolution of Lithium-Ion Batteries Cathode LiCoO ₂ by Polyethylene Glycol-Based Deep Eutectic Solvents at Mild Temperature. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11713-11720.	3.2	91
1601	Synthesis of ion-conductive polymers by radical polymerization of deep eutectic monomers bearing quaternary ammonium groups with urea. <i>Polymer</i> , 2020, 204, 122803.	1.8	15
1602	Theoretical and Economic Evaluation of Low-Cost Deep Eutectic Solvents for Effective Biogas Upgrading to Bio-Methane. <i>Energies</i> , 2020, 13, 3379.	1.6	38
1603	Enhancement of Lignin Extraction of Poplar by Treatment of Deep Eutectic Solvent with Low Halogen Content. <i>Polymers</i> , 2020, 12, 1599.	2.0	6
1604	Facile synthesis of magnetite nanocubes using deep eutectic solvent: an insight to anticancer and photo-Fenton efficacy. <i>Surfaces and Interfaces</i> , 2020, 20, 100609.	1.5	11
1605	Depolymerization of holocellulose from Chinese herb residues by the mixture of lignin-derived deep eutectic solvent with water. <i>Carbohydrate Polymers</i> , 2020, 248, 116793.	5.1	10

#	ARTICLE	IF	CITATIONS
1606	Extraction of ethanol from mixtures with n-hexane by deep eutectic solvents of choline chloride + levulinic acid, + ethylene glycol, or + malonic acid. <i>Journal of Molecular Liquids</i> , 2020, 316, 113877.	2.3	9
1607	Effects of additives on the electrodeposition of Zn Sn alloys from choline chloride/ethylene glycol-based deep eutectic solvent. <i>Journal of Electroanalytical Chemistry</i> , 2020, 874, 114517.	1.9	28
1608	High CO ₂ absorption in new amine based-transition-temperature mixtures (deep eutectic analogues) and reporting thermal stability, viscosity and surface tension: Response surface methodology (RSM). <i>Journal of Molecular Liquids</i> , 2020, 316, 113863.	2.3	14
1609	Are There Magic Compositions in Deep Eutectic Solvents? Effects of Composition and Water Content in Choline Chloride/Ethylene Glycol from Ab Initio Molecular Dynamics. <i>Journal of Physical Chemistry B</i> , 2020, 124, 7433-7443.	1.2	94
1610	Purification of virus-like particles using aqueous biphasic systems composed of natural deep eutectic solvents. <i>Separation and Purification Technology</i> , 2020, 252, 117480.	3.9	22
1611	Sustainable synthesis of cyclodextrin-based polymers by exploiting natural deep eutectic solvents. <i>Green Chemistry</i> , 2020, 22, 5806-5814.	4.6	29
1612	A new type IV DES: a competent green catalyst and solvent for the synthesis of α,β -unsaturated diketones and dicyano compounds by Knoevenagel condensation reaction. <i>New Journal of Chemistry</i> , 2020, 44, 14723-14732.	1.4	19
1613	Montmorillonite K10: An Efficient Organo-Heterogeneous Catalyst for Synthesis of Benzimidazole Derivatives. <i>Catalysts</i> , 2020, 10, 845.	1.6	22
1614	Separation of isopropanol from its aqueous solution with deep eutectic solvents: liquid-liquid equilibrium measurement and thermodynamic modeling. <i>Brazilian Journal of Chemical Engineering</i> , 2020, 37, 569-576.	0.7	13
1615	Acumen into the effect of alcohols on choline chloride: L-lactic acid-based natural deep eutectic solvent (NADES): A spectral investigation unified with theoretical and thermophysical characterization. <i>Journal of Molecular Liquids</i> , 2020, 317, 113923.	2.3	31
1616	Deep Eutectic Solvent with Thermo-Switchable Hydrophobicity. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12516-12520.	3.2	52
1617	Ionic liquids, deep eutectic solvents and liquid polymers as green solvents in carbon capture technologies: a review. <i>Environmental Chemistry Letters</i> , 2020, 18, 2031-2054.	8.3	103
1618	Emerging Ionic Soft Materials Based on Deep Eutectic Solvents. <i>Journal of Physical Chemistry B</i> , 2020, 124, 8465-8478.	1.2	106
1619	Effect of microwave-assisted deep eutectic solvent pretreatment on lignocellulosic structure and bioconversion of wheat straw. <i>Cellulose</i> , 2020, 27, 8949-8962.	2.4	50
1620	Effective Sample Preparation of Polyphenols in Wine Using Deep Eutectic Solvent-based Dispersive Liquid-Liquid Microextraction <sc>HPLC-UV</sc> Determination. <i>Bulletin of the Korean Chemical Society</i> , 2020, 41, 1175-1183.	1.0	4
1621	Facile and rapid fractionation of bamboo wood with a p-toluenesulfonic acid-based three-constituent deep eutectic solvent. <i>Industrial Crops and Products</i> , 2020, 158, 113018.	2.5	33
1622	Chemical/Color Stability and Rheological Properties of Cyanidin-3-Glucoside in Deep Eutectic Solvents as a Gateway to Design Task-Specific Bioactive Compounds. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16184-16196.	3.2	12
1623	Molecular dynamics investigation of wetting/dewetting behavior of reline DES nanodroplet at model carbon material. <i>Journal of Chemical Physics</i> , 2020, 153, 164704.	1.2	11

#	ARTICLE	IF	CITATIONS
1624	Investigating the dissolution of iron sulfide and arsenide minerals in deep eutectic solvents. Hydrometallurgy, 2020, 198, 105511.	1.8	13
1625	Innovative Extraction Techniques Using Deep Eutectic Solvents and Analytical Methods for the Isolation and Characterization of Natural Bioactive Compounds from Plant Material. Plants, 2020, 9, 1428.	1.6	96
1626	An In Situ Scanning Tunneling Microscopy Study on the Electrochemical Interface between Au(111) and Ethaline Deep Eutectic Solvent. ChemElectroChem, 2020, 7, 4601-4605.	1.7	18
1627	Use of green solvents as pre-treatment of dissolving pulp to decrease CS ₂ consumption from viscose production. Cellulose, 2020, 27, 10313-10325.	2.4	3
1628	Liquidâ€“Liquid Extraction of Furfural from Water by Hydrophobic Deep Eutectic Solvents: Improvement of Density Function Theory Modeling with Experimental Validations. ACS Omega, 2020, 5, 22305-22313.	1.6	28
1629	Structureâ€“function relationships of deep eutectic solvents for lignin extraction and chemical transformation. Green Chemistry, 2020, 22, 7219-7232.	4.6	151
1630	Electrochemical Synthesis of Polypyrrole and Polypyrrole-Indomethacin Coatings on NiCr Alloys Involving Deep Eutectic Solvents. Metals, 2020, 10, 1130.	1.0	9
1631	Processing of Functional Composite Resins Using Deep Eutectic Solvent. Crystals, 2020, 10, 864.	1.0	7
1632	Choline-based eutectic mixtures as catalysts for effective synthesis of cyclic carbonates from epoxides and CO ₂ . Journal of CO ₂ Utilization, 2020, 42, 101302.	3.3	23
1633	Beneficiation of food processing by-products through extraction of bioactive compounds using neoteric solvents. LWT - Food Science and Technology, 2020, 134, 110263.	2.5	15
1634	Ionic Liquids Toxicityâ€“Benefits and Threats. International Journal of Molecular Sciences, 2020, 21, 6267.	1.8	169
1635	Do Deep Eutectic Solvents Form Uniform Mixtures Beyond Molecular Microheterogeneities?. Journal of Physical Chemistry B, 2020, 124, 9126-9135.	1.2	29
1636	Electrodeposition of Silver in a Ternary Deep Eutectic Solvent and the Electrochemical Sensing Ability of the Ag-Modified Electrode for Nitrofurazone. Langmuir, 2020, 36, 11358-11365.	1.6	25
1637	Solvation and transport of lithium ions in deep eutectic solvents. Journal of Chemical Physics, 2020, 153, 104505.	1.2	17
1638	Secondary Bioactive Metabolites from Plant-Derived Food Byproducts through Ecopharmacognostic Approaches: A Bound Phenolic Case Study. Plants, 2020, 9, 1060.	1.6	6
1639	Recent Trends in Processing of Proteins and DNA in Alternative Solvents: A Sustainable Approach. Sustainable Chemistry, 2020, 1, 116-137.	2.2	23
1640	Simulation of Deep Eutectic Solventsâ€™ Interaction with Membranes of Cancer Cells Using COSMO-RS. Journal of Physical Chemistry B, 2020, 124, 9086-9094.	1.2	15
1641	Thermal Conductivities of Choline Chloride-Based Deep Eutectic Solvents and Their Mixtures with Water: Measurement and Estimation. Molecules, 2020, 25, 3816.	1.7	20

#	ARTICLE	IF	CITATIONS
1642	Liquid Structure of Single and Mixed Cation Alkylammonium Bromide Urea Deep Eutectic Solvents. <i>Journal of Physical Chemistry B</i> , 2020, 124, 8651-8664.	1.2	11
1643	Replacement strategies for non-green dipolar aprotic solvents. <i>Green Chemistry</i> , 2020, 22, 6240-6257.	4.6	102
1644	Nanolubrication in deep eutectic solvents. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 20253-20264.	1.3	26
1645	Exploring the acidic catalytic role of differently structured deep eutectic solvents in the aza-Michael addition of amines to 2-vinylpyridine. <i>Monatshefte für Chemie</i> , 2020, 151, 1387-1394.	0.9	2
1646	Extraction of Flavonoids from <i>Scutellariae Radix</i> using Ultrasound-Assisted Deep Eutectic Solvents and Evaluation of Their Anti-Inflammatory Activities. <i>ACS Omega</i> , 2020, 5, 23140-23147.	1.6	46
1647	Natural Deep Eutectics as a "Green" Cellulose Cosolvent. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 14166-14178.	3.2	33
1648	Aqueous Co-Solvent in Zwitterionic-Based Protic Ionic Liquids as Electrolytes in 2.0 V Supercapacitors. <i>ChemSusChem</i> , 2020, 13, 5983-5995.	3.6	8
1649	Phytomass Valorization by Deep Eutectic Solvents—Achievements, Perspectives, and Limitations. <i>Crystals</i> , 2020, 10, 800.	1.0	10
1650	Deep Eutectic Solvent Assisted Dispersion of Carbon Nanotubes in Water. <i>Frontiers in Chemistry</i> , 2020, 8, 808.	1.8	16
1651	An amplified electrochemical sensor employing a polymeric film and graphene quantum dots/multiwall carbon nanotubes in a deep eutectic solvent for sensitive analysis of paracetamol and 4-aminophenol. <i>New Journal of Chemistry</i> , 2020, 44, 15742-15751.	1.4	19
1652	Recent Application of Deep Eutectic Solvents as Green Solvent in Dispersive Liquid-Liquid Microextraction of Trace Level Chemical Contaminants in Food and Water. <i>Critical Reviews in Analytical Chemistry</i> , 2022, 52, 504-518.	1.8	33
1653	Electrochemical Surface Treatment to Enhance Corrosion Resistance and Bioresistance of Medical-Grade Stainless Steels. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 5985-5994.	1.2	7
1654	Applications of deep eutectic solvents to quantitative analyses of pharmaceuticals and pesticides in various matrices: a brief review. <i>Archives of Pharmacal Research</i> , 2020, 43, 900-919.	2.7	15
1655	Use of Ionic Liquids and Deep Eutectic Solvents in Polysaccharides Dissolution and Extraction Processes towards Sustainable Biomass Valorization. <i>Molecules</i> , 2020, 25, 3652.	1.7	99
1656	High-Fidelity Hydrogel Thin Films Processed from Deep Eutectic Solvents. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43191-43200.	4.0	8
1657	Deep eutectic solvents as sustainable antistatic coating agent for cyclotetramethylenetetranitramine to reduce charge-accumulations. <i>Journal of Electrostatics</i> , 2020, 108, 103519.	1.0	1
1658	Meta-analysis of viscosity of aqueous deep eutectic solvents and their components. <i>Scientific Reports</i> , 2020, 10, 21395.	1.6	31
1659	Heterogeneous dynamics, correlated time and length scales in ionic deep eutectics: Anion and temperature dependence. <i>Journal of Chemical Physics</i> , 2020, 153, 234502.	1.2	15

#	ARTICLE	IF	CITATIONS
1660	Absorption of Toluene Using Deep Eutectic Solvents: Quantum Chemical Calculations and Experimental Investigation. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 22605-22618.	1.8	38
1661	Insight into the Deep Eutectic Solvent Extraction Mechanism of Flavonoids from Natural Plant. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 19169-19177.	3.2	44
1662	NiO/TiO ₂ Functional Composite Coatings Deposited from an Electrolyte Based on a Choline-Containing Ionic Liquid. <i>Russian Journal of Applied Chemistry</i> , 2020, 93, 1525-1532.	0.1	4
1663	Optimization of Nazarov Cyclization of 2,4-Dimethyl-1,5-diphenylpenta-1,4-dien-3-one in Deep Eutectic Solvents by a Design of Experiments Approach. <i>Molecules</i> , 2020, 25, 5726.	1.7	7
1664	Microextraction Techniques with Deep Eutectic Solvents. <i>Molecules</i> , 2020, 25, 6026.	1.7	54
1665	Estimation of Thermodynamic Properties and Phase Equilibria in Systems of Deep Eutectic Solvents by PC-SAFT EoS. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 22292-22300.	1.8	21
1666	Physicochemical Properties of Choline Chloride-Based Deep Eutectic Solvents with Polyols: An Experimental and Theoretical Investigation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 18712-18728.	3.2	44
1667	New Trends in C-C Cross-Coupling Reactions: The Use of Unconventional Conditions. <i>Molecules</i> , 2020, 25, 5506.	1.7	27
1668	Kraft Lignin Solubility and Its Chemical Modification in Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 18577-18589.	3.2	48
1669	Tetraethylammonium Acetate and Tetraethylammonium Bromide-Based Deep Eutectic Solvents as Thermodynamic CO ₂ Gas Hydrate Inhibitors. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6794.	1.3	7
1670	Deep eutectic solvent in water pickering emulsions stabilised by cellulose nanofibrils. <i>RSC Advances</i> , 2020, 10, 37023-37027.	1.7	8
1671	Microstructure of Deep Eutectic Solvents: Current Understanding and Challenges. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10601-10616.	1.2	88
1672	Synthesis of Mannich-type derivatives from amides activated by hydrogen bonding with ZnCl ₂ . <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 9095-9099.	1.5	9
1673	A Review of the Use of Eutectic Solvents, Terpenes and Terpenoids in Liquid-Liquid Extraction Processes. <i>Processes</i> , 2020, 8, 1220.	1.3	27
1674	Protic ionic liquid-based deep eutectic solvents with multiple hydrogen bonding sites for efficient absorption of NH ₃ . <i>AIChE Journal</i> , 2020, 66, e16253.	1.8	50
1675	Thermodynamic Study of Choline Chloride-Based Deep Eutectic Solvents with Water and Methanol. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 2446-2457.	1.0	65
1676	Carbon dioxide adsorption using biomass-based activated carbon functionalized with deep eutectic solvents. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 778, 012169.	0.3	2
1677	Biorefinery of high polymerization degree proanthocyanidins in the context of circular economy. <i>Industrial Crops and Products</i> , 2020, 151, 112450.	2.5	21

#	ARTICLE	IF	CITATIONS
1678	Drug encapsulation and chiral recognition in deep eutectic solvents/ β -cyclodextrin mixtures. <i>Journal of Molecular Liquids</i> , 2020, 311, 113279.	2.3	19
1679	Assessing the Location of Ionic and Molecular Solutes in a Molecularly Heterogeneous and Nonionic Deep Eutectic Solvent. <i>Journal of Physical Chemistry B</i> , 2020, 124, 4762-4773.	1.2	10
1680	Choline chloride-based deep eutectic solvents (Ch-DESs) as promising green solvents for phenolic compounds extraction from bioresources: state-of-the-art, prospects, and challenges. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 2949-2962.	2.9	38
1681	An expedient synthesis of new imino-thiazolidinone grafted dispiro-pyrrolidine-oxindole/indeno hybrids via a multicomponent [3+2] cycloaddition reaction in a deep eutectic solvent. <i>New Journal of Chemistry</i> , 2020, 44, 7923-7931.	1.4	12
1682	Fluorescence Quenching by Nitro Compounds within a Hydrophobic Deep Eutectic Solvent. <i>Journal of Physical Chemistry B</i> , 2020, 124, 4164-4173.	1.2	17
1683	Modeling the Physicochemical Properties of Natural Deep Eutectic Solvents. <i>ChemSusChem</i> , 2020, 13, 3789-3804.	3.6	84
1684	Bioactive Phenolic Compounds From Agri-Food Wastes: An Update on Green and Sustainable Extraction Methodologies. <i>Frontiers in Nutrition</i> , 2020, 7, 60.	1.6	208
1685	Biosynthesis of Alanyl-Histidine Dipeptide Catalyzed by Papain Immobilized on Magnetic Nanocrystalline Cellulose in Deep Eutectic Solvents. <i>Applied Biochemistry and Biotechnology</i> , 2020, 192, 573-584.	1.4	9
1686	Combined Extractive Dearomatization, Desulfurization, and Denitrogenation of Oil Fuels Using Deep Eutectic Solvents: A Parametric Study. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 11723-11733.	1.8	34
1687	The Curious Case of Hydrophobic Deep Eutectic Solvents: A Story on the Discovery, Design, and Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .	3.2	63
1688	Aqueous solutions of deep eutectic systems as reaction media for the saccharification and fermentation of hardwood xylan into xylitol. <i>Bioresource Technology</i> , 2020, 311, 123524.	4.8	32
1689	Iron(III) chloride and acetamide eutectic for the electrodeposition of iron and iron based alloys. <i>Electrochimica Acta</i> , 2020, 351, 136414.	2.6	13
1690	Novel two-pot approach ultrasonication and deep eutectic solvent pretreatments for watermelon rind delignification: Parametric screening and optimization via response surface methodology. <i>Energy</i> , 2020, 203, 117872.	4.5	44
1691	Tuning the Partition Behavior of PEG-Based Aqueous Biphasic Systems Using Cholinium Chloride. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 11022-11030.	1.8	5
1692	Green and simple extraction of free seleno-amino acids from powdered and lyophilized milk samples with natural deep eutectic solvents. <i>Food Chemistry</i> , 2020, 326, 126965.	4.2	22
1693	Removal of chlorophenols from aqueous media with hydrophobic deep eutectic solvents: Experimental study and COSMO RS evaluation. <i>Journal of Molecular Liquids</i> , 2020, 311, 113180.	2.3	60
1694	The study of extent of interactions between components of natural deep eutectic solvents in the presence of water through isopiestic investigations. <i>Journal of Molecular Liquids</i> , 2020, 311, 113347.	2.3	14
1695	Smart advanced solvents for bioactive compounds recovery from agri-food by-products: A review. <i>Trends in Food Science and Technology</i> , 2020, 101, 182-197.	7.8	99

#	ARTICLE	IF	CITATIONS
1696	A simple model for the viscosities of deep eutectic solvents. <i>Fluid Phase Equilibria</i> , 2020, 521, 112662.	1.4	44
1697	ATR-IR spectroscopy for rapid quantification of water content in deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2020, 311, 113361.	2.3	28
1698	Near-zero-waste processing of low-grade, complex primary ores and secondary raw materials in Europe: technology development trends. <i>Resources, Conservation and Recycling</i> , 2020, 160, 104919.	5.3	114
1699	Environmentally Benign Large-Scale Synthesis of a Precursor to Vortioxetine. <i>Synthesis</i> , 2020, 52, 2662-2666.	1.2	4
1700	Ionic liquidâ€‘based green processes for ammonia separation and recovery. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2020, 25, 100354.	3.2	18
1701	Deep Eutectic Supramolecular Polymers: Bulk Supramolecular Materials. <i>Angewandte Chemie</i> , 2020, 132, 11969-11973.	1.6	8
1702	Ionic liquids for coal dissolution, extraction and liquefaction. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 2301-2310.	1.6	16
1703	Deep eutectic solvent in separation and preconcentration of organic and inorganic species. , 2020, , 381-423.		3
1704	Extraction of pyridine from n-alkane mixtures using methyltriphenylphosphonium bromide-based deep eutectic solvents as extractive denitrogenation agents. <i>Fluid Phase Equilibria</i> , 2020, 517, 112622.	1.4	31
1705	Design and evaluation of polarity controlled and recyclable deep eutectic solvent based biphasic system for the polarity driven extraction and separation of compounds. <i>Journal of Cleaner Production</i> , 2020, 268, 122306.	4.6	94
1706	Temperature-controlled liquidâ€‘liquid microextraction using a biocompatible hydrophobic deep eutectic solvent for microextraction of palladium from catalytic converter and road dust samples prior to ETAAS determination. <i>Microchemical Journal</i> , 2020, 157, 104999.	2.3	41
1707	Macroporous Polyacrylamide Î³-Fe ₂ O ₃ Nanoparticle Composites as Methylene Blue Dye Adsorbents. <i>ACS Applied Nano Materials</i> , 2020, 3, 5794-5806.	2.4	14
1708	Separation of phenolic compounds from oil mixtures by betaineâ€‘based deep eutectic solvents. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2020, 15, e2515.	0.8	24
1709	Molecular insight on ion hydration and association in aqueous choline chloride solutions. <i>Journal of Molecular Liquids</i> , 2020, 313, 113563.	2.3	8
1710	Design of Nonideal Eutectic Mixtures Based on Correlations with Molecular Properties. <i>Journal of Physical Chemistry B</i> , 2020, 124, 5209-5219.	1.2	16
1711	Preparation of 5-HMF in a DES/Ethyl N-Butyrate Two-Phase System. <i>Catalysts</i> , 2020, 10, 636.	1.6	19
1712	Study on the Desulfurization and Regeneration Performance of Functional Deep Eutectic Solvents. <i>ACS Omega</i> , 2020, 5, 15353-15361.	1.6	34
1713	Efficacious and environmentally friendly deep eutectic solvent-based liquid-phase microextraction for speciation of Cr(III) and Cr(VI) ions in food and water samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 4331-4343.	1.8	10

#	ARTICLE	IF	CITATIONS
1714	Green and enhanced extraction of coumarins from <i>Cortex Fraxini</i> by ultrasound-assisted deep eutectic solvent extraction. <i>Journal of Separation Science</i> , 2020, 43, 3441-3448.	1.3	18
1715	Prediction of Electrical Conductivity of Deep Eutectic Solvents Using COSMO-RS Sigma Profiles as Molecular Descriptors: A Quantitative Structure-Property Relationship Study. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 13343-13354.	1.8	92
1716	Taurine/Choline Chloride Deep Eutectic Solvent as a Novel Eco-Compatible Catalyst to Facilitate the Multi-Component Synthesis of Pyrano[2,3-d]Pyrimidinone (Thione), Hexahydroquinoline, and Biscoumarin Derivatives. <i>Polycyclic Aromatic Compounds</i> , 2020, , 1-22.	1.4	19
1717	Recent Progress of Cu-Catalyzed Azide-Alkyne Cycloaddition Reactions (CuAAC) in Sustainable Solvents: Glycerol, Deep Eutectic Solvents, and Aqueous Media. <i>Molecules</i> , 2020, 25, 2015.	1.7	52
1718	Choline chloride-based deep eutectic solvents as green extractant for the efficient extraction of 1-butanol or 2-butanol from azeotropic n-heptane + butanol mixtures. <i>Journal of Molecular Liquids</i> , 2020, 313, 113524.	2.3	27
1719	NiCo ₂ O ₄ Nano-/Microstructures as High-Performance Biosensors: A Review. <i>Nano-Micro Letters</i> , 2020, 12, 122.	14.4	62
1720	Hydroxyl-Rich Deep Eutectic Solvents Assistant Synthesis of VPO and Its Application in Selective Oxidation of n-Butane. <i>ChemistrySelect</i> , 2020, 5, 6907-6917.	0.7	13
1721	Effects of thiol substitution in deep-eutectic solvents (DESs) as solvents for metal oxides. <i>RSC Advances</i> , 2020, 10, 23484-23490.	1.7	15
1722	Production of lignin-containing cellulose nanofibers using deep eutectic solvents for UV-absorbing polymer reinforcement. <i>Carbohydrate Polymers</i> , 2020, 246, 116548.	5.1	82
1723	Deep Eutectic Solvents Based on Natural Ascorbic Acid Analogues and Choline Chloride. <i>ChemistryOpen</i> , 2020, 9, 559-567.	0.9	13
1724	Stimulus-Mediated Ultrastable Radical Formation. <i>CheM</i> , 2020, 6, 1819-1830.	5.8	28
1725	A study of non-ideal mixtures of ethanol and the (1 choline chloride +2 ethylene glycol) deep eutectic solvent for their volumetric behaviour. <i>Journal of Chemical Thermodynamics</i> , 2020, 150, 106219.	1.0	15
1726	Extractive desulfurization of fuels using diglycol based deep eutectic solvents. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104182.	3.3	40
1727	Thin-layer chromatography with eutectic mobile phases—preliminary results. <i>Journal of Chromatography A</i> , 2020, 1621, 461044.	1.8	21
1728	How Does Addition of Lithium Salt Influence the Structure and Dynamics of Choline Chloride-Based Deep Eutectic Solvents?. <i>Journal of Physical Chemistry B</i> , 2020, 124, 2864-2878.	1.2	25
1729	Experimental investigation on the volumetric properties of mixtures of the deep eutectic solvent of Ethaline and methanol in the temperature range of 283.15 to 323.15 K. <i>Journal of Chemical Thermodynamics</i> , 2020, 147, 106124.	1.0	17
1730	Bio-Solvents: Synthesis, Industrial Production and Applications. , 2020, , .		1
1731	Effect of water on the electrodeposition of copper from a deep eutectic solvent. <i>Journal of Applied Electrochemistry</i> , 2020, 50, 699-712.	1.5	29

#	ARTICLE	IF	CITATIONS
1733	Towards the use of eco-friendly solvents as adjuvants in remediation processes. Journal of Molecular Liquids, 2020, 305, 112824.	2.3	13
1734	Complete Solvation Dynamics of Coumarin 153 in Tetraalkylammonium Bromide-Based Deep Eutectic Solvents. Journal of Physical Chemistry B, 2020, 124, 2473-2481.	1.2	11
1735	Sulphur-induced electrochemical synthesis of manganese nanoflakes from choline chloride/ethylene glycol-based deep eutectic solvent. Electrochimica Acta, 2020, 341, 136017.	2.6	7
1736	The Electrodeposition of Amorphous/Nanocrystalline Ni-Cr Alloys from ChCl-EG Deep Eutectic Solvent. Journal of the Electrochemical Society, 2020, 167, 062502.	1.3	10
1737	Morphological Control of Nanostructured V ₂ O ₅ by Deep Eutectic Solvents. ACS Applied Materials & Interfaces, 2020, 12, 18803-18812.	4.0	27
1738	Aluminium electrodeposition under novel conditions from AlCl ₃ -urea deep eutectic solvent at room temperature. Transactions of Nonferrous Metals Society of China, 2020, 30, 823-834.	1.7	24
1739	Hydrophobic borneol-based natural deep eutectic solvents as a green extraction media for air-assisted liquid-liquid micro-extraction of warfarin in biological samples. Journal of Chromatography A, 2020, 1621, 461030.	1.8	32
1740	DESign of Sustainable One-Pot Chemoenzymatic Organic Transformations in Deep Eutectic Solvents for the Synthesis of 1,2-Disubstituted Aromatic Olefins. Frontiers in Chemistry, 2020, 8, 139.	1.8	23
1741	A general model for the surface tensions of deep eutectic solvents. Journal of Molecular Liquids, 2020, 307, 112972.	2.3	30
1742	Highly Efficient p-Toluenesulfonic Acid-Based Deep-Eutectic Solvents for Cathode Recycling of Li-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2020, 8, 5437-5445.	3.2	83
1743	Non-ionic hydrophobic eutectics – versatile solvents for tailored metal separation and valorisation. Green Chemistry, 2020, 22, 2810-2820.	4.6	67
1744	Using dialkyl amide <i>via</i> forming hydrophobic deep eutectic solvents to separate citric acid from fermentation broth. Green Chemistry, 2020, 22, 2526-2533.	4.6	22
1745	Restructuring a Deep Eutectic Solvent by Water: The Nanostructure of Hydrated Choline Chloride/Urea. Journal of Chemical Theory and Computation, 2020, 16, 3335-3342.	2.3	78
1746	Encapsulation of β -Carotene by Emulsion Electro spraying Using Deep Eutectic Solvents. Molecules, 2020, 25, 981.	1.7	25
1747	Design of Deep Eutectic Systems: A Simple Approach for Preselecting Eutectic Mixture Constituents. Molecules, 2020, 25, 1077.	1.7	53
1748	Phase behavior of aqueous solutions of ethaline deep eutectic solvent. Journal of Molecular Liquids, 2020, 304, 112701.	2.3	24
1749	First investigation of liposomes behavior and phospholipids organization in choline chloride-based deep eutectic solvents by atomic force microscopy. Journal of Molecular Liquids, 2020, 306, 112851.	2.3	4
1750	Eutectic hardener from food-based chemicals to obtain fully bio-based and durable thermosets. Green Chemistry, 2020, 22, 3104-3110.	4.6	14

#	ARTICLE	IF	CITATIONS
1751	Combination of organocatalytic oxidation of alcohols and organolithium chemistry (RLi) in aqueous media, at room temperature and under aerobic conditions. <i>Chemical Communications</i> , 2020, 56, 8932-8935.	2.2	17
1752	Basics and advances in sampling and sample preparation. , 2020, , 3-31.		2
1753	One-Pot Synthesis and Antioxidant Properties of Highly Substituted Piperidine Derivatives Promoted by Choline Chloride/Urea. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 1560-1569.	1.4	3
1754	Effect of Urea as Electrolyte Additive for Stabilization of Lithium Metal Electrodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11123-11132.	3.2	17
1755	Extraction of adipic, levulinic and succinic acids from water using TOPO-based deep eutectic solvents. <i>Separation and Purification Technology</i> , 2020, 241, 116692.	3.9	45
1756	Enzymatic Synthesis of Glucose Monodecanoate in a Hydrophobic Deep Eutectic Solvent. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4342.	1.8	31
1757	Emerging seaweed extraction techniques using ionic liquids. , 2020, , 287-311.		6
1758	Feasibility of TEMPO-functionalized imidazolium, ammonium and pyridinium salts as redox-active carriers in ethaline deep eutectic solvent for energy storage. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 1147-1157.	1.7	13
1759	<i>In vitro</i> toxicity assessment and enhanced drug solubility profile of green deep eutectic solvent derivatives (DESDs) combined with theoretical validation. <i>RSC Advances</i> , 2020, 10, 24063-24072.	1.7	29
1760	Further Extending the Dilution Range of the "Solvent-in-DES" Regime upon the Replacement of Water by an Organic Solvent with Hydrogen Bond Capabilities. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12120-12131.	3.2	20
1761	Synthesis cyclic carbonates with BmimCl-based ternary deep eutectic solvents system. <i>Journal of CO2 Utilization</i> , 2020, 40, 101250.	3.3	21
1762	Choline chloride-urea deep eutectic solvent as an efficient media for the synthesis of propargylamines via organocuprate intermediate. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5895.	1.7	16
1763	High capacity oil absorbent wood prepared through eco-friendly deep eutectic solvent delignification. <i>Chemical Engineering Journal</i> , 2020, 401, 126150.	6.6	93
1764	A green - high throughput "extraction method based on hydrophobic natural deep eutectic solvent for the determination of emerging contaminants in water by high performance liquid chromatography " diode array detection. <i>Journal of Chromatography A</i> , 2020, 1626, 461377.	1.8	23
1765	Bioanalysis of pharmaceuticals using liquid-phase microextraction combined with liquid chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 189, 113446.	1.4	51
1766	Formation and <i>In Vitro</i> Evaluation of a Deep Eutectic Solvent Conversion Film on Biodegradable Magnesium Alloy. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33315-33324.	4.0	13
1767	Physical absorption of CO2 in betaine/carboxylic acid-based Natural Deep Eutectic Solvents. <i>Journal of Molecular Liquids</i> , 2020, 315, 113708.	2.3	30
1768	Expanding the Potential Role of Deep Eutectic Solvents toward Facilitating the Structural and Thermal Stability of \pm -Chymotrypsin. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 10151-10160.	3.2	40

#	ARTICLE	IF	CITATIONS
1769	Generalized Model to Estimate the Refractive Indices of Deep Eutectic Solvents. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 3965-3976.	1.0	14
1770	Deep eutectic solvent-based hollow fiber liquid-phase microextraction for quantification of Q-markers of cinnamic acid derivatives in traditional Chinese medicines and research of their plasma protein binding rates. <i>Microchemical Journal</i> , 2020, 155, 104696.	2.3	20
1771	Structural Features of β -Cyclodextrin Solvation in the Deep Eutectic Solvent, Reline. <i>Journal of Physical Chemistry B</i> , 2020, 124, 2652-2660.	1.2	23
1772	Kinetic Studies of Photopolymerization of Monomer-Containing Deep Eutectic Solvents. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 1900511.	1.1	17
1773	Preparation of levofloxacin-imprinted nanoparticles using designed deep eutectic solvents for the selective removal of levofloxacin pollutants from environmental waste water. <i>Analyst</i> , The, 2020, 145, 2958-2965.	1.7	28
1774	Cation-bioimprinted mesoporous polysaccharide/sol-gel composites prepared in media containing choline chloride-based deep eutectic solvents. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48842.	1.3	4
1775	A Base-Free Pd-Precatalyst Mediated Suzuki-Miyaura and Sonogashira Cross-Coupling in Deep Eutectic Solvents. <i>ChemistrySelect</i> , 2020, 5, 2610-2617.	0.7	13
1776	Development of deep eutectic solvent extraction method for extraction of Zn ²⁺ from powdered milk and baby formula samples and its determination by ICP-OES. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 1359-1367.	1.2	4
1777	Carbon and carbon composites obtained using deep eutectic solvents and aqueous dilutions thereof. <i>Chemical Communications</i> , 2020, 56, 3592-3604.	2.2	22
1778	A comprehensive study of the thermophysical properties of reline and hydrated reline. <i>Journal of Molecular Liquids</i> , 2020, 303, 112679.	2.3	51
1779	Aqueous biphasic systems formed by hydrophilic and hydrophobic deep eutectic solvents for the partitioning of dyes. <i>Talanta</i> , 2020, 213, 120839.	2.9	39
1780	High-strength cellulose nanofibers produced via swelling pretreatment based on a choline chloride-imidazole deep eutectic solvent. <i>Green Chemistry</i> , 2020, 22, 1763-1775.	4.6	65
1781	Selective recovery of zinc from goethite residue in the zinc industry using deep-eutectic solvents. <i>RSC Advances</i> , 2020, 10, 7328-7335.	1.7	34
1782	Electrodeposition of chromium on single-crystal electrodes from solutions of Cr(II) and Cr(III) salts in ionic liquids. <i>Journal of Electroanalytical Chemistry</i> , 2020, 860, 113892.	1.9	14
1783	Deep eutectic solvents for pharmaceutical formulation and drug delivery applications. <i>Pharmaceutical Development and Technology</i> , 2020, 25, 779-796.	1.1	111
1784	Biodiesel purification in microextractors: Choline chloride based deep eutectic solvents vs water. <i>Separation and Purification Technology</i> , 2020, 242, 116783.	3.9	27
1785	An Expedient Four Component Synthesis of Substituted Pyrido-Pyrimidine Heterocycles in Glycerol:Proline Based Low Transition Temperature Mixture and Their Antioxidant Activity with Molecular Docking Studies. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 137-155.	1.4	10
1786	Cyclodextrins: from solute to solvent. <i>Chemical Communications</i> , 2020, 56, 3385-3388.	2.2	47

#	ARTICLE	IF	CITATIONS
1787	Knoevenagel Condensation and Michael Addition in Bio-Renewable Deep Eutectic Solvent: Facile Synthesis of a Library of Bis-enol Derivatives. <i>ChemistrySelect</i> , 2020, 5, 799-803.	0.7	17
1788	The one-pot four-component eco-friendly synthesis of spirooxindoles in deep eutectic solvent. <i>Journal of Chemical Sciences</i> , 2020, 132, 1.	0.7	13
1789	UZnCl ₂ -DES assisted synthesis of phenolic resin-based carbon aerogels for capacitors. <i>Journal of Porous Materials</i> , 2020, 27, 789-800.	1.3	23
1790	Deep eutectic solvents. , 2020, , 123-177.		6
1791	Deep eutectic solvent-based headspace single-drop microextraction for the quantification of terpenes in spices. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 933-948.	1.9	48
1792	Acid-base-governed deep eutectic solvent-based microextraction combined with magnetic solid-phase extraction for determination of phenolic compounds. <i>Mikrochimica Acta</i> , 2020, 187, 124.	2.5	25
1793	Innovative Approaches for Recovery of Phytoconstituents from Medicinal/Aromatic Plants and Biotechnological Production. <i>Molecules</i> , 2020, 25, 309.	1.7	57
1794	How frictional response during solute solvation controls solute rotation in naturally abundant deep eutectic solvent (NADES)? A case study with amino acid derivative containing DES. <i>Journal of Molecular Liquids</i> , 2020, 303, 112451.	2.3	14
1795	Deep eutectic solvents assisted synthesis of MgAl layered double hydroxide with enhanced adsorption toward anionic dyes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 591, 124507.	2.3	27
1796	Structural Properties and Hydrogen-Bonding Interactions in Binary Mixtures Containing a Deep-Eutectic Solvent and Acetonitrile. <i>Journal of Physical Chemistry B</i> , 2020, 124, 1229-1239.	1.2	36
1797	Terpene-Based Natural Deep Eutectic Systems as Efficient Solvents To Recover Astaxanthin from Brown Crab Shell Residues. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 2246-2259.	3.2	66
1798	Superbase Ionic Liquid-Based Deep Eutectic Solvents for Improving CO ₂ Absorption. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 2523-2530.	3.2	110
1799	Perspective Semi-Solid Electrolytes Based on Deep Eutectic Solvents: Opportunities and Future Directions. <i>Journal of the Electrochemical Society</i> , 2020, 167, 070511.	1.3	34
1800	Study on the Dissolution Mechanism of Cellulose by ChCl-Based Deep Eutectic Solvents. <i>Materials</i> , 2020, 13, 278.	1.3	62
1801	Review Electrochemical and SERS Sensors for Cultural Heritage Diagnostics and Conservation: Recent Advances and Prospects. <i>Journal of the Electrochemical Society</i> , 2020, 167, 037548.	1.3	21
1802	Systems Analysis of SO ₂ -CO ₂ Co-Capture from a Post-Combustion Coal-Fired Power Plant in Deep Eutectic Solvents. <i>Energies</i> , 2020, 13, 438.	1.6	8
1803	Study on Corrosion Resistance of Zn-Al Alloy Coated with Zeolitic Imidazolate Framework-67 Film in 3.5wt.% NaCl Solution. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 1043-1050.	1.2	7
1804	Extraction of benzoylurea pesticides from tea and fruit juices using deep eutectic solvents. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1140, 121995.	1.2	35

#	ARTICLE	IF	CITATIONS
1805	Deep Eutectic Solvent Reline at 2D Nanomaterial Interfaces. <i>Journal of Physical Chemistry B</i> , 2020, 124, 1197-1206.	1.2	22
1806	Deep Eutectic Solvents as Media for the Prebiotic DNA-Templated Synthesis of Peptides. <i>Frontiers in Chemistry</i> , 2020, 8, 41.	1.8	8
1807	Green aerobic oxidative desulfurization of diesel by constructing an Fe-Anderson type polyoxometalate and benzene sulfonic acid-based deep eutectic solvent biomimetic cycle. <i>Chinese Journal of Catalysis</i> , 2020, 41, 868-876.	6.9	36
1808	Effective delignification of lignocellulosic biomass by microwave assisted deep eutectic solvents. <i>Bioresource Technology</i> , 2020, 303, 122897.	4.8	98
1809	Application of Deep Eutectic Solvents for the Extraction of Rutin and Rosmarinic Acid from <i>Satureja montana</i> L. and Evaluation of the Extracts Antiradical Activity. <i>Plants</i> , 2020, 9, 153.	1.6	21
1810	Methanolysis of polycarbonate into valuable product bisphenol A using choline chloride-based deep eutectic solvents as highly active catalysts. <i>Chemical Engineering Journal</i> , 2020, 388, 124324.	6.6	39
1811	Immobilized lipase-CLEA aggregates encapsulated in lentikats® as robust biocatalysts for continuous processes in deep eutectic solvents. <i>Journal of Biotechnology</i> , 2020, 310, 97-102.	1.9	39
1812	Measurement and correlation of thermophysical properties in aqueous solutions of some novel bio-based deep eutectic solvents (lactic acid/amino acids) at T = (298.15 to 313.15) K. <i>Journal of Chemical Thermodynamics</i> , 2020, 144, 106051.	1.0	16
1813	Deep eutectic solvents consisting of 1-ethyl-3-methylimidazolium chloride and glycerol derivatives for highly efficient and reversible SO ₂ capture. <i>Journal of Molecular Liquids</i> , 2020, 302, 112538.	2.3	43
1814	Extraction of Alkaloids from <i>Coptidis Rhizoma</i> via Betaine-Based Deep Eutectic Solvents. <i>ChemistrySelect</i> , 2020, 5, 4973-4978.	0.7	15
1815	Potential use of deep eutectic solvents (DESSs) to enhance anhydrous proton conductivity of Nafion 115® membrane for fuel cell applications. <i>Journal of Membrane Science</i> , 2020, 611, 118217.	4.1	40
1816	A grand avenue to integrate deep eutectic solvents into biomass processing. <i>Biomass and Bioenergy</i> , 2020, 137, 105550.	2.9	57
1817	Choline chloride/Oxalic acid (ChCl/Oxa) catalyzed one-pot synthesis of novel azo and sulfonated pyrimido[4,5-b]quinoline derivatives. <i>Dyes and Pigments</i> , 2020, 180, 108453.	2.0	13
1818	Enhanced surfactant production using glycerol-based deep eutectic solvent as a novel reaction medium for enzymatic glycerolysis of soybean oil. <i>Industrial Crops and Products</i> , 2020, 151, 112470.	2.5	20
1819	Energy Conservation in Absorption Refrigeration Cycles Using DES as a New Generation of Green Absorbents. <i>Entropy</i> , 2020, 22, 409.	1.1	14
1820	A Global Model for the Estimation of Speeds of Sound in Deep Eutectic Solvents. <i>Molecules</i> , 2020, 25, 1626.	1.7	8
1821	Amine functionalized deep eutectic solvent for CO ₂ capture: Measurements and modeling. <i>Journal of Molecular Liquids</i> , 2020, 309, 113159.	2.3	64
1822	Involvement of Deep Eutectic Solvents in Extraction by Molecularly Imprinted Polymers—A Minireview. <i>Crystals</i> , 2020, 10, 217.	1.0	10

#	ARTICLE	IF	CITATIONS
1823	Influence of Carboxylate Anions on Phase Behavior of Choline Ionic Liquid Mixtures. <i>Molecules</i> , 2020, 25, 1691.	1.7	10
1824	Palladium electrochemistry in the choline chloride-urea deep eutectic solvent at gold and glassy carbon electrodes. <i>Electrochimica Acta</i> , 2020, 345, 136165.	2.6	13
1825	Multivariate analysis of the process of deep eutectic solvent pretreatment of lignocellulosic biomass. <i>Industrial Crops and Products</i> , 2020, 150, 112363.	2.5	22
1826	Effect of deep eutectic solvents hydrogen bond acceptor on the anhydrous proton conductivity of Nafion membrane for fuel cell applications. <i>Journal of Membrane Science</i> , 2020, 605, 118116.	4.1	29
1827	Estimation of the heat capacities of deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2020, 307, 112940.	2.3	29
1828	Synthesis of natural deep eutectic solvents using a mixture design for extraction of animal and plant samples prior to ICP-MS analysis. <i>Talanta</i> , 2020, 216, 120956.	2.9	31
1829	Experimental Study and Modeling of Bubble Point of Aqueous Mixtures of Deep Eutectic Solvents Based on Dicarboxylic Acids and Choline Chloride. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 2743-2750.	1.0	5
1830	Silica Gel Impregnated by Deep Eutectic Solvents for Adsorptive Removal of BTEX from Gas Streams. <i>Materials</i> , 2020, 13, 1894.	1.3	17
1831	Band-Gap Energies of Choline Chloride and Triphenylmethylphosphoniumbromide-Based Systems. <i>Molecules</i> , 2020, 25, 1495.	1.7	15
1832	Fast and Efficient Method to Evaluate the Potential of Eutectic Solvents to Dissolve Lignocellulosic Components. <i>Sustainability</i> , 2020, 12, 3358.	1.6	12
1833	Liquefying Compounds by Forming Deep Eutectic Solvents: A Case Study for Organic Acids and Alcohols. <i>Journal of Physical Chemistry B</i> , 2020, 124, 4174-4184.	1.2	25
1834	Thermodynamic properties and activity coefficients at infinite dilution for different solutes in deep eutectic solvent: 1-butyl-3-methylimidazolium chloride+glycerol. <i>Journal of Molecular Liquids</i> , 2020, 311, 113216.	2.3	27
1835	Synthesis and thermophysical properties of ethylammonium chloride-glycerol-ZnCl ₂ ternary deep eutectic solvent. <i>Journal of Molecular Liquids</i> , 2020, 310, 113232.	2.3	29
1836	Key process parameters for deep eutectic solvents pretreatment of lignocellulosic biomass materials: A review. <i>Bioresource Technology</i> , 2020, 310, 123416.	4.8	174
1837	Novel betaine-amino acid based natural deep eutectic solvents for enhancing the enzymatic hydrolysis of corncob. <i>Bioresource Technology</i> , 2020, 310, 123389.	4.8	53
1838	Experimental and predicted physicochemical properties of monopropanolamine-based deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2020, 309, 113110.	2.3	50
1839	Ultrasound-accelerated covalent-functionalization of reduced graphene oxide with imidazolium-based poly(ionic liquid)s by Diels-Alder click reaction for supercapacitors. <i>Reactive and Functional Polymers</i> , 2020, 152, 104605.	2.0	15
1840	Crystallization from Volatile Deep Eutectic Solvents. <i>Crystal Growth and Design</i> , 2020, 20, 2877-2884.	1.4	24

#	ARTICLE	IF	CITATIONS
1841	Brillouin Spectroscopy as a Suitable Technique for the Determination of the Eutectic Composition in Mixtures of Choline Chloride and Water. <i>Journal of Physical Chemistry B</i> , 2020, 124, 4002-4009.	1.2	24
1842	Enhanced Extraction of Levodopa from <i>Mucuna pruriens</i> Seeds Using Aqueous Solutions of Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 6682-6689.	3.2	12
1843	Lithium salt/amide-based deep eutectic electrolytes for lithium-ion batteries: electrochemical, thermal and computational study. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 8853-8863.	1.3	43
1844	Choline Chloride Based Natural Deep Eutectic Solvents as Extraction Media for Extracting Phenolic Compounds from Chokeberry (<i>Aronia melanocarpa</i>). <i>Molecules</i> , 2020, 25, 1619.	1.7	39
1845	Deep Eutectic Supramolecular Polymers: Bulk Supramolecular Materials. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11871-11875.	7.2	112
1846	Synthesis and characterization of green menthol-based low transition temperature mixture with tunable thermophysical properties as hydrophobic low viscosity solvent. <i>Journal of Molecular Liquids</i> , 2020, 308, 113015.	2.3	31
1847	Ternary deep eutectic solvents catalyzed d-glucosamine self-condensation to deoxyfructosazine: NMR study. <i>Green Energy and Environment</i> , 2021, 6, 261-270.	4.7	18
1848	Development and applications of deep eutectic solvent derived functional materials in chromatographic separation. <i>Journal of Separation Science</i> , 2021, 44, 1098-1121.	1.3	42
1849	Design of highly stretchable deep eutectic solvent-based ionic gel electrolyte with high ionic conductivity by the addition of zwitterion ion dissociators for flexible supercapacitor. <i>Polymer Engineering and Science</i> , 2021, 61, 154-166.	1.5	34
1850	Deep eutectic solvents. The new generation of green solvents in analytical chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 134, 116108.	5.8	125
1851	Effect of temperature on the mechanisms and kinetics of cobalt electronucleation and growth onto glassy carbon electrode using reline deep eutectic solvent. <i>Journal of Electroanalytical Chemistry</i> , 2021, 880, 114823.	1.9	5
1852	Deep eutectic solvents—Teaching nature lessons that it knew already. <i>Advances in Botanical Research</i> , 2021, 97, 1-16.	0.5	6
1853	Unconventional Biocatalytic Approaches to the Synthesis of Chiral Sulfoxides. <i>ChemBioChem</i> , 2021, 22, 298-307.	1.3	22
1854	Structure and properties of two glucose-based deep eutectic systems. <i>Food Chemistry</i> , 2021, 336, 127717.	4.2	16
1855	Designing a biocatalytic process involving deep eutectic solvents. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 14-30.	1.6	45
1856	Recent advances in ionic liquids-based hybrid processes for CO ₂ capture and utilization. <i>Journal of Environmental Sciences</i> , 2021, 99, 281-295.	3.2	127
1857	A Carboxyl-Functionalized Covalent Organic Framework Synthesized in a Deep Eutectic Solvent for Dye Adsorption. <i>Chemistry - A European Journal</i> , 2021, 27, 2692-2698.	1.7	45
1858	Natural acidic deep eutectic solvent to obtain cellulose nanocrystals using the design of experience approach. <i>Carbohydrate Polymers</i> , 2021, 252, 117136.	5.1	32

#	ARTICLE	IF	CITATIONS
1859	A review on the environment-friendly emerging techniques for pretreatment of lignocellulosic biomass: Mechanistic insight and advancements. <i>Chemosphere</i> , 2021, 264, 128523.	4.2	174
1860	Simultaneous dearomatization, desulfurization, and denitrogenation of diesel fuels using acidic deep eutectic solvents as extractive agents: A parametric study. <i>Separation and Purification Technology</i> , 2021, 256, 117861.	3.9	48
1861	Electrodeposition of nano Ni-Co alloy with (220) preferred orientation from choline chloride-urea: Electrochemical behavior and nucleation mechanism. <i>Journal of Alloys and Compounds</i> , 2021, 853, 157158.	2.8	19
1862	Development of magnetic dispersive micro-solid phase extraction based on magnetic agarose nanoparticles and deep eutectic solvents for the isolation and pre-concentration of three flavonoids in edible natural samples. <i>Talanta</i> , 2021, 222, 121649.	2.9	30
1863	Optimization and kinetic study of ultrasound assisted deep eutectic solvent based extraction: A greener route for extraction of curcuminoids from <i>Curcuma longa</i> . <i>Ultrasonics Sonochemistry</i> , 2021, 70, 105267.	3.8	96
1864	Fe-Co coatings electrodeposited from eutectic mixture of choline chloride-urea: Physical characterizations and evaluation as electrocatalysts for the hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2021, 851, 156330.	2.8	10
1865	The role of ionic vs. non-ionic excipients in APIs-based eutectic systems. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 156, 105583.	1.9	10
1866	Insight into the Estimation of Equilibrium CO ₂ Absorption by Deep Eutectic Solvents using Computational Approaches. <i>Separation Science and Technology</i> , 2021, 56, 2351-2368.	1.3	11
1867	Wood delignification with aqueous solutions of deep eutectic solvents. <i>Industrial Crops and Products</i> , 2021, 160, 113128.	2.5	42
1868	Green extraction of Glycyrrhizic acid from <i>Glycyrrhiza glabra</i> using choline chloride based natural deep eutectic solvents (NADESs). <i>Process Biochemistry</i> , 2021, 102, 22-32.	1.8	38
1869	Deep Eutectic Solvent Choline Chloride/ <i>p</i> -toluenesulfonic Acid and Water Favor the Enthalpy-Driven Binding of Arylamines to Maleimide in Aza-Michael Addition. <i>Journal of Organic Chemistry</i> , 2021, 86, 223-234.	1.7	11
1870	Deep eutectic solvent-assisted synthesis of polyaniline by laccase enzyme. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 1107-1115.	1.6	7
1871	Preparation of thermoresponsive hydrogels via polymerizable deep eutectic monomer solvents. <i>Polymer Chemistry</i> , 2021, 12, 254-264.	1.9	16
1872	Deep eutectic solvent containing 2-(3-hydroxy-1-methylbut-2-enylideneamino)pyridine-3-ol immobilized on magnetic graphene oxide as a selective sorbent for dispersive micro-solid phase extraction of cadmium ions. <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 1311-1319.	1.2	6
1873	Electromembrane extraction using deep eutectic solvents as the liquid membrane. <i>Analytica Chimica Acta</i> , 2021, 1143, 109-116.	2.6	57
1874	Azeotropic separation of isopropanol-water using natural hydrophobic deep eutectic solvents. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104786.	3.3	24
1875	Intensified DES mediated ultrasound extraction of tannic acid from onion peel. <i>Journal of Food Engineering</i> , 2021, 296, 110437.	2.7	19
1876	A controlled, highly effective and sustainable approach to the surface performance improvement of wool fibers. <i>Journal of Molecular Liquids</i> , 2021, 322, 114952.	2.3	13

#	ARTICLE	IF	CITATIONS
1877	Deep eutectic solvent-based clean-up/vortex-assisted emulsification liquid-liquid microextraction: Application for multi-residue analysis of 16 pesticides in olive oils. <i>Talanta</i> , 2021, 225, 121983.	2.9	26
1878	Interactions of water and amphiphiles with deep eutectic solvent nanostructures. <i>Advances in Botanical Research</i> , 2021, 97, 41-68.	0.5	12
1879	Degradation kinetics modeling of antioxidant compounds from the wastes of <i>Mangifera pajang</i> fruit in aqueous and choline chloride/ascorbic acid natural deep eutectic solvent. <i>Journal of Food Engineering</i> , 2021, 294, 110401.	2.7	12
1880	Synthesis and physicochemical properties of the mixtures based on choline acetate or choline chloride. <i>Journal of Molecular Liquids</i> , 2021, 327, 114820.	2.3	8
1881	Lactic acid-based deep natural eutectic solvents for the extraction of bioactive metabolites of <i>Humulus lupulus</i> L.: Supramolecular organization, phytochemical profiling and biological activity. <i>Separation and Purification Technology</i> , 2021, 264, 118039.	3.9	42
1882	Sustainable ultrasound-assisted extraction of valuable phenolics from inflorescences of <i>Helichrysum arenarium</i> L. using natural deep eutectic solvents. <i>Industrial Crops and Products</i> , 2021, 160, 113102.	2.5	34
1883	Ultra-stretchable, Self-healing, Conductive, and Transparent PAA/DES Ionic Gel. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2000445.	2.0	31
1884	Deep eutectic solvents cross-linked molecularly imprinted chitosan microsphere for the micro-solid phase extraction of <i>p</i> -hydroxybenzoic acid from pear rind. <i>Journal of Separation Science</i> , 2021, 44, 549-556.	1.3	7
1885	Strong and highly stretchable ionic conductive elastomer based on hydrogen bonding. <i>Composites Science and Technology</i> , 2021, 201, 108559.	3.8	7
1886	Ammonium chloride effects on bismuth electrodeposition in a choline chloride-urea deep eutectic solvent. <i>Electrochimica Acta</i> , 2021, 367, 137481.	2.6	11
1887	Quantitative structure-property relationship for melting and freezing points of deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2021, 321, 114744.	2.3	26
1888	Extraction of platinum(IV) by hydrophobic deep eutectic solvents based on trioctylphosphine oxide. <i>Hydrometallurgy</i> , 2021, 199, 105521.	1.8	28
1889	Deep eutectic solvents in membrane science and technology: Fundamental, preparation, application, and future perspective. <i>Separation and Purification Technology</i> , 2021, 258, 118015.	3.9	74
1890	Deep eutectic solvents (DESs): A short overview of the thermophysical properties and current use as base fluid for heat transfer nanofluids. <i>Journal of Molecular Liquids</i> , 2021, 321, 114752.	2.3	40
1891	Enhancement of curcumin solubility by some choline chloride-based deep eutectic solvents at different temperatures. <i>Fluid Phase Equilibria</i> , 2021, 532, 112917.	1.4	23
1892	Deep eutectic solvent-based continuous sample drop flow microextraction combined with electrothermal atomic absorption spectrometry for speciation and determination of chromium ions in aqueous samples. <i>Microchemical Journal</i> , 2021, 162, 105834.	2.3	13
1893	Suitability of non-conventional reaction medium for biocatalysis: From lipase activity to thermophysical characterization. <i>Journal of Molecular Liquids</i> , 2021, 322, 114960.	2.3	6
1894	The study and application of biomolecules in deep eutectic solvents. <i>Journal of Materials Chemistry B</i> , 2021, 9, 536-566.	2.9	46

#	ARTICLE	IF	CITATIONS
1895	Cross-linking behavior of eutectic hardeners from natural acid mixtures. <i>Green Chemistry</i> , 2021, 23, 536-545.	4.6	6
1896	Deep Eutectic Solvents: A Review of Fundamentals and Applications. <i>Chemical Reviews</i> , 2021, 121, 1232-1285.	23.0	1,334
1897	Evaluation of COSMO-RS for solid-liquid equilibria prediction of binary eutectic solvent systems. <i>Green Energy and Environment</i> , 2021, 6, 371-379.	4.7	41
1898	Toward the Next Generation of Sustainable Membranes from Green Chemistry Principles. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 50-75.	3.2	110
1899	Deep eutectic solvents as non-traditionally multifunctional media for the desulfurization process of fuel oil. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 785-805.	1.3	21
1900	High volatility of superbase-derived eutectic solvents used for CO ₂ capture. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 2193-2210.	1.3	19
1901	Natural deep eutectic solvents: Hypothesis for their possible roles in cellular functions and interaction with membranes and other organized biological systems. <i>Advances in Botanical Research</i> , 2021, , 133-158.	0.5	11
1902	The presence of deep eutectic solvents of reline and glyceline on interaction and side effect of anti-cancer drug of 5-fluorouracil: Bovine liver catalase as a target. <i>Journal of Molecular Liquids</i> , 2021, 323, 114588.	2.3	10
1903	Micellar characteristics of an amphiphilic star-block copolymer in DES-water mixture. <i>Colloid and Polymer Science</i> , 2021, 299, 117-128.	1.0	11
1904	Density, ultrasonic velocity, viscosity, refractive index and surface tension of aqueous choline chloride with electrolyte solutions. <i>Journal of Molecular Liquids</i> , 2021, 323, 114593.	2.3	22
1905	A look on target-specificity of eutectic systems based on natural bioactive compounds. <i>Advances in Botanical Research</i> , 2021, 97, 271-307.	0.5	8
1906	An efficiency strategy for extraction and recovery of ellagic acid from waste chestnut shell and its biological activity evaluation. <i>Microchemical Journal</i> , 2021, 160, 105616.	2.3	34
1907	Speciation and determination of chromium by ultrasound-assisted deep eutectic solvent liquid-liquid microextraction followed by flame atomic absorption spectrometry. <i>Chemical Papers</i> , 2021, 75, 717-724.	1.0	9
1908	Iodine-catalyzed synthesis of β -uramino crotonic esters as well as oxidative esterification of carboxylic acids in choline chloride/urea: a desirable alternative to organic solvents. <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 445-455.	1.2	3
1909	Application of choline chloride deep eutectic solvents and high-speed counter-current chromatography to the extraction and purification of flavonoids from the thorns of <i>Gleditsia sinensis</i> Lam. <i>Phytochemical Analysis</i> , 2021, 32, 457-465.	1.2	12
1910	Nanoconfined deep eutectic solvent in laminated MXene for efficient CO ₂ separation. <i>Chemical Engineering Journal</i> , 2021, 405, 126961.	6.6	56
1911	New aspects of deep eutectic solvents: extraction, pharmaceutical applications, as catalyst and gas capture. <i>Chemical Papers</i> , 2021, 75, 439-453.	1.0	29
1912	Deep Eutectic Solvent Mediated One-Pot Synthesis of Hydrazinyl-4-Phenyl-1,3-Thiazoles. <i>Polycyclic Aromatic Compounds</i> , 2021, 41, 1012-1019.	1.4	14

#	ARTICLE	IF	CITATIONS
1913	Potential Application of Ionic Liquids and Deep Eutectic Solvents in Reduction of Industrial CO ₂ Emissions. , 2021, , 643-673.		0
1914	Novel and Efficient Lignin Fractionation Processes for Tailing Lignin-Based Materials. , 2021, , 363-387.		0
1915	Novel N,Cl-doped deep eutectic solvents-based carbon dots as a selective fluorescent probe for determination of morphine in food. RSC Advances, 2021, 11, 16805-16813.	1.7	15
1916	Development of New Hydrophobic Deep Eutectic Solvents Based on Trioctylphosphine Oxide for Reactive Extraction of Carboxylic Acids. Industrial & Engineering Chemistry Research, 2021, 60, 1356-1365.	1.8	27
1917	Eutectic solvents with tuneable hydrophobicity: lipid dissolution and recovery. RSC Advances, 2021, 11, 8142-8149.	1.7	9
1918	Solvent Assisted Dyeing of Silk Fabric Using Deep Eutectic Solvent as a Swelling Agent. Fibers and Polymers, 2021, 22, 405-411.	1.1	7
1919	Prototropic forms of hydroxy derivatives of naphthoic acid within deep eutectic solvents. Physical Chemistry Chemical Physics, 2021, 23, 9096-9108.	1.3	2
1920	Environmentally Friendly Solvents for Sample Preparation in Foodomics. , 2021, , 536-565.		1
1921	Current status of solvents used in the pharmaceutical industry. , 2021, , 195-219.		7
1922	Comprehensive understanding of the roles of water molecules in aqueous Zn-ion batteries: from electrolytes to electrode materials. Energy and Environmental Science, 2021, 14, 3796-3839.	15.6	257
1923	Choline chloride-based deep eutectic solvents as effective electrolytes for dye-sensitized solar cells. RSC Advances, 2021, 11, 21560-21566.	1.7	23
1924	A current overview of the oxidative desulfurization of fuels utilizing heat and solar light: from materials design to catalysis for clean energy. Nanoscale Horizons, 2021, 6, 588-633.	4.1	53
1925	Electrochemical Nucleation and Growth Mechanism of Aluminum on AZ31 Magnesium Alloys. Coatings, 2021, 11, 46.	1.2	3
1926	Thermal properties and cold crystallization kinetics of deep eutectic solvents confined in nanopores. Physical Chemistry Chemical Physics, 2021, 23, 13785-13788.	1.3	4
1927	Deep Eutectic Solvents as Catalysts for Upgrading Biomass. Catalysts, 2021, 11, 178.	1.6	32
1928	Greener, Faster, Stronger: The Benefits of Deep Eutectic Solvents in Polymer and Materials Science. Polymers, 2021, 13, 447.	2.0	77
1929	De-glycosylation and enhanced bioactivity of flavonoids from apple pomace during extraction with deep eutectic solvents. Green Chemistry, 2021, 23, 7199-7209.	4.6	16
1930	Suzuki-Miyaura Cross Coupling Reaction in Various Green Media. Asian Journal of Chemistry, 2021, 33, 1976-1984.	0.1	3

#	ARTICLE	IF	CITATIONS
1932	Evaluation of the antimicrobial performance of menthol and menthol-based deep eutectic solvents as potential future antibiotic. E3S Web of Conferences, 2021, 287, 02010.	0.2	3
1933	Green Processes in Foodomics. Green Solvents for Sustainable Processes. , 2021, , 690-709.		2
1934	The Role of Glycerol and Its Derivatives in the Biochemistry of Living Organisms, and Their Prebiotic Origin and Significance in the Evolution of Life. Catalysts, 2021, 11, 86.	1.6	14
1935	HKUST-1 MOF in reline deep eutectic solvent: synthesis and phase transformation. Dalton Transactions, 2021, 50, 4145-4151.	1.6	21
1936	Deep eutectic solvents: alternative reaction media for organic oxidation reactions. Reaction Chemistry and Engineering, 2021, 6, 582-598.	1.9	57
1937	Deep eutectic solvents: A greener approach towards biorefineries. , 2021, , 193-219.		7
1938	A Theoretical Study on Terpene-Based Natural Deep Eutectic Solvent: Relationship between Viscosity and Hydrogen Bonding Interactions. Global Challenges, 2021, 5, 2000103.	1.8	24
1939	Î ² -glucosidase from <i>Streptomyces griseus</i> : Ester hydrolysis and alkyl glucoside synthesis in the presence of Deep Eutectic Solvents. Current Research in Green and Sustainable Chemistry, 2021, 4, 100129.	2.9	13
1940	Heterogeneity in hydrophobic deep eutectic solvents: SAXS prepeak and local environments. Physical Chemistry Chemical Physics, 2021, 23, 3915-3924.	1.3	29
1941	Developments in extraction, purification, and structural elucidation of proanthocyanidins (2000-2019). Studies in Natural Products Chemistry, 2021, 68, 347-391.	0.8	12
1942	Applications of green solvents in toxic gases removal. , 2021, , 149-201.		4
1943	Biosolvents as green solvents in the pharmaceutical industry. , 2021, , 105-149.		1
1944	Green solvents for drug synthesis. , 2021, , 55-86.		1
1945	Some applications of deep eutectic solvents in alkylation of heterocyclic compounds: A review of the past 10 years. Heterocyclic Communications, 2021, 27, 45-56.	0.6	7
1946	Deep eutectic solvents for the preparation and post-synthetic modification of metal- and covalent organic frameworks. CrystEngComm, 2021, 23, 5016-5032.	1.3	28
1947	Efficient extraction of bioactive flavonoids from <i>Celtis sinensis</i> leaves using deep eutectic solvent as green media. RSC Advances, 2021, 11, 17924-17935.	1.7	3
1948	Structural evolution of iron forming iron oxide in a deep eutectic-solvothermal reaction. Nanoscale, 2021, 13, 1723-1737.	2.8	14
1949	Technologies and Extraction Methods of Polyphenolic Compounds Derived from Pomegranate (<i>Punica</i>) Tj ETQq1 1 0,784314,rgBT /Over 1.3 3P		3

#	ARTICLE	IF	CITATIONS
1950	A catalytic and solvent-free approach for the synthesis of diverse functionalized dipyrromethanes (DPMs) and calix[4]pyrroles (C4Ps). <i>Green Chemistry</i> , 2021, 23, 5849-5855.	4.6	30
1951	Microwave-assisted Natural Deep Eutectic Solvents Pretreatment Followed by Hydrodistillation Coupled with GC-MS for Analysis of Essential Oil from Turmeric (&i&t;Curcuma longa&/i&t; L.). <i>Journal of Oleo Science</i> , 2021, 70, 1481-1494.	0.6	14
1952	Selective separation of lactic, malic, and tartaric acids based on the hydrophobic deep eutectic solvents of terpenes and amides. <i>Green Chemistry</i> , 2021, 23, 5866-5874.	4.6	25
1953	Deep eutectic solvent assisted zero-waste electrospinning of lignin fiber aerogels. <i>Green Chemistry</i> , 2021, 23, 6065-6075.	4.6	14
1954	Triethanolamineâsodium acetate as a novel deep eutectic solvent for promotion of tetrahydrodipyrzolo-pyridines synthesis under microwave irradiation. <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 2181.	1.2	6
1955	The Impact of Water on the Lateral Nanostructure of a Deep Eutectic SolventâSolid Interface. <i>Australian Journal of Chemistry</i> , 2022, 75, 111-125.	0.5	7
1956	On the role of water in the hydrogen bond network in DESs: an ab initio molecular dynamics and quantum mechanical study on the ureaâbetaine system. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 1994-2004.	1.3	6
1957	One-Pot Domino Henry-Friedel-Crafts Alkylation Reaction in Deep Eutectic Solvent. <i>Chinese Journal of Organic Chemistry</i> , 2021, 41, 325.	0.6	6
1958	Challenges and Opportunities. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2021, , 89-93.	0.2	2
1959	Comparison of Deep Eutectic Solvents and Ionic Liquids. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2021, , 81-87.	0.2	1
1960	Synthesis of 2,4-disubstituted quinazolines promoted by deep eutectic solvent. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100130.	2.9	5
1961	Deep eutectic solvent mediated controlled and selective oxidation of organic sulfides and hydroxylation of arylboronic acids. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100107.	2.9	2
1962	Biobased poly(ester-<i>co</i>-glycoside) from reactive natural Brânsted acidic deep eutectic solvent analogue. <i>Polymer Chemistry</i> , 2021, 12, 5485-5494.	1.9	2
1963	Can the microscopic and macroscopic transport phenomena in deep eutectic solvents be reconciled?. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 22854-22873.	1.3	10
1964	Hydrophobicity-switchable deep eutectic solvent-based effervescence-assisted dispersive liquidâliquid microextraction with solidification of floating droplets for HPLC determination of anthraquinones in fried Cassia semen tea infusions. <i>Analytical Methods</i> , 2021, 13, 4739-4746.	1.3	12
1965	Unravelling the nature of citric acid:<sc>l</sc>-arginine:water mixtures: the bifunctional role of water. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 1706-1717.	1.3	20
1966	Effect of solute polarity on extraction efficiency using deep eutectic solvents. <i>Green Chemistry</i> , 2021, 23, 5097-5105.	4.6	28
1967	Silica gel-immobilised chiral 1,2-benzenedisulfonimide: a Brânsted acid heterogeneous catalyst for enantioselective multicomponent Passerini reaction. <i>RSC Advances</i> , 2021, 11, 26083-26092.	1.7	10

#	ARTICLE	IF	CITATIONS
1968	Thermal conductivity of aqueous solutions of reline, ethaline, and glyceline deep eutectic solvents; a molecular dynamics simulation study. <i>Molecular Physics</i> , 2021, 119, .	0.8	13
1969	Accurate and sensitive determination of cobalt in urine samples using deep eutectic solvent-assisted magnetic colloidal gel-based dispersive solid phase extraction prior to slotted quartz tube equipped flame atomic absorption spectrometry. <i>Chemical Papers</i> , 2021, 75, 2937-2944.	1.0	11
1970	Fest und fest macht flüssig. <i>Nachrichten Aus Der Chemie</i> , 2021, 69, 47-49.	0.0	0
1971	Weavable Transparent Conductive Fibers with Harsh Environment Tolerance. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 8952-8959.	4.0	29
1972	Analysis of six preservatives in beverages using hydrophilic deep eutectic solvent as disperser in dispersive liquid-liquid microextraction based on the solidification of floating organic droplet. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 195, 113889.	1.4	20
1973	Synthesis of Tri-indolylmethane Derivatives Using a Deep Eutectic Solvent. <i>Russian Journal of Organic Chemistry</i> , 2021, 57, 255-264.	0.3	6
1974	Increasing the greenness of an organic acid through deep eutectic solvation and further polymerisation. <i>Green Energy and Environment</i> , 2022, 7, 840-853.	4.7	10
1975	Determination of Binding Strengths of Host-Guest Complexes in Deep Eutectic Solvents Using Spin Probe Methodology. <i>ChemPhysChem</i> , 2021, 22, 517-521.	1.0	3
1976	Oxidation of furfural to maleic acid and fumaric acid in deep eutectic solvent (DES) under vanadium pentoxide catalysis. <i>Journal of Bioresources and Bioproducts</i> , 2021, 6, 39-44.	11.8	16
1977	Distinct Solvation Structures of CO ₂ and SO ₂ in Reline and Ethaline Deep Eutectic Solvents Revealed by AIMD Simulations. <i>Journal of Physical Chemistry B</i> , 2021, 125, 1852-1860.	1.2	26
1978	Potency of Deep Euteutic Solvent as an Alternative Solvent on Pretreatment Process of Lignocellulosic Biomass: Review. <i>Journal of Physics: Conference Series</i> , 2021, 1764, 012014.	0.3	4
1979	A Unified Method for the Recovery of Metals from Chalcogenides. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2929-2936.	3.2	5
1980	Dissipative Particle Dynamics Quantitative Simulation of the Formation Mechanism and Emulsification Driving Force of Deep Eutectic Solvent-Based Surfactant-Free and Water-Free Microemulsion. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 3249-3258.	1.8	8
1981	Carbon dioxide capture by new DBU-based DES: The relationship between ionicity and absorptive capacity. <i>AIChE Journal</i> , 2021, 67, e17244.	1.8	20
1982	Catalytic Conversion of Biomass to Furanic Derivatives with Deep Eutectic Solvents. <i>ChemSusChem</i> , 2021, 14, 1496-1506.	3.6	42
1983	Desiccant solutions, membrane technologies, and regeneration techniques in liquid desiccant air conditioning system. <i>International Journal of Energy Research</i> , 2021, 45, 8420-8447.	2.2	18
1984	Separation of Benzene-Cyclohexane Azeotropes Via Extractive Distillation Using Deep Eutectic Solvents as Entrainers. <i>Processes</i> , 2021, 9, 336.	1.3	11
1985	Ammonium based deep eutectic solvents (DESs) on extraction of benzothiophene from iso-octane: experiment and COSMO-RS model. <i>Journal of Dispersion Science and Technology</i> , 2022, 43, 1778-1788.	1.3	12

#	ARTICLE	IF	CITATIONS
1986	Supercritical carbon dioxide and eutectic solvent in conjunction: Novel method for in-situ solvent preparation-dissolution and uranium extraction from solid matrices. <i>Separation and Purification Technology</i> , 2021, 257, 117950.	3.9	12
1987	Efficient pyran derivatives synthesis in DES medium and their antimicrobial evaluation as inhibitors of mycobacterium bovis (BCG). <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 2575-2582.	1.2	2
1988	A Nitroxide Containing Organic Molecule in a Deep Eutectic Solvent for Flow Battery Applications. <i>Journal of the Electrochemical Society</i> , 2021, 168, 020527.	1.3	29
1989	Application of a new choline-imidazole based deep eutectic solvents in hybrid magnetic molecularly imprinted polymer for efficient and selective removal of naproxen from aqueous samples. <i>Materials Chemistry and Physics</i> , 2021, 261, 124228.	2.0	23
1990	Electrodeposition of electrocatalytic coatings in systems based on deep eutectic solvents: a review. <i>Voprosy Khimii i Khimicheskoi Tekhnologii</i> , 2021, , 4-22.	0.1	3
1991	Separation of toluene from a toluene/n-heptane mixture using ethylene glycol containing deep eutectic solvents. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 604-609.	1.2	7
1992	Group contribution and atomic contribution models for the prediction of various physical properties of deep eutectic solvents. <i>Scientific Reports</i> , 2021, 11, 6684.	1.6	24
1993	Assessing the Compatibility of Mono-, Di-, and Tri-Cholinium Citrate Ionic Liquids for the Stability and Activity of β -Chymotrypsin. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 4812-4822.	3.2	7
1994	Carbon dioxide solubility in amine-based deep eutectic solvents: Experimental and theoretical investigation. <i>Journal of Molecular Liquids</i> , 2021, 325, 115133.	2.3	23
1995	Optimization of Extraction of Bioactive Compounds from <i>Baphicacanthus cusia</i> Leaves by Hydrophobic Deep Eutectic Solvents. <i>Molecules</i> , 2021, 26, 1729.	1.7	21
1996	Deep eutectic solvent-based emulsification liquid-liquid microextraction for the analysis of phenoxy acid herbicides in paddy field water samples. <i>Royal Society Open Science</i> , 2021, 8, 202061.	1.1	12
1997	The Double and Triple Role of L-(+)-tartaric Acid and Dimethyl Urea: A Prevailing Green Approach in Organic Synthesis. <i>Current Organic Chemistry</i> , 2021, 25, 554-579.	0.9	13
1998	Switchable (pH driven) aqueous two-phase systems formed by deep eutectic solvents as integrated platforms for production-separation 5-HMF. <i>Journal of Molecular Liquids</i> , 2021, 325, 115158.	2.3	16
1999	Deep eutectic solvents as H ₂ -sources for Ru(II)-catalyzed transfer hydrogenation of carbonyl compounds under mild conditions. <i>Tetrahedron</i> , 2021, 83, 131997.	1.0	17
2000	Green and Non-conventional Extraction of Bioactive Compounds from Olive Leaves: Screening of Novel Natural Deep Eutectic Solvents and Investigation of Process Parameters. <i>Waste and Biomass Valorization</i> , 2021, 12, 5329-5346.	1.8	29
2001	Emerging applications of (micro) extraction phase from hydrophilic to hydrophobic deep eutectic solvents: opportunities and trends. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 136, 116187.	5.8	115
2002	Can Thiourea Dioxide Regenerate Keratin from Waste Wool?. <i>Journal of Natural Fibers</i> , 2022, 19, 5991-5999.	1.7	3
2003	Effects of boric acid and water on the deposition of Ni/TiO ₂ composite coatings from deep eutectic solvent. <i>Surface and Coatings Technology</i> , 2021, 409, 126834.	2.2	9

#	ARTICLE	IF	CITATIONS
2004	A Reconstructed Common Ancestor of the Fatty Acid Photoâ€ˆdecarboxylase Clade Shows Photoâ€ˆdecarboxylation Activity and Increased Thermostability. <i>ChemBioChem</i> , 2021, 22, 1833-1840.	1.3	18
2005	Sustainable green solvents for microextraction techniques: Recent developments and applications. <i>Journal of Chromatography A</i> , 2021, 1640, 461944.	1.8	46
2006	Phase Equilibria in Alcoholâ€ˆEster Systems with Deep Eutectic Solvents Based on Choline Chloride at 293.15 and 313.15 K. <i>Theoretical Foundations of Chemical Engineering</i> , 2021, 55, 290-300.	0.2	1
2007	Fast Addition of sâ€ˆBlock Organometallic Reagents to CO ₂ -Derived Cyclic Carbonates at Room Temperature, Under Air, and in 2â€ˆMethyltetrahydrofuran. <i>ChemSusChem</i> , 2021, 14, 2084-2092.	3.6	17
2008	Extraction of proteins and residual oil from flax (<i>Linum usitatissimum</i>), camelina (<i>Camelina sativa</i>), and sunflower (<i>Helianthus annuus</i>) oilseed press cakes. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 1915-1926.	2.9	9
2009	Organocatalytic transformations in deep eutectic solvents: Green methodologies made greener. <i>Tetrahedron</i> , 2021, 84, 131967.	1.0	18
2010	Hydration of Î±-pinene catalyzed by oxalic acid/polyethylene glycol deep eutectic solvents. <i>Journal of Fuel Chemistry and Technology</i> , 2021, 49, 330-338.	0.9	3
2011	The correlation between the physicochemical properties of water-based deep eutectic solvents and catalytic activity of lipase Novozym 435. <i>Journal of Molecular Liquids</i> , 2021, 325, 115200.	2.3	5
2012	Extraction of butanol and acetonitrile from aqueous solution using carboxylic acid based deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2021, 325, 115231.	2.3	10
2013	Choline chloride-coated UiO-66-Urea MOF: A novel multifunctional heterogeneous catalyst for efficient one-pot three-component synthesis of 2-amino-4H-chromenes. <i>Journal of Molecular Liquids</i> , 2021, 325, 115228.	2.3	21
2014	Deep Eutectic Solvents for Boosting Electrochemical Energy Storage and Conversion: A Review and Perspective. <i>Advanced Functional Materials</i> , 2021, 31, 2011102.	7.8	172
2015	A novel approach for developing on-line dispersive liquidâ€ˆliquid microextraction using deep eutectic solvent for determination of cobalt ion in water samples by ICP-OES. <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 2913-2918.	1.2	7
2016	Molecular-Based Guide to Predict the pH of Eutectic Solvents: Promoting an Efficient Design Approach for New Green Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 5783-5808.	3.2	44
2017	A critical review of recent advances in the production of furfural and 5-hydroxymethylfurfural from lignocellulosic biomass through homogeneous catalytic hydrothermal conversion. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 139, 110706.	8.2	162
2018	Positive Synergistic Effects on Vulcanization, Mechanical and Electrical Properties of Using Deep Eutectic Solvent in Natural Rubber Vulcanizates. <i>Polymer Testing</i> , 2021, 96, 107071.	2.3	13
2020	Hydrophobic Deep Eutectic Solvents for the Recovery of Bio-Based Chemicals: Solidâ€ˆLiquid Equilibria and Liquidâ€ˆLiquid Extraction. <i>Processes</i> , 2021, 9, 796.	1.3	16
2021	Ultrafast Crystallization of AlPO ₄ -5 Molecular Sieve in a Deep Eutectic Solvent. <i>Journal of Physical Chemistry C</i> , 2021, 125, 8876-8889.	1.5	14
2022	Basics and properties of deep eutectic solvents: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 3397-3408.	8.3	329

#	ARTICLE	IF	CITATIONS
2023	Measurements of the Thermal Conductivity of <sc>l</sc>-Mentholâ€“Decanoic Acid Deep Eutectic Solvents in the Temperature Range from 283.15 to 363.15 K at Pressures up to 15.1 MPa. Journal of Chemical & Engineering Data, 2021, 66, 2061-2070.	1.0	8
2024	On the coupling between ionic conduction and dipolar relaxation in deep eutectic solvents: Influence of hydration and glassy dynamics. Journal of Chemical Physics, 2021, 154, 164508.	1.2	15
2025	Translational and reorientational dynamics in deep eutectic solvents. Journal of Chemical Physics, 2021, 154, 154501.	1.2	27
2026	Destabilization of stable bentonite colloidal suspension using choline chloride based deep eutectic solvent: Optimization study. Journal of Water Process Engineering, 2021, 40, 101885.	2.6	12
2027	Coldâ€“spray ionization mass spectrometry of the choline chlorideâ€“urea deep eutectic solvent (reline). Journal of Mass Spectrometry, 2021, 56, e4725.	0.7	5
2028	Use of Deep Eutectic Solvents in the Treatment of Agro-Industrial Lignocellulosic Wastes for Bioactive Compounds. , 0, , .		6
2029	Separation of low molecular weight alcohols from water with deep eutectic solvents: Liquid-liquid equilibria and process simulations. Fluid Phase Equilibria, 2021, 533, 112949.	1.4	12
2030	Deep desulfurization performance of thiophene with deep eutectic solvents loaded carbon nanotube composites. Royal Society Open Science, 2021, 8, 201736.	1.1	10
2031	Partial Charges Optimized by Genetic Algorithms for Deep Eutectic Solvent Simulations. Journal of Chemical Theory and Computation, 2021, 17, 3078-3087.	2.3	12
2032	Thermodynamic, transport, and structural properties of hydrophobic deep eutectic solvents composed of tetraalkylammonium chloride and decanoic acid. Journal of Chemical Physics, 2021, 154, 144502.	1.2	16
2033	Cooperative Demolition: Waterâ€™s Disruption of Structures in Deep Eutectic Solvents. Journal of Physical Chemistry B, 2021, 125, 3850-3854.	1.2	3
2034	An Overview of Ammonia Separation by Ionic Liquids. Industrial & Engineering Chemistry Research, 2021, 60, 6908-6924.	1.8	35
2035	Molecular insight into flow resistance of choline chloride/urea confined in ionic model nanoslits. Fluid Phase Equilibria, 2021, 533, 112934.	1.4	4
2036	Novel Deep Eutectic Solvents for Stabilizing Clay and Inhibiting Shale Hydration. Energy & Fuels, 2021, 35, 7833-7843.	2.5	15
2037	Selected Monocyclic Monoterpenes and Their Derivatives as Effective Anticancer Therapeutic Agents. International Journal of Molecular Sciences, 2021, 22, 4763.	1.8	18
2038	Review and Perspectives for Effective Solutions to Grand Challenges of Energy and Fuels Technologies via Novel Deep Eutectic Solvents. Energy & Fuels, 2021, 35, 6402-6419.	2.5	46
2039	High-efficient cellulosic butanol production from deep eutectic solvent pretreated corn stover without detoxification. Industrial Crops and Products, 2021, 162, 113258.	2.5	33
2040	Cellulose nanocrystals from bleached rice straw pulp: acidic deep eutectic solvent versus sulphuric acid hydrolyses. Cellulose, 2021, 28, 6183.	2.4	29

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2041	Value-added utilization of high-temperature coal tar: A review. <i>Fuel</i> , 2021, 292, 119954.	3.4	48
2042	Regeneration of Used Oils by Red Mud and DESs (Reline). <i>Journal of Physics: Conference Series</i> , 2021, 1879, 022067.	0.3	0
2043	Insights into the relationships between physicochemical properties, solvent performance, and applications of deep eutectic solvents. <i>Environmental Science and Pollution Research</i> , 2021, 28, 35537-35563.	2.7	65
2044	How sensitive are physical properties of choline chloride-urea mixtures to composition changes: Molecular dynamics simulations and Kirkwood-Buff theory. <i>Journal of Chemical Physics</i> , 2021, 154, 184502.	1.2	24
2045	Should deep eutectic solvents be treated as a mixture of two components or as a pseudo-component?. <i>Journal of Chemical Physics</i> , 2021, 154, 184501.	1.2	10
2046	Choline chloride-based deep eutectic solvents do not improve the ethanolic extraction of carotenoids from buriti fruit (<i>Mauritia flexuosa</i> L.). <i>Sustainable Chemistry and Pharmacy</i> , 2021, 20, 100375.	1.6	10
2047	Tailor-made deep eutectic solvents extraction combined with UPLC-MS/MS determination of icarrin and icarisid II in rat plasma and its comparative pharmacokinetic application. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 199, 114054.	1.4	11
2048	Preparation of new hydrophobic deep eutectic solvents and their application in dispersive liquid-liquid microextraction of Sudan dyes from food samples. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 3873-3880.	1.9	15
2049	New Greener and Sustainable Methodology for Direct Sequestering and Analysis of Uranium Using a Maline Supramolecular Scaffold and Mechanistic Understanding through Speciation and Interaction Studies. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 7846-7862.	3.2	9
2050	Solubilization properties and structural characterization of dissociated HgO and HgCl ₂ in deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2021, 329, 115505.	2.3	14
2051	Removal process and mechanism of lead in Zn-containing rotary hearth furnace dust. <i>Inorganic Chemistry Communication</i> , 2021, 127, 108496.	1.8	7
2052	Efficient and remarkable SO ₂ capture: A discovery of imidazole-based ternary deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2021, 330, 115595.	2.3	18
2053	Choline chloride-based ternary deep band gap systems. <i>Journal of Molecular Liquids</i> , 2021, 330, 115717.	2.3	5
2054	Solubilities of Benzene, Toluene, and Ethylbenzene in Deep Eutectic Solvents. <i>Journal of Chemical & Engineering Data</i> , 2021, 66, 2460-2469.	1.0	4
2055	Lipase-Catalyzed Production of Sorbitol Laurate in a CO ₂ -in-1-Deep Eutectic System: Factors Affecting the Synthesis and Scalability. <i>Molecules</i> , 2021, 26, 2759.	1.7	14
2056	Density, dynamic viscosity, conductivity and refractive index for mixture D-glucose and deep eutectic solvent (choline chloride + urea) at different temperatures. <i>Physics and Chemistry of Liquids</i> , 2022, 60, 83-94.	0.4	4
2057	Theoretical insights into the cineole-based deep eutectic solvents. <i>Journal of Chemical Physics</i> , 2021, 154, 184504.	1.2	14
2058	A Deep Eutectic Solvent Based on Choline Chloride and Sulfosalicylic Acid: Properties and Applications. <i>Theoretical Foundations of Chemical Engineering</i> , 2021, 55, 371-379.	0.2	12

#	ARTICLE	IF	CITATIONS
2059	Hydrophobic eutectic solvents: Thermophysical study and application in removal of pharmaceutical products from water. <i>Chemical Engineering Journal</i> , 2021, 411, 128472.	6.6	29
2060	Deep eutectic solvents improve the stability of forsythoside A. <i>Journal of Food Safety</i> , 2021, 41, e12907.	1.1	1
2061	Multicomponent extraction of aromatics and heteroaromatics from diesel using acidic eutectic solvents: Experimental and COSMO-RS predictions. <i>Journal of Molecular Liquids</i> , 2021, 336, 116575.	2.3	37
2062	Reactive Deep Eutectic Solvents (RDESs): A New Tool for Phospholipase D-Catalyzed Preparation of Phospholipids. <i>Catalysts</i> , 2021, 11, 655.	1.6	14
2063	Choline Chloride–Lactic Acid-Based NADES As an Extraction Medium in a Response Surface Methodology-Optimized Method for the Extraction of Phenolic Compounds from Hazelnut Skin. <i>Molecules</i> , 2021, 26, 2652.	1.7	39
2064	Prospects of Using Biocatalysis for the Synthesis and Modification of Polymers. <i>Molecules</i> , 2021, 26, 2750.	1.7	16
2065	A –special–anhydrous system for the preparation of alloyed Pd1Ce0.5 nanonetworks catalyst supported on carbon nanotubes with high electrochemical oxidation activity for formic acid. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 18857-18865.	3.8	7
2066	Second generation biorefining in Ecuador: Circular bioeconomy, zero waste technology, environment and sustainable development: The nexus. <i>Journal of Bioresources and Bioproducts</i> , 2021, 6, 83-107.	11.8	69
2067	Influence of natural deep eutectic systems in water thermal behavior and their applications in cryopreservation. <i>Journal of Molecular Liquids</i> , 2021, 329, 115533.	2.3	16
2068	Promising Technological and Industrial Applications of Deep Eutectic Systems. <i>Materials</i> , 2021, 14, 2494.	1.3	29
2069	Tools for extending the dilution range of the –solvent-in-DES–regime. <i>Journal of Molecular Liquids</i> , 2021, 329, 115573.	2.3	11
2070	Deep eutectic solvent functionalized graphene oxide nanofiltration membranes with superior water permeance and dye desalination performance. <i>Chemical Engineering Journal</i> , 2021, 412, 128577.	6.6	48
2071	Synergism of sweeping frequency ultrasound and deep eutectic solvents pretreatment for fractionation of sugarcane bagasse and enhancing enzymatic hydrolysis. <i>Ultrasonics Sonochemistry</i> , 2021, 73, 105470.	3.8	33
2072	Stiff, Self-Healable, Transparent Polymers with Synergetic Hydrogen Bonding Interactions. <i>Chemistry of Materials</i> , 2021, 33, 5189-5196.	3.2	56
2073	Smart materials for sample preparation in bioanalysis: A green overview. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 21, 100411.	1.6	17
2074	Phase separation property of a hydrophobic deep eutectic solvent–water binary mixture: A molecular dynamics simulation study. <i>Journal of Chemical Physics</i> , 2021, 154, 244504.	1.2	17
2075	Cyclodextrin solubilization in hydrated reline: Resolving the unique stabilization mechanism in a deep eutectic solvent. <i>Journal of Chemical Physics</i> , 2021, 154, 224505.	1.2	5
2076	Optimization of Extraction Process and the Antioxidant Activity of Phenolics from <i>Sanghuangporus baumii</i> . <i>Molecules</i> , 2021, 26, 3850.	1.7	20

#	ARTICLE	IF	CITATIONS
2077	²³ Na NMR T_1 relaxation measurements as a probe for diffusion and dynamics of sodium ions in salt-glycerol mixtures. <i>Journal of Chemical Physics</i> , 2021, 154, 224501.	1.2	6
2078	The effect of silica modified by deep eutectic solvents on the properties of nature rubber/silica composites. <i>Journal of Elastomers and Plastics</i> , 2022, 54, 111-122.	0.7	3
2079	Can Deep Eutectic Solvents Sustain Oxygen-Dependent Bioprocesses? Measurements of Oxygen Transfer Rates. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8347-8353.	3.2	12
2080	Solubility assessment of lignin monomeric compounds and organosolv lignin in deep eutectic solvents using in situ Fourier-transform infrared spectroscopy. <i>Industrial Crops and Products</i> , 2021, 164, 113359.	2.5	17
2081	Exploration of a ternary deep eutectic solvent for the efficient extraction of plantamajoside, acteoside, quercetin and kaempferol from <i>Plantago asiatica</i> L. <i>Phytochemical Analysis</i> , 2022, 33, 94-104.	1.2	7
2082	Extraction of bioactive compounds from <i>Curcuma longa</i> L. using deep eutectic solvents: In vitro and in vivo biological activities. <i>Innovative Food Science and Emerging Technologies</i> , 2021, 70, 102697.	2.7	27
2083	Fabrication of a novel bio-sorbent based on magnetic β -cyclodextrin composites modified by polymeric deep eutectic solvent for the efficient separation of Ovalbumin. <i>Separation and Purification Technology</i> , 2021, 264, 118422.	3.9	15
2084	Synthesis and electrochemical properties of LiFePO ₄ cathode material by ionic thermal method using eutectic mixture of tetramethyl ammonium chloride-urea. <i>Rare Metals</i> , 2021, 40, 3477-3484.	3.6	19
2085	Carbon Capture from Biogas by Deep Eutectic Solvents: A COSMO Study to Evaluate the Effect of Impurities on Solubility and Selectivity. <i>Clean Technologies</i> , 2021, 3, 490-502.	1.9	6
2086	Brønsted Acidic Deep Eutectic Solvent Based on Imidazole and <i>p</i> -Toluenesulfonic Acid Intensified Prins Condensation of Styrene with Formaldehyde. <i>Chemistry Letters</i> , 2021, 50, 1194-1197.	0.7	3
2087	Deep eutectic solvents-based CNT nanofluid – A potential alternative to conventional heat transfer fluids. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 128, 314-326.	2.7	21
2088	Deep desulfurization of fuels: Are deep eutectic solvents the alternative for ionic liquids?. <i>Fuel</i> , 2021, 293, 120297.	3.4	31
2089	Nanostructure of a deep eutectic solvent at solid interfaces. <i>Journal of Colloid and Interface Science</i> , 2021, 591, 38-51.	5.0	27
2090	Comparison of Raman and attenuated total reflectance (ATR) infrared spectroscopy for water quantification in natural deep eutectic solvent. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4785-4799.	1.9	12
2091	A review on the potential uses of deep eutectic solvents in chitin and chitosan related processes. <i>Carbohydrate Polymers</i> , 2021, 262, 117942.	5.1	59
2092	A study on the physical properties of low melting mixtures and their use as catalysts/solvent in the synthesis of barbiturates. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 1849-1860.	1.4	6
2093	Heterogeneous Orientational Relaxations and Translation-Rotation Decoupling in (Choline Chloride) Tj ETQq0 0 0 rgBT /Overlock 10 T Relaxation Measurements. <i>Journal of Physical Chemistry B</i> , 2021, 125, 5920-5936.	1.2	17
2094	Gas Solubility Using Deep Eutectic Solvents: Review and Analysis. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 8607-8620.	1.8	61

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2095	Preparation of a novel environmentally friendly hydrophobic deep eutectic solvent ChCl ₂ :CTH ₃ and its application in removal of hexavalent chromium from aqueous solution. <i>Water Environment Research</i> , 2021, 93, 2250-2260.	1.3	12
2096	Hygroscopicity of 1:2 Choline Chloride:Ethylene Glycol Deep Eutectic Solvent: A Hindrance to its Electroplating Industry Adoption. <i>Journal of Electrochemical Science and Technology</i> , 2021, 12, 387-397.	0.9	7
2097	Air-assisted liquid-liquid microextraction based on the solidification of floating deep eutectic solvents for the simultaneous determination of bisphenols and polycyclic aromatic hydrocarbons in tea infusions via HPLC. <i>Food Chemistry</i> , 2021, 348, 129106.	4.2	36
2098	Effect of amount of additional water during ionothermal synthesis process on physicochemical properties of vanadium phosphate catalyst material. <i>Journal of Solid State Chemistry</i> , 2021, 298, 122119.	1.4	2
2099	Deep eutectic solvent-homogenate based microwave-assisted hydrodistillation of essential oil from <i>Litsea cubeba</i> (Lour.) Pers. fruits and its chemical composition and biological activity. <i>Journal of Chromatography A</i> , 2021, 1646, 462089.	1.8	15
2100	Liquid structure and dynamics in the choline acetate:urea 1:2 deep eutectic solvent. <i>Journal of Chemical Physics</i> , 2021, 154, 244501.	1.2	17
2101	Esterification of Lignin Isolated by Deep Eutectic Solvent Using Fatty Acid Chloride, and Its Composite Film with Poly(lactic acid). <i>Polymers</i> , 2021, 13, 2149.	2.0	10
2102	Regiodivergent Isosorbide Acylation by Oxidative N-Heterocyclic Carbene Catalysis in Batch and Continuous Flow. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8295-8305.	3.2	13
2103	Production of xylo-oligosaccharides from wheat straw using microwave assisted deep eutectic solvent pretreatment. <i>Industrial Crops and Products</i> , 2021, 164, 113393.	2.5	34
2104	Deep Eutectic Solvents: Molecular Simulations with a First-Principles Polarizable Force Field. <i>Journal of Physical Chemistry B</i> , 2021, 125, 7177-7186.	1.2	13
2105	Task-specific Deep Eutectic Solvent for Selective Oxidation of Aromatic Methyl to Aldehyde. <i>ChemistrySelect</i> , 2021, 6, 5893-5898.	0.7	3
2106	Liquid structure of a choline chloride-water natural deep eutectic solvent: A molecular dynamics characterization. <i>Journal of Molecular Liquids</i> , 2021, 331, 115750.	2.3	37
2107	Exploring magnetic particle surface embedded with imidazole-based deep eutectic solvent for diclofenac removal from pharmaceutical wastewater samples. <i>Journal of Molecular Liquids</i> , 2021, 332, 115809.	2.3	14
2108	Transition from molecular- to nano-scale segregation in a deep eutectic solvent - water mixture. <i>Journal of Molecular Liquids</i> , 2021, 331, 115747.	2.3	21
2109	Selective synthesis of glyceryl monolaurate intensified by boric acid based deep eutectic solvent. <i>Catalysis Today</i> , 2021, , .	2.2	6
2110	Tuning the solvation of indigo in aqueous deep eutectics. <i>Journal of Chemical Physics</i> , 2021, 154, 224502.	1.2	10
2111	The effect of increasing water content on transition metal speciation in deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2021, 332, 115845.	2.3	17
2112	Behavior of Ternary Mixtures of Hydrogen Bond Acceptors and Donors in Terms of Band Gap Energies. <i>Materials</i> , 2021, 14, 3418.	1.3	1

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2113	Deep eutectic silsesquioxane hybrids with quaternary ammonium/urea derivatives: synthesis and physicochemical and ion-conductive properties. <i>Materials Today Chemistry</i> , 2021, 20, 100455.	1.7	5
2114	Deep eutectic solvents eutectogels: progress and challenges. <i>Green Chemical Engineering</i> , 2021, 2, 359-367.	3.3	54
2115	The subtle but substantial distinction between ammonium- and phosphonium-based deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2021, 332, 115838.	2.3	17
2116	Improvement of Conversion Efficiency from α -D-Glucose to α -D-Allulose by Whole-Cell Catalysts with Deep Eutectic Solvents. <i>ACS Food Science & Technology</i> , 2021, 1, 1323-1332.	1.3	3
2117	Study of naproxen dissolution in the mixtures of a choline-based deep eutectic solvent + water at different temperatures. <i>Journal of Molecular Liquids</i> , 2022, 345, 117023.	2.3	12
2118	Comparison and Validation of Force Fields for Deep Eutectic Solvents in Combination with Water and Alcohol Dehydrogenase. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 5322-5341.	2.3	17
2119	Beneficial and detrimental effects of choline chloride-oxalic acid deep eutectic solvent on biogas production. <i>Waste Management</i> , 2021, 131, 368-375.	3.7	9
2120	Comprehensive Evaluation of a Deep Eutectic Solvent Based CO ₂ Capture Process through Experiment and Simulation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 10250-10265.	3.2	48
2121	Cellulose nanocrystal production from bleached rice straw pulp by combined alkaline and acidic deep eutectic solvents treatment: optimization by response surface methodology. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 25-33.	2.9	5
2122	Volumetric investigation of aqueous mixtures of the {choline chloride + phenol (1:4)} deep eutectic solvent. <i>Journal of Chemical Thermodynamics</i> , 2021, 158, 106440.	1.0	9
2123	Inorganic Synthesis Based on Reactions of Ionic Liquids and Deep Eutectic Solvents. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22148-22165.	7.2	107
2124	Molecular dynamics simulations of choline chloride and phenyl propionic acid deep eutectic solvents: Investigation of structural and dynamics properties. <i>Journal of Molecular Graphics and Modelling</i> , 2021, 106, 107908.	1.3	39
2125	Comprehensive physicochemical evaluation of choline chloride-based natural deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2021, 343, 116968.	2.3	53
2126	Transforming nature into the next generation of bio-based flexible devices: New avenues using deep eutectic systems. <i>Matter</i> , 2021, 4, 2141-2162.	5.0	47
2127	Quaternary Ammonium Salts-Based Deep Eutectic Solvents: Utilization in Extractive Desulfurization. <i>Energy & Fuels</i> , 2021, 35, 12734-12745.	2.5	24
2128	Can isopiestic method predict the formation of deep eutectic solvents?. <i>Journal of Molecular Liquids</i> , 2021, 333, 115865.	2.3	7
2129	Deep Eutectic Solvents for the Valorisation of Lignocellulosic Biomasses towards Fine Chemicals. <i>Biomass</i> , 2021, 1, 29-59.	1.2	38
2130	Insight into structural properties and molecular interactions of maline (choline chloride + malonic) Tj ETQq1 1 0.784314 rgBT /Overl... portrayal. <i>Journal of Molecular Liquids</i> , 2021, 334, 116050.	2.3	12

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2131	Recovery of Rare Earth Elements (REEs) Using Ionic Solvents. <i>Processes</i> , 2021, 9, 1202.	1.3	40
2132	Choline Chloride-based Deep Eutectic Solvents for Degradation of Waste Cotton Fibrics to 5-Hydroxymethylfurfural. <i>Fibers and Polymers</i> , 2022, 23, 98-106.	1.1	6
2133	The effect of iron decorated MWCNTs and iron-ionic liquid decorated MWCNTs onto thermal decomposition of ammonium perchlorate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 1607-1619.	0.6	25
2134	A review on alternative lubricants: Ionic liquids as additives and deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2021, 333, 116004.	2.3	34
2135	Assessing rotation and solvation dynamics in ethaline deep eutectic solvent and its solutions with methanol. <i>Journal of Chemical Physics</i> , 2021, 155, 034505.	1.2	8
2136	Deep eutectic solvents in the pretreatment of feedstock for efficient fractionation of polysaccharides: current status and future prospects. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 171-195.	2.9	11
2137	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
2138	Effective Extraction of Limonene and Hibaene from Hinoki (<i>Chamaecyparis obtusa</i>) Using Ionic Liquid and Deep Eutectic Solvent. <i>Molecules</i> , 2021, 26, 4271.	1.7	2
2139	Multiple evidences of dynamic heterogeneity in hydrophobic deep eutectic solvents. <i>Journal of Chemical Physics</i> , 2021, 155, 044502.	1.2	23
2140	Magnetic nanoparticles prepared in natural deep eutectic solvent for enzyme immobilisation. <i>Biocatalysis and Biotransformation</i> , 2022, 40, 450-460.	1.1	9
2141	Effect of choline chloride and urea based deep eutectic solvent on the physicochemical properties of salicylic acid and salicylamide at T = (288.15 to 313.15) K. <i>Journal of Molecular Liquids</i> , 2021, 334, 116500.	2.3	9
2142	Separation of butyric acid from aqueous media using menthol-based hydrophobic deep eutectic solvent and modeling by response surface methodology. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 1331-1341.	2.9	9
2143	From a eutectic mixture to a deep eutectic system via anion selection: Glutaric acid + tetraethylammonium halides. <i>Journal of Chemical Physics</i> , 2021, 155, 014502.	1.2	16
2144	Using COSMO-RS to Predict Solvatochromic Parameters for Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 10240-10249.	3.2	21
2145	Water accelerates the hydrogen-bond dynamics and abates heterogeneity in deep eutectic solvent based on acetamide and lithium perchlorate. <i>Journal of Chemical Physics</i> , 2021, 155, 024505.	1.2	8
2146	Microextraction of bioactive compounds using deep eutectic solvents: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 3747-3759.	8.3	44
2147	Ionische Flüssigkeiten und stark eutektische Lösungsmittel in der anorganischen Synthese. <i>Angewandte Chemie</i> , 2021, 133, 22320-22338.	1.6	4
2148	Effect of some choline based deep eutectic solvents on volumetric and ultrasonic properties of gabapentin drug in water at T = (288.15 to 318.15) K. <i>Journal of Molecular Liquids</i> , 2022, 346, 117073.	2.3	6

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2149	A comprehensive computational and principal component analysis on various choline chloride-based deep eutectic solvents to reveal their structural and spectroscopic properties. <i>Journal of Chemical Physics</i> , 2021, 155, 044308.	1.2	9
2150	Extraction of Keratin from Poultry Feathers with Choline Chloride-Oxalic Acid Deep Eutectic Solvent. <i>Fibers and Polymers</i> , 2021, 22, 3326-3335.	1.1	7
2151	Chemical Biology of Double Helical and Non-Double Helical Nucleic Acids: To Be or Not To Be, That Is the Question. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1970-1998.	2.0	19
2152	Lithium-salt-based deep eutectic solvents: Importance of glass formation and rotation-translation coupling for the ionic charge transport. <i>Journal of Chemical Physics</i> , 2021, 155, 044503.	1.2	8
2153	Effect of Novel Deep Eutectic Solvents on the Endo/Exo Ratio of Diels-Alder Reactions at Room Temperature. <i>ACS Omega</i> , 2021, 6, 19392-19399.	1.6	4
2154	Differences on the impact of water on the deep eutectic solvents betaine/urea and choline/urea. <i>Journal of Chemical Physics</i> , 2021, 155, 034501.	1.2	19
2155	Intermolecular interactions in tetrabutylammonium chloride based deep eutectic solvents: Classical molecular dynamics studies. <i>Journal of Molecular Liquids</i> , 2021, 335, 116139.	2.3	16
2156	Density, viscosity, surface tension, spectroscopic properties and computational chemistry of the 1,4-butanediol+1,3-propanediamine-based deep eutectic solvent. <i>Journal of the Iranian Chemical Society</i> , 2022, 19, 1203-1217.	1.2	6
2157	Deep eutectic solvents: A structural point of view on the role of the anion. <i>Chemical Physics Letters</i> , 2021, 777, 138702.	1.2	11
2158	Immobilization of <i>Pseudomonas stutzeri</i> lipase through Cross-linking Aggregates (CLEA) for reactions in Deep Eutectic Solvents. <i>Journal of Biotechnology</i> , 2021, 337, 18-23.	1.9	20
2159	Deep eutectic systems from betaine and polyols: Physicochemical and toxicological properties. <i>Journal of Molecular Liquids</i> , 2021, 335, 116201.	2.3	28
2160	Treatment of oil-based drill cuttings by hydrophobic deep eutectic solvents. <i>Canadian Journal of Chemical Engineering</i> , 2022, 100, 1747-1754.	0.9	10
2161	Deep Eutectic Solvents and Multicomponent Reactions: Two Convergent Items to Green Chemistry Strategies. <i>ChemistryOpen</i> , 2021, 10, 815-829.	0.9	34
2162	Review of ultrasound combinations with hybrid and innovative techniques for extraction and processing of food and natural products. <i>Ultrasonics Sonochemistry</i> , 2021, 76, 105625.	3.8	101
2163	A Novel Electrochemical Glassy Carbon Electrode Modified with Carbon Black and Glycine Deep Eutectic Solvent within a Crosslinked Chitosan Film for Simultaneous Determination of Acetaminophen and Diclofenac. <i>Electroanalysis</i> , 2021, 33, 2351-2360.	1.5	8
2164	Base-Free Copper-Catalyzed Azide-Alkyne Click Cycloadditions (CuAAC) in Natural Deep Eutectic Solvents as Green and Catalytic Reaction Media. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4777-4789.	1.2	25
2165	Latest Insights on Novel Deep Eutectic Solvents (DES) for Sustainable Extraction of Phenolic Compounds from Natural Sources. <i>Molecules</i> , 2021, 26, 5037.	1.7	51
2166	Novel deep eutectic solvent made from sulfonic acid with acetamide, an ATR-IR characterization of different mole compositions and physicochemical properties of 1:6 mol ratios with electrodeposition of copper. <i>Materials Today: Proceedings</i> , 2021, , .	0.9	0

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2167	The role of deep eutectic solvents and carrageenan in synthesizing biocompatible anisotropic metal nanoparticles. <i>Beilstein Journal of Nanotechnology</i> , 2021, 12, 924-938.	1.5	15
2168	Choline chloride-based deep eutectic solvents as potential solvent for extraction of phenolic compounds from olive leaves: Extraction optimization and solvent characterization. <i>Food Chemistry</i> , 2021, 352, 129346.	4.2	82
2169	Measurement and PC-SAFT modeling of the water activity for aqueous solutions of D-mannose in some deep eutectic solvents. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 125, 58-68.	2.7	0
2170	Deep eutectic solvent-modified mixed iron hydroxide-silica: Application in magnetic solid-phase extraction for enrichment of organochlorine pesticides prior to GC-MS analysis. <i>Journal of Separation Science</i> , 2021, 44, 3636-3645.	1.3	12
2171	Self-assembly of ionic and non-ionic surfactants in type IV cerium nitrate and urea based deep eutectic solvent. <i>Journal of Chemical Physics</i> , 2021, 155, 084902.	1.2	11
2172	Covalently linked hydrogen bond donors: The other side of molecular frustration in deep eutectic solvents. <i>Journal of Chemical Physics</i> , 2021, 155, 084502.	1.2	3
2173	Deep eutectic solvent electrolysis for preparing N and P co-doped titanium dioxide for rapid photodegradation of dyestuff and antibiotic. <i>Ceramics International</i> , 2021, 47, 23249-23258.	2.3	16
2174	A review on the properties and applications of chitosan, cellulose and deep eutectic solvent in green chemistry. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 104, 362-380.	2.9	72
2175	Effective Extraction of Palmatine and Berberine from <i>Coptis chinensis</i> by Deep Eutectic Solvents-Based Ultrasound-Assisted Extraction. <i>Journal of Analytical Methods in Chemistry</i> , 2021, 2021, 1-10.	0.7	7
2176	Dearomatization Insights with Phosphonium-Based Deep Eutectic Solvent: Liquid-Liquid Equilibria Experiments and Predictions. <i>Journal of Chemical & Engineering Data</i> , 2021, 66, 3432-3442.	1.0	13
2177	Pretreatment of lignocellulosic biomass: A review on recent advances. <i>Bioresource Technology</i> , 2021, 334, 125235.	4.8	395
2178	Theoretical and experimental investigation of CO ₂ capture through choline chloride based supported deep eutectic liquid membranes. <i>Journal of Molecular Liquids</i> , 2021, 335, 116234.	2.3	12
2179	Flow-based methods and their applications in chemical analysis. <i>ChemTexts</i> , 2021, 7, 1.	1.0	6
2180	Properties and Kinetics of Selective Zinc Leaching with Choline Chloride and Urea. <i>Minerals (Basel)</i> , 2021, 11, 1078.	0.8	2
2181	Development of an automated yeast-based spectrophotometric method for toxicity screening: Application to ionic liquids, GUMBOS, and deep eutectic solvents. <i>Chemosphere</i> , 2021, 277, 130227.	4.2	2
2182	Recovery and recycling of deep eutectic solvents in biomass conversions: a review. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 197-226.	2.9	58
2183	Recent advances in green solvents for lignocellulosic biomass pretreatment: Potential of choline chloride (ChCl) based solvents. <i>Bioresource Technology</i> , 2021, 333, 125195.	4.8	59
2184	Extractive deterpeneation of citrus essential oils using quaternary ammonium-based deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2021, 336, 116868.	2.3	13

#	ARTICLE	IF	CITATIONS
2185	Evaluation of canonical choline chloride based deep eutectic solvents as dye-sensitized solar cell electrolytes. <i>Journal of Chemical Physics</i> , 2021, 155, 061102.	1.2	13
2186	Study on the Effect of Deep Eutectic Solvent Liquid Phase Microextraction on Quality Standard, Antitussive, and Expectorant of Sangbaipi Decoction. <i>Journal of Analytical Methods in Chemistry</i> , 2021, 2021, 1-11.	0.7	3
2187	Introducing Deep Eutectic Solvents as a Water-Free Dyeing Medium for Poly (1,4-cyclohexane) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 66.	2.0	5
2188	COSMO-SAC model approach for deep eutectic solvent selection to extract quercetin from macela (A.) Tj ETQq1 1 0.784314 rgBT /Overlock 11057-11066.	2.9	5
2189	Sustainable and Green Engineering Insights on Deep Eutectic Solvents toward the Extraction of Nutraceuticals. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 11290-11313.	3.2	23
2190	Extraction of Natural Products by Direct Formation of Eutectic Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12049-12057.	3.2	12
2191	Effect of Hydrated Deep Eutectic Solvents on the Thermal Stability of DNA. <i>Crystals</i> , 2021, 11, 1057.	1.0	6
2192	A novel strategy to synthesize Pt/CNTs nanocatalyst with highly improved activity for methanol electrooxidation. <i>Journal of Electroanalytical Chemistry</i> , 2021, 897, 115557.	1.9	11
2193	Electrochemical impedance spectroscopy and Raman spectroscopy studies on electrochemical interface between Au(111) electrode and ethaline deep eutectic solvent. <i>Electrochimica Acta</i> , 2021, 390, 138859.	2.6	14
2194	Removal of trace DNA toxic compounds using a Poly(deep eutectic solvent)@Biomass based on multi-physical interactions. <i>Journal of Hazardous Materials</i> , 2021, 418, 126369.	6.5	6
2195	Ionic Liquid-Based Materials for Biomedical Applications. <i>Nanomaterials</i> , 2021, 11, 2401.	1.9	52
2196	Design Optimization of Deep Eutectic Solvent Composition and Separation Performance of Cyclohexane and Benzene Mixtures with Extractive Distillation. <i>Processes</i> , 2021, 9, 1706.	1.3	7
2197	Influence of different concentrations of nicotinic acid on the electrochemical fabrication of copper film from an ionic liquid based on the complexation of choline chloride-ethylene glycol. <i>Journal of Electroanalytical Chemistry</i> , 2021, 897, 115581.	1.9	11
2198	A review on deep eutectic solvents: Physiochemical properties and its application as an absorbent for sulfur dioxide. <i>Journal of Molecular Liquids</i> , 2021, 338, 117021.	2.3	31
2199	Deep eutectic solvents â€” A new platform in membrane fabrication and membrane-assisted technologies. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 106414.	3.3	26
2200	Zwitterionic dual-network strategy for highly stretchable and transparent ionic conductor. <i>Polymer</i> , 2021, 231, 124111.	1.8	26
2201	Viscosity Investigations on the Binary Systems of (1 ChCl:2 Ethylene Glycol) DES and Methanol or Ethanol. <i>Molecules</i> , 2021, 26, 5513.	1.7	10
2202	Significant Improvement in Dissolving Lithium-Ion Battery Cathodes Using Novel Deep Eutectic Solvents at Low Temperature. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12940-12948.	3.2	45

#	ARTICLE	IF	CITATIONS
2203	Cytotoxicity of some choline-based deep eutectic solvents and their effect on solubility of coumarin drug. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 167, 106022.	1.9	10
2204	Halogen Bonding in Dithiane/Iodofluorobenzene Mixtures: A New Class of Hydrophobic Deep Eutectic Solvents. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22983-22989.	7.2	24
2205	Hydrophobic deep eutectic solvents: the new generation of green solvents for diversified and colorful applications in green chemistry. <i>Journal of Cleaner Production</i> , 2021, 314, 127965.	4.6	125
2206	Cyclodextrin-based supramolecular low melting mixtures: efficient absorbents for volatile organic compounds abatement. <i>Environmental Science and Pollution Research</i> , 2022, 29, 264-270.	2.7	17
2207	A guide to recent trends in green applications of liquid phase microextraction for bioanalytical sample preparations. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 22, 100478.	1.6	7
2208	Effects of polyol-based deep eutectic solvents on the efficiency of rice straw enzymatic hydrolysis. <i>Industrial Crops and Products</i> , 2021, 167, 113480.	2.5	39
2209	Density of Deep Eutectic Solvents: The Path Forward Cheminformatics-Driven Reliable Predictions for Mixtures. <i>Molecules</i> , 2021, 26, 5779.	1.7	23
2210	Efficient recovery of Au(III) through PVDF-based polymer inclusion membranes containing hydrophobic deep eutectic solvent. <i>Journal of Molecular Liquids</i> , 2021, 343, 117670.	2.3	14
2211	Group and π - π interaction contribution method for estimating the melting temperatures of deep eutectic solvents. <i>AIChE Journal</i> , 2022, 68, e17408.	1.8	17
2212	Ionic conductive gels based on deep eutectic solvents. <i>International Journal of Smart and Nano Materials</i> , 2021, 12, 337-350.	2.0	10
2213	Optimization and application of green solvent extraction of natural bioactive coumarins from Lamiaceae and Asteraceae herbal plants. <i>Journal of Molecular Liquids</i> , 2021, 338, 116691.	2.3	6
2214	Amino Acid-Based Natural Deep Eutectic Solvents for Extraction of Phenolic Compounds from Aqueous Environments. <i>Processes</i> , 2021, 9, 1716.	1.3	13
2215	Pt ₁ (CeO ₂) _{0.5} Nanoparticles Supported on Multiwalled Carbon Nanotubes for Methanol Electro-oxidation. <i>ACS Applied Nano Materials</i> , 2021, 4, 10584-10591.	2.4	18
2216	Black soldier fly larvae in broiler diets improve broiler performance and modulate the immune system. <i>Animal Nutrition</i> , 2021, 7, 695-706.	2.1	34
2217	Comparison of structure, thermal stability, and pyrolysis products of lignin extracted with CHCl ₃ -formic acid/lactic acid systems. <i>Journal of Materials Research and Technology</i> , 2021, 14, 841-850.	2.6	9
2218	Deep Eutectic Solvents for High-Temperature Electrochemical Capacitors. <i>ChemElectroChem</i> , 2021, 8, 4028-4037.	1.7	8
2219	Preparation of Readily-to-Use Stilbenoids Extract from <i>Morus alba</i> Callus Using a Natural Deep Eutectic Solvent. <i>Cosmetics</i> , 2021, 8, 91.	1.5	7
2220	Quantum chemical calculations on dissolution of dimethylformamide in ethaline. <i>Journal of Molecular Graphics and Modelling</i> , 2021, 107, 107966.	1.3	3

#	ARTICLE	IF	CITATIONS
2221	Deep eutectics and analogues as electrolytes in batteries. <i>Journal of Molecular Liquids</i> , 2021, 338, 116597.	2.3	48
2222	Deep Eutectic Solvents and Pharmaceuticals. <i>Encyclopedia</i> , 2021, 1, 942-963.	2.4	22
2223	Carbon precursors in coal tar: Extraction and preparation of carbon materials. <i>Science of the Total Environment</i> , 2021, 788, 147697.	3.9	15
2224	Separation of Aromatics from a Cyclic-Aliphatic Hydrocarbon Using Ethylene Glycol and a Choline Chloride-Based Deep Eutectic Solvent. <i>Journal of Chemical & Engineering Data</i> , 2021, 66, 3919-3933.	1.0	6
2225	In Competition for Water: Hydrated Choline Chloride:Urea vs Choline Acetate:Urea Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12262-12273.	3.2	26
2226	Green Solvents to Value <i>Annona muricata</i> L. Leaves as Antioxidants Source: Process Optimization and Potential as a Natural Food Additive. <i>Waste and Biomass Valorization</i> , 0, , 1.	1.8	6
2227	Solute rotation and solvation dynamics in deep eutectic solvents. <i>Chemical Physics Impact</i> , 2021, 3, 100043.	1.7	5
2228	Are choline chloride-based deep eutectic solvents better than methyl diethanolamine solvents for natural gas Sweetening? theoretical insights from molecular dynamics simulations. <i>Journal of Molecular Liquids</i> , 2021, 338, 116716.	2.3	28
2229	Halogen Bonding in Dithiane/Iodofluorobenzene Mixtures: A New Class of Hydrophobic Deep Eutectic Solvents. <i>Angewandte Chemie</i> , 2021, 133, 23165.	1.6	7
2230	Functional materials in chiral capillary electrophoresis. <i>Coordination Chemistry Reviews</i> , 2021, 445, 214108.	9.5	25
2231	Hydrophilic natural deep eutectic solvent : A review on physicochemical properties and extractability of bioactive compounds. <i>Journal of Molecular Liquids</i> , 2021, 339, 116923.	2.3	48
2232	Experimental and computational assessment of the physicochemical properties of choline chloride/ ethylene glycol deep eutectic solvent in 1:2 and 1:3 mole fractions and 298.15–398.15 K. <i>Journal of Molecular Liquids</i> , 2021, 339, 116669.	2.3	14
2233	Experimental study and thermodynamic modeling of phase equilibria of systems containing cyclohexane, alcohols (C4 and C5), and deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2021, 340, 117196.	2.3	10
2234	A comprehensive study of the dissolution process of N-oxide based explosives in deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2021, 340, 117170.	2.3	2
2235	Exploring the potential of highly selective alkanolamine containing deep eutectic solvents based supported liquid membranes for CO ₂ capture. <i>Journal of Molecular Liquids</i> , 2021, 340, 117274.	2.3	23
2236	Synthesis of low-viscosity hydrophobic magnetic deep eutectic solvent: Selective extraction of DNA. <i>Analytica Chimica Acta</i> , 2021, 1181, 338899.	2.6	27
2237	Novel recyclable acidic hydrophobic deep eutectic solvents for highly efficient extraction of calcium dobesilate in water and urine samples. <i>Talanta</i> , 2021, 233, 122523.	2.9	16
2238	Volumetric and compressibility studies on aqueous mixtures of deep eutectic solvents based on choline chloride and carboxylic acids at different temperatures: Experimental, theoretical and computational approach. <i>Journal of Molecular Liquids</i> , 2021, 340, 117212.	2.3	9

#	ARTICLE	IF	CITATIONS
2239	Computational modeling of polydecenediol-co-citrate using benzalkonium chloride-based hydrophobic eutectic solvents: COSMO-RS, reactivity, and compatibility insights. <i>Journal of Molecular Liquids</i> , 2021, 339, 116674.	2.3	18
2240	An insight into the effects of ratios and temperatures on a tetrabutylammonium bromide and ethylene glycol deep eutectic solvent. <i>Journal of Molecular Liquids</i> , 2021, 339, 116709.	2.3	10
2241	Recent advances in green pre-treatment methods of lignocellulosic biomass for enhanced biofuel production. <i>Journal of Cleaner Production</i> , 2021, 321, 129038.	4.6	59
2242	How do arenediazonium salts behave in deep eutectic solvents? A combined experimental and computational approach. <i>Journal of Molecular Liquids</i> , 2021, 339, 116743.	2.3	13
2243	Improving enzymatic digestibility of sugarcane bagasse from different varieties of sugarcane using deep eutectic solvent pretreatment. <i>Bioresource Technology</i> , 2021, 337, 125480.	4.8	46
2244	Advances in ionic liquids and deep eutectic solvents-based liquid phase microextraction of metals for sample preparation in Environmental Analytical Chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 143, 116398.	5.8	41
2245	Conversion of chitin biomass into 5-hydroxymethylfurfural: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 150, 111452.	8.2	32
2246	Bottom-up cubosome synthesis without organic solvents. <i>Journal of Colloid and Interface Science</i> , 2021, 601, 98-105.	5.0	9
2247	Novel hydrophobic deep eutectic solvents for ultrasound-assisted dispersive liquid-liquid microextraction of trace non-steroidal anti-inflammatory drugs in water and milk samples. <i>Microchemical Journal</i> , 2021, 170, 106686.	2.3	41
2248	Photoluminescence with an unusual open-loop and rigid delocalized conjugated structure in quantum dots. <i>Journal of Colloid and Interface Science</i> , 2021, 601, 385-396.	5.0	0
2249	High-index faceted Pt-Ru alloy concave nanocubes with enhancing ethanol and CO electro-oxidation. <i>Electrochimica Acta</i> , 2021, 396, 139266.	2.6	8
2250	Imidazolium-based deep eutectic solvents as multifunctional catalysts for multisite synergistic activation of epoxides and ambient synthesis of cyclic carbonates. <i>Journal of CO2 Utilization</i> , 2021, 53, 101717.	3.3	22
2251	Corrosion of iron, nickel and aluminium in deep eutectic solvents. <i>Electrochimica Acta</i> , 2021, 397, 139284.	2.6	11
2252	Green solvents to tune the biomolecules ^{â€™} solubilization in aqueous media: An experimental and in silico approach by COSMO-RS. <i>Journal of Molecular Liquids</i> , 2021, 341, 117314.	2.3	9
2253	Transglycosylation properties of a <i>Kluyveromyces lactis</i> enzyme preparation: Production of tyrosol β -fructoside using free and immobilized enzyme. <i>Process Biochemistry</i> , 2021, 110, 168-175.	1.8	5
2254	Techno-economic analysis of bioethanol preparation process via deep eutectic solvent pretreatment. <i>Industrial Crops and Products</i> , 2021, 172, 114036.	2.5	31
2255	Simultaneous determination of lobetyolin and atractylenolide III in <i>Codonopsis Radix</i> by dispersive liquid-liquid microextraction based on hydrophobic deep eutectic solvent. <i>Microchemical Journal</i> , 2021, 170, 106664.	2.3	8
2256	Effect of water on the structure and dynamics of choline chloride/glycerol eutectic systems. <i>Journal of Molecular Liquids</i> , 2021, 342, 117463.	2.3	41

#	ARTICLE	IF	CITATIONS
2257	Deep eutectic solvent mediated nanostructured copper oxide as a positive electrode material for hybrid supercapacitor device. <i>Journal of Molecular Liquids</i> , 2021, 341, 117319.	2.3	14
2258	The evaluation of phenolic content, in vitro antioxidant and antibacterial activity of <i>Mentha piperita</i> extracts obtained by natural deep eutectic solvents. <i>Food Chemistry</i> , 2021, 362, 130226.	4.2	44
2259	Determination of fluoroquinolones illegally added in traditional prostate medicines by ultrasonic-assisted dispersive liquid liquid micro-extraction based on deep eutectic solvent combined with quantitative ¹⁹ F nuclear magnetic resonance method. <i>Microchemical Journal</i> , 2021, 170, 106725.	2.3	5
2260	Regeneration of porous Fe ₃ O ₄ nanosheets from deep eutectic solvent for high-performance electrocatalytic nitrogen reduction. <i>Journal of Colloid and Interface Science</i> , 2021, 602, 64-72.	5.0	25
2261	Extractive distillation to produce anhydrous bioethanol with choline chloride with urea (1:2) as a solvent: a comparative evaluation of the equilibrium and the rate-based models. <i>Chemical Engineering and Processing: Process Intensification</i> , 2021, 168, 108580.	1.8	5
2262	Chemical structure-based models for prediction of density of ammonium and phosphonium-based deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2021, 343, 117595.	2.3	1
2263	Liquification of 2,2,4-trimethyl-1,3-pentanediol into hydrophobic eutectic mixtures: A multi-criteria design for eco-efficient boron recovery. <i>Chemical Engineering Journal</i> , 2021, 426, 131342.	6.6	24
2264	Integrated bioprocess for bio-ethanol production from watermelon rind biomass: Ultrasound-assisted deep eutectic solvent pretreatment, enzymatic hydrolysis and fermentation. <i>Renewable Energy</i> , 2021, 180, 258-270.	4.3	35
2265	Advances in the application of deep eutectic solvents based aqueous biphasic systems: An up-to-date review. <i>Biochemical Engineering Journal</i> , 2021, 176, 108211.	1.8	25
2266	Recent trends in the benign-by-design electrolytes for zinc batteries. <i>Journal of Molecular Liquids</i> , 2021, 343, 117606.	2.3	24
2267	Deep eutectic solvents as alternative green solvents for the efficient desulfurization of liquid fuel: A comprehensive review. <i>Fuel</i> , 2021, 305, 121502.	3.4	53
2268	Tuning critical solution temperature for CO ₂ capture by aqueous solution of amine. <i>Journal of Molecular Liquids</i> , 2021, 343, 117628.	2.3	12
2269	Deep eutectic solvent-assisted synthesis of porous Ni ₂ CO ₃ (OH) ₂ /SiO ₂ nanosheets for ultra-efficient removal of anionic dyes from water. <i>Journal of Colloid and Interface Science</i> , 2021, 604, 635-642.	5.0	5
2270	Synthesis of furfural from xylan in β -valerolactone/molten salt hydrate biphasic system. <i>Chemical Engineering Journal</i> , 2021, 425, 130608.	6.6	29
2271	Vortex assisted dispersive liquid-liquid microextraction based on low transition temperature mixture solvent for the HPLC determination of pyrethroids in water samples: Experimental study and COSMO-RS. <i>Microchemical Journal</i> , 2021, 171, 106780.	2.3	3
2272	Thermal conductivity of betaine-glycerol, betaine-1,2-propanediol based deep eutectic solvents. <i>Thermochimica Acta</i> , 2021, 706, 179055.	1.2	8
2273	Preparation and performance of highly active and long-life mesopore Ti/SnO ₂ @Sb electrodes for electrochemical degradation of phenol. <i>Journal of Alloys and Compounds</i> , 2021, 889, 161657.	2.8	15
2274	Extraction and separation of iridium(IV) and rhodium(III) from hydrochloric acid media by a quaternary ammonium-based hydrophobic eutectic solvent. <i>Separation and Purification Technology</i> , 2021, 278, 118814.	3.9	10

#	ARTICLE	IF	CITATIONS
2275	Biosolvents for biocatalysis. , 2021, , 85-107.		0
2276	On the molecular basis of H ₂ O/DMSO eutectic mixtures by using phenol compounds as molecular sensors: a combined NMR and DFT study. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 15645-15658.	1.3	3
2277	Natural deep eutectic systemsâ€”A new era of cryopreservation. <i>Advances in Botanical Research</i> , 2021, , 385-409.	0.5	3
2278	G�ndalardan Biyoaktif Bile�yiklerin Ekstraksiyonunda Derin A-tektik A�zlerindeki Alerin Kullanılması. A-mer Halisdemir Aeniversitesi Mhendislik Bilimleri Dergisi, 0, , .	0.2	0
2279	The structural properties of a ZnCl ₂ ethylene glycol binary system and the peculiarities at the eutectic composition. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 13136-13147.	1.3	15
2280	Application of Deep Eutectic Solvents for the Extraction of Carnosic Acid and Carnosol from Sage (<i>Salvia officinalis</i> L.) with Response Surface Methodology Optimization. <i>Plants</i> , 2021, 10, 80.	1.6	9
2281	Lignin promoted the fast formation of a robust and highly conductive deep eutectic solvent ionic gel at room temperature for a flexible quasi-solid-state supercapacitor and strain sensors. <i>Green Chemistry</i> , 2021, 23, 5120-5128.	4.6	47
2282	Anatomy of a deep eutectic solvent: structural properties of choline chloride:sesamol 1:3 compared to reline. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 11746-11754.	1.3	16
2283	Recent advances in the electrocatalytic synthesis of 2,5-furandicarboxylic acid from 5-(hydroxymethyl)furfural. <i>Journal of Materials Chemistry A</i> , 2021, 9, 20164-20183.	5.2	62
2284	Lignin-containing cellulose nanomaterials: preparation and applications. <i>Green Chemistry</i> , 2021, 23, 9723-9746.	4.6	159
2285	Deep eutectic solvent-based extraction of uranium(^{vi}) from a wide range acidity and subsequent determination by direct loading in thermal ionization mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 590-597.	1.6	6
2286	Advances in deep eutectic solvents and water: applications in metal- and biocatalyzed processes, in the synthesis of APIs, and other biologically active compounds. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 2558-2577.	1.5	87
2287	Non-volatile conductive gels made from deep eutectic solvents and oxidised cellulose nanofibrils. <i>Nanoscale Advances</i> , 2021, 3, 2252-2260.	2.2	18
2288	Deep Eutectic Solvents: Promising Co-solvents to Improve the Extraction Kinetics of CyMe ₄ -BTBP. <i>ACS Omega</i> , 2021, 6, 3602-3611.	1.6	5
2289	Degradation of polycarbonate to produce bisphenol A catalyzed by imidazolium-based DESs under metal-and solvent-free conditions. <i>RSC Advances</i> , 2021, 11, 1595-1604.	1.7	18
2290	Emerging and advanced techniques in the pretreatment of lignocellulosic biomass. , 2021, , 47-60.		0
2291	Eutectics: formation, properties, and applications. <i>Chemical Society Reviews</i> , 2021, 50, 8596-8638.	18.7	184
2292	Copper-catalyzed Goldberg-type C�N coupling in deep eutectic solvents (DESS) and water under aerobic conditions. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 1773-1779.	1.5	30

#	ARTICLE	IF	CITATIONS
2293	Synergistic Deep Eutectic Solvents for Lithium Extraction. ACS Sustainable Chemistry and Engineering, 2021, 9, 2152-2160.	3.2	66
2294	Natural deep eutectic solvents for sustainable extraction of pigments and antioxidants from agri-processing waste. , 2021, , 747-785.		0
2295	Microscopic structural features of water in aqueousâ€“reline mixtures of varying compositions. Physical Chemistry Chemical Physics, 2021, 23, 3779-3793.	1.3	17
2296	Biocompatible, flexible and conductive polymers prepared by biomass-derived ionic liquid treatment. Polymer Chemistry, 2021, 12, 2115-2121.	1.9	10
2299	Production of Biodiesel Using Ionic Liquids. Nanotechnology in the Life Sciences, 2020, , 245-269.	0.4	3
2303	Methods for Extraction of Bioactive Compounds from Plant and Animal Matter Using Deep Eutectic Solvents. Environmental Chemistry for A Sustainable World, 2021, , 183-240.	0.3	3
2304	Extraction of Plant and Algal Polyphenols Using Eutectic Solvents. Environmental Chemistry for A Sustainable World, 2021, , 241-306.	0.3	3
2305	Use of sustainable organic transformations in the construction of heterocyclic scaffolds. , 2020, , 245-352.		8
2306	Biomimetic oxygen activation and electron transfer mechanism for oxidative desulfurization. Applied Catalysis B: Environmental, 2020, 275, 119134.	10.8	62
2307	Broad range chemical profiling of natural deep eutectic solvent extracts using a high performance thin layer chromatographyâ€“based method. Journal of Chromatography A, 2018, 1532, 198-207.	1.8	59
2308	Dynamics of a PEG based non-ionic deep eutectic solvent: Temperature dependence. Fluid Phase Equilibria, 2017, 448, 22-29.	1.4	37
2309	Effect of some deep eutectic solvents based on choline chloride on thermodynamic properties of 5-hydroxymethylfurfural at T _A =Â(288.15 to 318.15) K. Journal of the Taiwan Institute of Chemical Engineers, 2020, 117, 1-9.	2.7	5
2310	Assessing biocatalysis using dihydrolevoglucosenone (Cyreneâ„¢) as versatile bio-based (co)solvent. Molecular Catalysis, 2020, 485, 110813.	1.0	27
2311	Natural deep eutectic solvents efficient catalytic conversion of cellulose to total reducing sugars (TRS). Journal of Molecular Liquids, 2020, 312, 113282.	2.3	18
2312	Novel Single-step Pretreatment of Steam Explosion and Choline Chloride to De-lignify Corn Stover for Enhancing Enzymatic Edibility. Process Biochemistry, 2020, 94, 273-281.	1.8	24
2313	How Pure and Hydrated Reline Deep Eutectic Solvents Affect the Conformation and Stability of Lysozyme: Insights from Atomistic Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2020, 124, 11919-11927.	1.2	28
2314	Systematic Screening of Deep Eutectic Solvents as Sustainable Separation Media Exemplified by the CO ₂ Capture Process. ACS Sustainable Chemistry and Engineering, 2020, 8, 8741-8751.	3.2	64
2315	Pursuit of reversible Zn electrochemistry: a time-honored challenge towards low-cost and green energy storage. NPG Asia Materials, 2020, 12, .	3.8	129

#	ARTICLE	IF	CITATIONS
2316	Chapter 7. Room-Temperature Ionic Liquids and Eutectic Mixtures. RSC Green Chemistry, 0, , 175-209.	0.0	2
2317	Improved stability of salvianolic acid B from Radix Salviae miltiorrhizae in deep eutectic solvents. Analytical Methods, 2016, 8, 2502-2509.	1.3	15
2318	Fundamental properties and practical applications of ionic liquids: concluding remarks. Faraday Discussions, 2018, 206, 587-601.	1.6	62
2319	Ionic liquid lubricants: when chemistry meets tribology. Chemical Society Reviews, 2020, 49, 7753-7818.	18.7	220
2320	A novel method for screening deep eutectic solvent to recycle the cathode of Li-ion batteries. Green Chemistry, 2020, 22, 4473-4482.	4.6	158
2321	Influence of the reaction time on the physical-chemical and catalytic properties of vanadium phosphate catalysts prepared by a eutectic mixture. Micro and Nano Letters, 2019, 14, 1126-1130.	0.6	4
2322	Are emerging deep eutectic solvents (DES) relevant for lipase-catalyzed lipophilizations?. OCL - Oilseeds and Fats, Crops and Lipids, 2015, 22, D408.	0.6	10
2323	Hydrothermal extraction of antioxidant compounds from mangosteen pericarp with low-transition-temperature mixture and sonication pretreatment. AIP Conference Proceedings, 2017, , .	0.3	2
2324	Comparative electrochemical behavior of poly (3-aminobenzoic acid) films in conventional and non-conventional solvents. AIP Conference Proceedings, 2020, , .	0.3	2
2325	Facile Protocol for the Synthesis of 2-Amino-4H-Chromene Derivatives using Choline Chloride/Urea. Organic Preparations and Procedures International, 2021, 53, 34-41.	0.6	13
2326	Green synthesis of tetraketones: crystal structure, DFT studies and Hirshfeld surface analysis of 2,2-((3,4-dimethoxyphenyl) methylene) bis(3-hydroxy-5,5-dimethylcyclohex-2-enone). Molecular Crystals and Liquid Crystals, 2020, 709, 81-97.	0.4	3
2327	Fatigue Strength of Wood and the Relaxation State of Its Polymer Components. Doklady Physical Chemistry, 2020, 491, 33-35.	0.2	7
2328	Analysis of Antioxidant Capacity of Chromones in Saposhnikovia Radix Obtained by Ultrasonic-Assisted Deep Eutectic Solvents Extraction. Journal of Analytical Methods in Chemistry, 2020, 2020, 1-9.	0.7	4
2329	A Novel Application of the Quartz Crystal Microbalance for Determining the Rheological Properties of the Highly Viscous Liquids. Acta Physica Polonica A, 2016, 130, 239-244.	0.2	14
2330	Tailoring the morphology of poly(high internal phase emulsions) synthesized by using deep eutectic solvents. E-Polymers, 2020, 20, 185-193.	1.3	5
2331	A review of sustainable lignocellulose biorefining applying (natural) deep eutectic solvents (DESs) for separations, catalysis and enzymatic biotransformation processes. Reviews in Chemical Engineering, 2022, 38, 243-272.	2.3	69
2332	Performance of Local Composition Models to Correlate the Aqueous Solubility of Naproxen in Some Choline Based Deep Eutectic Solvents at T = (298.15-313.15) K. Pharmaceutical Sciences, 2019, 25, 244-253.	0.1	13
2333	Interaction Study of Binary Solvent Systems Ionic Liquid and Deep Eutectic Solvent with Rotenone. Sains Malaysiana, 2018, 47, 1473-1482.	0.3	8

#	ARTICLE	IF	CITATIONS
2334	Properties and green applications based review on highly efficient deep eutectic solvents. Egyptian Journal of Chemistry, 2019, .	0.1	3
2335	Electrochemical Synthesis of Conducting Polymers Involving Deep Eutectic Solvents. Current Nanoscience, 2020, 16, 478-494.	0.7	8
2336	Natural Deep Eutectic Solvents in Extraction Process. Chemistry and Chemical Technology, 2016, 10, 601-606.	0.2	39
2337	Deep Eutectic Solvent-based Vortex-assisted Dispersive Liquid-liquid Microextraction Combined with High Performance Liquid Chromatography for the Determination of Phenolic Acids in Vegetable Oils. Food Science and Technology Research, 2019, 25, 563-568.	0.3	6
2338	ANOT CÄœRUFLARINDAN BAKIRIN GERÄ° KAZANIMINDA DÄœÅžÄœK ERÄ°ME NOKTALI Ä†Ä–ZÄœCÄœ KULLANIMININ ARAÄžTIRILMASI. EskiÄŸehir Osmangazi Äœniversitesi MÄ¼hendislik Ve MimarlÄ±k FakÄ¼ltesi Dergisi, 2020, 28, 308-320.	0.0	1
2339	Deep Eutectic Solvent Synthesis of LiMnPO ₄ /C Nanorods as a Cathode Material for Lithium Ion Batteries. Materials, 2017, 10, 134.	1.3	26
2340	Using Deep Eutectic Solvents for the Removal of Glycerol from Palm Oil-Based Biodiesel. Journal of Applied Sciences, 2010, 10, 3349-3354.	0.1	129
2341	Physical, Thermal and Structural Properties of 1 Choline Chloride: 2 Urea Based Ionic Liquids. Poly(amino Acid)-Catalyzed Epoxidation, 2020, 10, 417-424.	0.1	3
2342	Ionic Liquids and Deep Eutectic Solvents and Their Use for Dissolving Animal Hair. Advances in Chemical Engineering and Science, 2020, 10, 40-51.	0.2	5
2343	Scientific specialties in Green Chemistry. Iberoamerican Journal of Science Measurement and Communication, 2020, 1, 005.	1.6	4
2344	Development of Environmental Benign Organic Synthesis based on Advanced Biocatalysis Processes Regulated by a Chemical Method. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2011, 69, 214-228.	0.0	3
2345	Citric acid-based deep eutectic solvents: Physical properties and their use as cosolvents in sulphuric acid-catalysed ethanolysis of oleic acid. Advanced Technologies, 2016, 5, 53-65.	0.2	16
2346	Biocatalysis in ionic liquids: state-of-the-union. Green Chemistry, 2021, 23, 8406-8427.	4.6	30
2347	Tetramethylurea dimer/lithium salt-based deep eutectics as a novel class of eutectic electrolytes. Materials Chemistry Frontiers, 2021, 5, 8078-8085.	3.2	5
2348	Formation of double-cone-shaped ZnO mesocrystals by addition of ethylene glycol to ZnO dissolved choline chloride-urea deep eutectic solvents and observation of their manners of growth. CrystEngComm, 2021, 23, 8367-8378.	1.3	1
2349	Deep eutectic solvent electrolysis for preparing water-soluble magnetic iron oxide nanoparticles. Nanoscale, 2021, 13, 19004-19011.	2.8	14
2350	Neoteric solvent-based blue biorefinery: for chemicals, functional materials and fuels from oceanic biomass. Green Chemistry, 2021, 23, 8821-8847.	4.6	14
2351	An expeditious and highly efficient synthesis of substituted pyrroles using a low melting deep eutectic mixture. Organic and Biomolecular Chemistry, 2021, 19, 9732-9745.	1.5	24

#	ARTICLE	IF	CITATIONS
2352	Sustainable multicomponent one pot synthesis of pyranopyrazole derivatives in the presence of Lactic acid: Urea: NH ₄ Cl. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100194.	2.9	3
2353	Uncovering the potential of aqueous solutions of deep eutectic solvents on the extraction and purification of collagen type I from Atlantic codfish (<i>Gadus morhua</i>). <i>Green Chemistry</i> , 2021, 23, 8940-8948.	4.6	20
2355	Biomass delignification with green solvents towards lignin valorisation: ionic liquids vs deep eutectic solvents. <i>Acta Innovations</i> , 2021, , 64-78.	0.4	20
2356	Hydrophobic magnetic deep eutectic solvent: Synthesis, properties, and application in DNA separation. <i>Journal of Chromatography A</i> , 2021, 1659, 462626.	1.8	18
2357	Furfural and 5-Hydroxymethylfurfural Production from Sugar Mixture Using Deep Eutectic Solvent/MIBK System. <i>ChemistryOpen</i> , 2021, 10, 1004-1012.	0.9	15
2358	Deep eutectic solvents – The vital link between ionic liquids and ionic solutions. <i>Journal of Chemical Physics</i> , 2021, 155, 150401.	1.2	45
2359	Natural Deep Eutectic Solvents (NaDESs) as Alternative Green Extraction Media for Ginger (<i>Zingiber</i>) Tj ETQq0 0 0 rBT /Overlock 10 Tf	2.2	17
2360	Investigating the Role of Natural Deep Eutectic Low Melting Mixtures for the Synthesis of Symmetrical Bisamides. <i>ChemistrySelect</i> , 2021, 6, 10948-10956.	0.7	11
2361	Electrochemical Decomposition of Primary Alcohol Groups in Deep Eutectic Solvents. <i>Journal of the Electrochemical Society</i> , 2021, 168, 106506.	1.3	6
2362	Vortex-assisted dispersive liquid-phase microextraction for the analysis of main active compounds from Zi Cao Cheng Qi decoction based on a hydrophobic deep eutectic solvent. <i>Journal of Separation Science</i> , 2021, 44, 4376-4383.	1.3	7
2363	A new grey relational analysis application in analytical chemistry: Natural deep eutectic solvent as a green extractant for HPLC determination of lamotrigine in plasma. <i>Microchemical Journal</i> , 2022, 172, 106918.	2.3	5
2364	Why do ammonium salt/phenol-based deep eutectic solvents show low viscosity?. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103512.	2.3	4
2365	Green Extraction of Volatile Fatty Acids from Fermented Wastewater Using Hydrophobic Deep Eutectic Solvents. <i>Fermentation</i> , 2021, 7, 226.	1.4	26
2366	Investigation of zinc electronucleation and growth mechanisms onto platinum electrode from a deep eutectic solvent for gas sensing applications. <i>Journal of Applied Electrochemistry</i> , 2022, 52, 299-309.	1.5	8
2367	Deep eutectic systems: An overview of fundamental aspects, current understanding and drug delivery applications. <i>International Journal of Pharmaceutics</i> , 2021, 610, 121203.	2.6	21
2368	Choline Chloride-Based DES as Solvents/Catalysts/Chemical Donors in Pharmaceutical Synthesis. <i>Molecules</i> , 2021, 26, 6286.	1.7	26
2369	Deep eutectic solvent as a possible entrainer for industrial separation problems: Pre-screening tool for solvent selection. <i>Fluid Phase Equilibria</i> , 2022, 553, 113266.	1.4	18
2370	Recent advances in lignocellulosic biomass for biofuels and value-added bioproducts - A critical review. <i>Bioresource Technology</i> , 2022, 344, 126195.	4.8	222

#	ARTICLE	IF	CITATIONS
2371	The excess volumes of protic ionic liquids and its significance to their thermodynamic modelling. <i>Fluid Phase Equilibria</i> , 2022, 552, 113277.	1.4	2
2372	An overview of the applications of ionic fluids and deep eutectic solvents enhanced by nanoparticles. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 7589-7601.	2.0	9
2373	Deep Eutectic Solvents: Green Approach for Cathode Recycling of Li-ion Batteries. <i>Advanced Energy and Sustainability Research</i> , 2022, 3, 2100133.	2.8	47
2374	Comparing the extraction performance of cyclodextrin-containing supramolecular deep eutectic solvents versus conventional deep eutectic solvents by headspace single drop microextraction. <i>Journal of Chromatography A</i> , 2021, 1658, 462588.	1.8	22
2375	Unexpected hydrophobic to hydrophilic transition of PET fabric treated in a deep eutectic solvent of choline chloride and oxalic acid. <i>Polymer</i> , 2021, 234, 124246.	1.8	14
2376	Formation of stoichiometric and non-stoichiometric ionic liquid and cocrystal multicomponent phases of lidocaine with azelaic acid by changing counterion ratios. <i>Journal of Molecular Liquids</i> , 2021, 344, 117737.	2.3	6
2377	Carboxylate functionalized imidazolium-based zwitterions as benign and sustainable solvent for cellulose dissolution: Synthesis and characterization. <i>Journal of Molecular Liquids</i> , 2021, 344, 117724.	2.3	3
2378	Separation of lithium from alkaline solutions with hydrophobic deep eutectic solvents based on β -diketone. <i>Journal of Molecular Liquids</i> , 2021, 344, 117729.	2.3	18
2379	Electrolytes, Classification. , 2014, , 761-764.		0
2380	Electrochemical Study of Cobalt in Urea and Choline Chloride. , 2016, , 807-815.		0
2381	31 Lipid Biotechnology and Biochemistry. , 2017, , 779-824.		1
2383	DETERMINAÇÃO DE CURVAS DE EQUILÍBRIO SÓLIDO-LÍQUIDO DE SOLVENTES EUTÉTICOS PROFUNDOS (DES) EMPREGANDO A CALORIMETRIA EXPLORATÓRIA DIFERENCIAL (DSC). , 0, , .		0
2384	THERMODYNAMIC MODELING OF PSEUDOTERNARY AQUEOUS TWO PHASES SYSTEMS WITH DEEP EUTECTIC SOLVENTS. , 2018, , .		0
2385	Characterization of Pectin Extracted from Guava Peels Using Deep Eutectic Solvent and Citric Acid. , 2020, , 421-433.		2
2386	Chromium electrodeposition using electrolytes based on trivalent chromium compounds: a review. <i>Voprosy Khimii i Khimicheskoi Tekhnologii</i> , 2020, , 4-29.	0.1	3
2387	Aqueous mixture viscosities of phenolic deep eutectic solvents. <i>Fluid Phase Equilibria</i> , 2022, 553, 113290.	1.4	4
2388	Deep Eutectic Solvents: Are They Safe?. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10061.	1.3	66
2389	Molecular and Spectroscopic Insights into a Metal Salt-Based Deep Eutectic Solvent: A Combined Quantum Theory of Atoms in Molecules, Noncovalent Interaction, and Density Functional Theory Study. <i>Journal of Physical Chemistry A</i> , 2021, 125, 9680-9690.	1.1	10

#	ARTICLE	IF	CITATIONS
2390	Fabricating Sustainable All-Cellulose Composites. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10069.	1.3	19
2391	Bulk and interfacial nanostructure and properties in deep eutectic solvents: Current perspectives and future directions. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 2430-2454.	5.0	45
2392	Design of functional glycerol-based deep eutectic solvents as reaction media for enzymatic deacidification of high-acid rice bran oil. <i>Biochemical Engineering Journal</i> , 2022, 177, 108257.	1.8	7
2393	CO ₂ Capture Using Crude Glycerol-Derived Deep Eutectic Solvents. <i>Springer Proceedings in Energy</i> , 2020, , 735-743.	0.2	0
2394	Green Solvents for Analytical Chemistry. <i>RSC Green Chemistry</i> , 2020, , 221-254.	0.0	0
2395	Type of green solvents used in separation and preconcentration methods. , 2020, , 207-266.		10
2396	Utilization of Deep Eutectic Solvents to Reduce the Release of Hazardous Gases to the Atmosphere: A Critical Review. <i>Molecules</i> , 2021, 26, 75.	1.7	40
2397	Influence of Deep Eutectic Solvents (DESs) on Antioxidant and Antimicrobial Activity of Seed Extracts of Selected Citrus Species. <i>International Research Journal of Pure and Applied Chemistry</i> , 0, , 120-128.	0.2	1
2398	Natural deep eutectic solvents for enhancing the solubility of two B vitamins in aqueous solutions: Experimental study and thermodynamic aspects. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 2307-2316.	1.2	1
2399	An Evaluation on the Electrochemical Recovery of Indium from Water Insoluble Indium Oxide in a Choline Chloride-Malonic Acid Eutectic Electrolyte. <i>Journal of the Electrochemical Society</i> , 2020, 167, 162512.	1.3	2
2400	Structure and dynamics of thymol - fatty acids based deep eutectic solvent investigated by molecular dynamics simulation. <i>Fluid Phase Equilibria</i> , 2022, 552, 113241.	1.4	18
2401	New benzyltriethylammonium/urea deep eutectic solvent: Quantum calculation and application to hydroxylethylcellulose modification. <i>Carbohydrate Polymers</i> , 2022, 276, 118737.	5.1	7
2402	The multiscale solvation effect on the reactivity of \hat{I}^2 -O-4 of lignin dimers in deep eutectic solvents. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 25699-25705.	1.3	5
2403	Biovalorization of winery industry waste to produce value-added products. , 2020, , 63-85.		5
2404	Measurement of CO ₂ Solubility in Amine Based Deep Eutectic Solvents. <i>International Journal of Environmental Science and Development</i> , 2020, 11, 438-441.	0.2	1
2405	Rapid preparation of PAM/N-CNT nanocomposite hydrogels by DEM frontal polymerization and its performance study. <i>RSC Advances</i> , 2021, 11, 35268-35273.	1.7	12
2406	CO ₂ capture from flue gas using phosphonium based deep eutectic solvents: Modeling and simulation approach. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106727.	3.3	27
2407	Green and Efficient Synthesis of Fluorescent Bis(pyrazolyl)methanes in Choline Chloride/Urea Deep Eutectic Solvent. <i>Letters in Organic Chemistry</i> , 2020, 17, 548-554.	0.2	2

#	ARTICLE	IF	CITATIONS
2408	Aproveitamento integral de matérias-primas oleaginosas com solventes verdes: revisões e oportunidades. Research, Society and Development, 2020, 9, e372985388.	0.0	2
2409	The Possibility to Obtain a New Generation of Ionic Liquids Starting From Natural Compounds. , 2008, , 13-35.		2
2410	Electrodeposition of Single β -phase Zn-Ni Alloy from Deep Eutectic Solvents using Metal Oxides as Precursors. Journal of the Electrochemical Society, 2020, 167, 132505.	1.3	4
2411	Understanding the Basics and Properties of Deep Eutectic Solvents. Environmental Chemistry for A Sustainable World, 2021, , 1-40.	0.3	4
2412	On Room-Temperature Electrodeposition of Cobalt from a Deep Eutectic Solvent: A Study of Electronucleation and Growth Mechanisms. Lecture Notes in Networks and Systems, 2021, , 613-618.	0.5	0
2413	Green Solvent: Green Shadow on Chemical Synthesis. Current Organic Synthesis, 2020, 17, 426-439.	0.7	4
2414	Solubility Enhancement of Betamethasone, Meloxicam and Piroxicam by Use of Choline-Based Deep Eutectic Solvents. Pharmaceutical Sciences, 2020, 27, 86-101.	0.1	16
2415	Deep Eutectic Solvents: An Alternative Medium for the Preparation of Organosulfur Compounds. Current Green Chemistry, 2020, 7, 179-200.	0.7	3
2416	Adhesion behaviour of bulk supramolecular polymers via pillar[5]arene-based molecular recognition. Chemical Communications, 2021, 57, 13317-13320.	2.2	4
2417	Extraction and modification of hemicellulose from lignocellulosic biomass: A review. Green Processing and Synthesis, 2021, 10, 779-804.	1.3	55
2418	Straightforward and rapid Petasis multicomponent reactions in deep eutectic solvent. Current Research in Green and Sustainable Chemistry, 2021, 4, 100220.	2.9	4
2419	Deep eutectic solvents in microextraction. , 2021, , 471-512.		5
2420	Natural deep eutectic solvents as tailored and sustainable media for the extraction of five compounds from compound liquorice tablets and their comparison with conventional organic solvents. RSC Advances, 2021, 11, 37649-37660.	1.7	12
2421	Deep eutectic solvents in liquid-phase microextraction: Contribution to green chemistry. TrAC - Trends in Analytical Chemistry, 2022, 146, 116478.	5.8	73
2422	Achievements and perspectives of using deep eutectic solvents in the analytical chemistry field. , 2022, , 33-72.		1
2423	A review of green solvent extraction techniques and their use in antibiotic residue analysis. Journal of Pharmaceutical and Biomedical Analysis, 2022, 209, 114487.	1.4	24
2424	New natural deep eutectic solvents based on aromatic organic acids. Green Chemistry Letters and Reviews, 2021, 14, 713-719.	2.1	11
2425	Electrodeposition of Nanostructured Chromium Conglomerates from Cr(III) Dissolved in a Deep Eutectic Solvent: Influence of Forced Convection. Journal of the Electrochemical Society, 2021, 168, 112512.	1.3	5

#	ARTICLE	IF	CITATIONS
2426	Polyethylene glycol as a green chemical solvent. <i>Current Opinion in Colloid and Interface Science</i> , 2022, 57, 101537.	3.4	24
2427	Robust Trioptical-State Electrochromic Energy Storage Device Enabled by Reversible Metal Electrodeposition. <i>ACS Energy Letters</i> , 2021, 6, 4328-4335.	8.8	36
2428	Synergy of high permeability and selectivity of superbase/choline chloride/urea solution impregnated membranes for CO ₂ capture. <i>Carbon Capture Science & Technology</i> , 2021, 1, 100019.	4.9	13
2429	Enhanced Dissolution of Chitin Using Acidic Deep Eutectic Solvents: A Sustainable and Simple Approach to Extract Chitin from Crayfish shell Wastes as Alternative Feedstocks. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 16073-16081.	3.2	23
2430	Choline Chloride Urea Effect on Liquid-Liquid Equilibria of 5-Hydroxymethylfurfural-Water-Organic Solvent Systems in the Absence and Presence of Sodium Chloride. <i>Journal of Chemical & Engineering Data</i> , 2021, 66, 4684-4696.	1.0	5
2431	COSMO-RS prediction and experimental verification of deep eutectic solvents for water insoluble pesticides with high solubility. <i>Journal of Molecular Liquids</i> , 2022, 349, 118139.	2.3	7
2432	In Silico Elucidation of Molecular Picture of Water-Choline Chloride Mixture. <i>Journal of Physical Chemistry B</i> , 2021, 125, 13212-13228.	1.2	10
2433	Temperature-Dependent Dielectric Relaxation in Ionic Acetamide Deep Eutectics: Partial Viscosity Decoupling and Explanations from the Simulated Single-Particle Reorientation Dynamics and Hydrogen-Bond Fluctuations. <i>Journal of Physical Chemistry B</i> , 2021, 125, 12552-12567.	1.2	7
2434	Evaluation of Deep Eutectic Systems as an Alternative to Solvents in Painting Conservation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 15451-15460.	3.2	11
2435	Application of deep eutectic solvents (DEEs) as trace level drug extractants and drug solubility enhancers: State-of-the-art, prospects and challenges. <i>Journal of Molecular Liquids</i> , 2022, 349, 118105.	2.3	23
2436	Determination of Thiophanate-Methyl and Carbendazim from Environmental Water by Liquid-Liquid Microextraction (LLME) Using a Terpenoid-Based Hydrophobic Deep Eutectic Solvent and High-Performance Liquid Chromatography (HPLC). <i>Analytical Letters</i> , 2022, 55, 1235-1248.	1.0	8
2437	Deep Eutectic Solvents Application in Food Analysis. <i>Molecules</i> , 2021, 26, 6846.	1.7	19
2438	Does urea modify microheterogeneous nature of ionic amide deep eutectics? Clues from non-reactive and reactive solute-centered dynamics. <i>Journal of Molecular Liquids</i> , 2022, 349, 118126.	2.3	7
2439	Optimization of the extraction process of flavonoids from <i>Trollius ledebouri</i> with natural deep eutectic solvents. <i>Journal of Separation Science</i> , 2022, 45, 717-727.	1.3	15
2440	Efficient separation of phenols from phenols-containing oil mixtures via forming hydrogen bonds. <i>Journal of Fuel Chemistry and Technology</i> , 2021, 49, 1584-1592.	0.9	2
2441	Therapeutic Deep Eutectic Systems towards the Treatment of Tuberculosis and Colorectal Cancer: Opportunities and Challenges. <i>Molecules</i> , 2021, 26, 7022.	1.7	12
2442	Advances in Lignocellulosic Biomass Pretreatment Strategies. <i>Studies in Systems, Decision and Control</i> , 2022, , 71-89.	0.8	3
2443	Solvation Effects in Organic Chemistry: A Short Historical Overview. <i>Journal of Organic Chemistry</i> , 2022, 87, 1616-1629.	1.7	36

#	ARTICLE	IF	CITATIONS
2444	New insight and evaluation of secondary Amine/N-butanol biphasic solutions for CO ₂ Capture: Equilibrium Solubility, phase separation Behavior, absorption Rate, desorption Rate, energy consumption and ion species. <i>Chemical Engineering Journal</i> , 2022, 431, 133912.	6.6	9
2445	Effect of hydrogen bond donor molecules ethylene glycerol and lactic acid on electrochemical interfaces in choline chloride based-deep eutectic solvents. <i>Journal of Chemical Physics</i> , 2021, 155, 244702.	1.2	10
2446	Deep eutectic solvents microbial toxicity: Current state of art and critical evaluation of testing methods. <i>Journal of Hazardous Materials</i> , 2022, 425, 127963.	6.5	64
2447	Efficient Recovery of Value Metals from Spent Lithium-Ion Batteries by Combining Deep Eutectic Solvents and Coextraction. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 1149-1159.	3.2	55
2448	Aqueous biphasic systems created with choline chloride-fructose natural deep eutectic solvents and polypropylene glycol 400 and usage of these systems for extraction of some commonly used drugs. <i>Fluid Phase Equilibria</i> , 2022, 555, 113348.	1.4	9
2449	Deep eutectic solvents for efficient capture of cyclohexane in volatile organic compound: Thermodynamic and molecular mechanism. <i>AIChE Journal</i> , 2022, 68, e17535.	1.8	19
2450	Mass transfer kinetics during the extraction of m-cresol from model coal tar using betaine/glycerol deep eutectic solvents. <i>Chemical Engineering Research and Design</i> , 2022, 177, 732-740.	2.7	9
2451	Study on enhanced extraction and seasonal variation of secondary metabolites in <i>Eucommia ulmoides</i> leaves using deep eutectic solvents. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 209, 114514.	1.4	12
2452	K ₂ CO ₃ /PG DES Promoted Transition Metal Free Room Temperature Synthesis of Nitroaldols and Nitroolefins. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2453	Eutectic-based liposome as a potential delivery system of paeonol. <i>RSC Advances</i> , 2021, 11, 39343-39348.	1.7	0
2454	Comparative phenolic content and antioxidant activity of some medicinal plant extracts prepared by choline chloride based green solvents and methanol. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100224.	2.9	9
2455	Simulation of deep eutectic solvents: Progress to promises. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2022, 12, e1598.	6.2	22
2456	Extraction cellulose from corn-stalk taking advantage of pretreatment technology with immobilized enzyme. <i>RSC Advances</i> , 2021, 12, 1208-1215.	1.7	13
2457	Preparation of electrochemically stable choline chloride-sugar based sustainable electrolytes and study of effect of water on their electrochemical behaviour. <i>Materials Today: Proceedings</i> , 2022, 53, 179-184.	0.9	2
2458	CO ₂ capture by alcohol ammonia based deep eutectic solvents with different water content. <i>Materials Research Express</i> , 2022, 9, 015504.	0.8	12
2459	Natural green deep eutectic solvents-based eco-friendly and efficient extraction of flavonoids from <i>Selaginella moellendorffii</i> : Process optimization, composition identification and biological activity. <i>Separation and Purification Technology</i> , 2022, 283, 120203.	3.9	24
2460	Insight into the physicochemical properties of deep eutectic solvents by systematically investigating the components. <i>Journal of Molecular Liquids</i> , 2022, 346, 118315.	2.3	6
2461	Effect of water on amine-based deep eutectic solvents (choline chloride + monoethanolamine): Structure and physicochemical properties. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 106952.	3.3	7

#	ARTICLE	IF	CITATIONS
2462	Ultrasound-assisted deep eutectic solvent/petroleum ether biphasic system for the green and efficient production of diosgenin. <i>Cleaner Engineering and Technology</i> , 2022, 6, 100361.	2.1	0
2463	Enhancing enzymatic digestibility of bamboo residues using a three-constituent deep eutectic solvent pretreatment. <i>Bioresource Technology</i> , 2022, 346, 126639.	4.8	35
2464	Imidazolium-urea low transition temperature mixtures for the UHP-promoted oxidation of boron compounds. <i>Journal of Molecular Liquids</i> , 2022, 347, 118349.	2.3	6
2465	Thermodynamic analysis of absorption energy storage cycle with choline based green solvents. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 50, 101831.	1.7	1
2466	Non-ionic deep eutectic solvents for membrane formation. <i>Journal of Membrane Science</i> , 2022, 646, 120238.	4.1	26
2467	Highly efficient extraction of indole from model wash oil by using environmentally benign deep eutectic solvents. <i>Separation and Purification Technology</i> , 2022, 285, 120381.	3.9	20
2468	Enzyme-deep eutectic solvent pre-treatment for extraction of essential oil from <i>Mentha haplocalyx</i> Briq. leaves: Kinetic, chemical composition and inhibitory enzyme activity. <i>Industrial Crops and Products</i> , 2022, 177, 114429.	2.5	8
2469	The effect of ZIF-67 nanoparticles on the desulfurization performance of deep eutectic solvent based nanofluid system. <i>Journal of Hazardous Materials</i> , 2022, 426, 128098.	6.5	13
2470	A priori design of new natural deep eutectic solvent for lutein recovery from microalgae. <i>Food Chemistry</i> , 2022, 376, 131930.	4.2	32
2471	Effect of natural deep eutectic solvent and chitosan nanoparticles on physicochemical properties of locust bean gum films. <i>Food Hydrocolloids</i> , 2022, 126, 107460.	5.6	15
2472	Strategy for Sustainable and Green Chromatographic Separation Science: Innovation, Technology and Application. <i>Current Chromatography</i> , 2020, 7, 5-16.	0.1	1
2473	Parameters Influencing Lipase-Catalyzed Glycolipid Synthesis by (Trans-)Esterification Reaction. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2021, , .	0.6	1
2474	Water-Induced Restructuring of the Surface of a Deep Eutectic Solvent. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 634-641.	2.1	11
2475	Novel Binary Mixtures of Alkanolamine Based Deep Eutectic Solvents with Water—Thermodynamic Calculation and Correlation of Crucial Physicochemical Properties. <i>Molecules</i> , 2022, 27, 788.	1.7	10
2477	Deep eutectic solvents composed of bio-phenol-derived superbase ionic liquids and ethylene glycol for CO ₂ capture. <i>Chemical Communications</i> , 2022, 58, 2160-2163.	2.2	27
2478	Combination of air/moisture/ambient temperature compatible organolithium chemistry with sustainable solvents: selective and efficient synthesis of guanidines and amidines. <i>Green Chemistry</i> , 2022, 24, 800-812.	4.6	7
2479	Application of hydrophobic deep eutectic solvent for the extraction of aromatic compounds from contaminated water. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 1299-1306.	1.2	6
2480	Nanostructuring and macroscopic behavior of type V deep eutectic solvents based on monoterpenoids. <i>Physical Chemistry Chemical Physics</i> , 2021, 24, 512-531.	1.3	28

#	ARTICLE	IF	CITATIONS
2481	Impact of deep eutectic solvents (DESS) and individual DES components on alcohol dehydrogenase catalysis: connecting experimental data and molecular dynamics simulations. <i>Green Chemistry</i> , 2022, 24, 1120-1131.	4.6	37
2482	Evaluation of Deep Eutectic Solvent Performance for the Extraction of Free 3-Monochloropropane-1,2-diol (3-MCPD) from Model Oil "COSMO-RS and Experimental Validation. <i>European Journal of Lipid Science and Technology</i> , 0, , 2100165.	1.0	0
2483	Application of Deep Eutectic Solvents in the Synthesis of Substituted 2-Mercaptoquinazolin-4(3H)-Ones: A Comparison of Selected Green Chemistry Methods. <i>Molecules</i> , 2022, 27, 558.	1.7	8
2484	Stability Enhancement of Zinc-Ion Batteries Using Non-Aqueous Electrolytes. <i>Batteries and Supercaps</i> , 2022, 5, .	2.4	31
2485	Influence of hydrogen bond donor on zinc chloride in separation of binary mixtures: Activity coefficients at infinite dilution. <i>Journal of Molecular Liquids</i> , 2022, 351, 118596.	2.3	20
2486	Membranes for redox flow batteries. , 2022, , 255-406.		0
2487	Ionic liquids and deep eutectics as a transformative platform for the synthesis of nanomaterials. <i>Chemical Communications</i> , 2022, 58, 3865-3892.	2.2	49
2488	Dynamics of molecular associates in methanol/water mixtures. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 2287-2299.	1.3	2
2489	Integrated technologies for extractives recovery, fractionation, and bioethanol production from lignocellulose. , 2022, , 107-139.		1
2490	Extraction of bioactive compounds from plants by means of new environmentally friendly solvents. , 2022, , 301-332.		0
2491	Copper Deposition on Au(111) in a Deep Eutectic Solvent: An In Situ STM Study**. <i>ChemElectroChem</i> , 2022, 9, .	1.7	10
2492	Sustainability of green solvents " review and perspective. <i>Green Chemistry</i> , 2022, 24, 410-437.	4.6	95
2493	Thermophysical Properties and Liquid-Liquid Equilibria of Pseudoternary Systems {Toluene + <i>n</i> -Heptane + Deep Eutectic Solvents Based on Levulinic Acid}. <i>Journal of Chemical & Engineering Data</i> , 2022, 67, 416-427.	1.0	5
2494	A novel material based on deep eutectic solvents and its application in in situ modified silica-reinforced styrene-butadiene rubber. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	5
2495	Intensification of formic acid from dilute aqueous solutions using menthol based hydrophobic deep eutectic solvents. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100303.	1.3	5
2496	Structural adaptations in the bovine serum albumin protein in archetypal deep eutectic solvent reline and its aqueous mixtures. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 5627-5637.	1.3	15
2497	Preparation of ZnO Nanoparticles from Zn-containing Rotary Hearth Furnace Dust. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2022, 37, 32-37.	0.4	1
2498	Transitioning from Ionic Liquids to Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 1232-1245.	3.2	22

#	ARTICLE	IF	CITATIONS
2499	Computer simulation applied to structural analysis and experimental applications of natural deep eutectic solvents. , 2022, , 281-297.		1
2500	Hydrophobic Eutectic Solvents Based on Perfluorinated Hydrogen Bond Donors as Extractants for Dispersive Liquidâ€“Liquid Microextraction. <i>Chromatographia</i> , 2022, 85, 255.	0.7	1
2501	Deep Eutectic Solvents for Starch Treatment. <i>Polymers</i> , 2022, 14, 220.	2.0	19
2502	Calorimetric effect and thermokinetics in the formation process of a deep eutectic solvent. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 1399-1404.	1.3	2
2503	Catalyst-free synthesis of poly(furfuryl alcohol) using deep eutectic solvents. <i>New Journal of Chemistry</i> , 2022, 46, 3786-3793.	1.4	6
2504	Isonothermal synthesis of calcium-based metalâ€“organic frameworks in a deep eutectic solvent. <i>CrystEngComm</i> , 2022, 24, 601-608.	1.3	7
2505	Influence of Pre-Adsorbed TiO ₂ Particles on the Nucleation and Growth Mechanism of Ni in Deep Eutectic Solvent Electro-Codeposition. <i>Journal of Physical Chemistry C</i> , 2022, 126, 957-964.	1.5	0
2506	Quasi-solid conductive gels with high thermoelectric properties and high mechanical stretchability consisting of a low cost and green deep eutectic solvent. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4222-4229.	5.2	34
2507	Synthesis of methyl cinnamate catalyzed by deep eutectic solvents based on choline chloride: kinetic studies. <i>Brazilian Journal of Chemical Engineering</i> , 2022, 39, 715-726.	0.7	5
2508	Electrodeposition of Cu onto Au(111) from Deep Eutectic Solvents: Molar Ratio of Salt and Hydrogen Bond Donor. <i>ChemElectroChem</i> , 2022, 9, .	1.7	6
2509	Integrating Biocatalysis with Viscous Deep Eutectic Solvents in Labâ€“Onâ€“Aâ€“Chip Microreactors. <i>ChemSusChem</i> , 2022, 15, e202102674.	3.6	6
2510	Recent Advances in Utilization of Deep Eutectic Solvents: An Environmentally Friendly Pathway for Multi-component Synthesis. <i>Current Organic Chemistry</i> , 2022, 26, 299-323.	0.9	15
2511	Reline deep eutectic solvent as a green electrolyte for electrochemical energy storage applications. <i>Energy and Environmental Science</i> , 2022, 15, 1156-1171.	15.6	74
2512	Excess Properties of and Simultaneous Effects of Important Parameters on CO ₂ Solubility in Binary Mixture of Water-Phosphonium Based-Deep Eutectic Solvents: Response Surface Methodology (RSM) and Taguchi Method. <i>Energy & Fuels</i> , 2022, 36, 1960-1972.	2.5	7
2514	K ₂ CO ₃ /PG DES promoted transition metal free room temperature synthesis of nitroaldols and nitroolefins. <i>Current Research in Green and Sustainable Chemistry</i> , 2022, 5, 100259.	2.9	0
2515	Electrocatalytic oxidation of formic acid on Pd/CNTs nanocatalysts synthesized in special â€œnon-aqueousâ€“system. <i>Journal of Electroanalytical Chemistry</i> , 2022, 906, 115980.	1.9	7
2516	A review on recent applications of deep eutectic solvents in microextraction techniques for the analysis of biological matrices. <i>Advances in Sample Preparation</i> , 2022, 1, 100007.	1.1	21
2517	Easy and Efficient Recovery of EMIMCl from Cellulose Solutions by Addition of Acetic Acid and the Transition from the Original Ionic Liquid to an Eutectic Mixture. <i>Molecules</i> , 2022, 27, 987.	1.7	3

#	ARTICLE	IF	CITATIONS
2518	Characterization of Novel Deep Eutectic Solvent, Choline Chloride/Glutamic Acid, as Efficient Solvent for Lignin Dissolution. <i>Chemistry Letters</i> , 2022, 51, 407-411.	0.7	3
2519	Regulation on tribological performance of tungsten-doped DLC coatings by choline chloride-urea and-thiourea deep eutectic solvents. <i>Surface Topography: Metrology and Properties</i> , 2022, 10, 015014.	0.9	1
2520	Interfacial Properties of Deep Eutectic Solvents by Density Gradient Theory. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 2580-2591.	1.8	6
2521	FexNi(1-x) coatings electrodeposited from choline chloride-urea mixture: Magnetic and electrocatalytic properties for water electrolysis. <i>Materials Chemistry and Physics</i> , 2022, 279, 125738.	2.0	7
2522	A mixed matrix polyimide ultrafiltration membrane for efficient removal of bentazon from water. <i>Chemical Engineering Journal</i> , 2022, 433, 134596.	6.6	10
2523	Enhancing biodiesel production via liquid <i>Yarrowia lipolytica</i> lipase 2 in deep eutectic solvents. <i>Fuel</i> , 2022, 316, 123342.	3.4	17
2524	Sugars as hydrogen-bond donors tune the phase behavior in a novel liquid-liquid biphasic system formed by hydrophilic deep eutectic solvents and n-propanol. <i>Fluid Phase Equilibria</i> , 2022, 556, 113393.	1.4	7
2525	Liquid-Liquid Equilibrium of Alcohol-Ester Systems with Deep Eutectic Solvents Based on Choline Chloride and Alkanediols (Ethylene Glycol or Propylene Glycol). <i>Journal of Chemical & Engineering Data</i> , 2022, 67, 707-716.	1.0	6
2526	Cocrystal Formation in Choline Chloride Deep Eutectic Solvents. <i>Crystal Growth and Design</i> , 2022, 22, 1933-1942.	1.4	18
2527	Improved Production of 5-Hydroxymethylfurfural in Acidic Deep Eutectic Solvents Using Microwave-Assisted Reactions. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1959.	1.8	6
2528	Synthesis of Pyrimidine Hybrids Based on 4H-Pyran and 4H-Chromene Privileged Structures. <i>Letters in Organic Chemistry</i> , 2022, 19, 993-998.	0.2	0
2529	Optimization of Deep Eutectic Solvent Extraction of Phenolic Acids and Tannins from <i>Alchemilla vulgaris</i> L. <i>Plants</i> , 2022, 11, 474.	1.6	7
2530	Deep eutectic solvent-mediated expedient multicomponent synthesis of oxazine scaffolds. <i>Research on Chemical Intermediates</i> , 0, , 1.	1.3	3
2531	One-step derivatization and temperature-controlled vortex-assisted liquid-liquid microextraction based on the solidification of floating deep eutectic solvents coupled to UV-Vis spectrophotometry for the rapid determination of total iron in water and food samples. <i>Food Chemistry</i> , 2022, 384, 132414.	4.2	6
2532	Homogeneous liquid-liquid microextraction based on deep eutectic solvents. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 149, 116566.	5.8	24
2533	Extractive oxidative desulfurization of fuels using choline chloride and tetraethylene glycol-based eutectic solvent. <i>Petroleum Science and Technology</i> , 2022, 40, 1772-1796.	0.7	2
2534	Boosting antibiotics performance by new formulations with deep eutectic solvents. <i>International Journal of Pharmaceutics</i> , 2022, 616, 121566.	2.6	10
2535	Confining deep eutectic solvents in nanopores: Insight into thermodynamics and chemical activity. <i>Journal of Molecular Liquids</i> , 2022, 349, 118488.	2.3	5

#	ARTICLE	IF	CITATIONS
2536	A comparative study of the oxidation of dopamine in deep eutectic solvents: A potential approach to synthesis polydopamine particles with various shapes, sizes, and compositions. <i>Journal of Applied Polymer Science</i> , 0, , 52090.	1.3	0
2537	Deep Eutectic Solvent-Mediated Regioselective Synthesis of Imidazoheterocycles. <i>Macromolecular Symposia</i> , 2021, 400, 2100089.	0.4	0
2538	Pseudoternary Systems of Deep Eutectic Solvents + <i>tert</i> -Butanol + Water at <i>T</i> = 288.15 K, 298.15 K, and 308.15 K: Liquid-Liquid Equilibrium and Ability for Syringic Acid/Eugenol Separation. <i>Journal of Chemical & Engineering Data</i> , 2022, 67, 200-211.	1.0	3
2539	Martini 3 Coarse-Grained Model for Type III Deep Eutectic Solvents: Thermodynamic, Structural, and Extraction Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 17338-17350.	3.2	20
2540	A New and Convenient Synthetic Method for 4-Aminoquinoline-3-carbonitrile and Its Derivatives. <i>Heterocycles</i> , 2022, 104, 739.	0.4	0
2541	An emerging deep eutectic solvent based on halogen-bonds. <i>Chemical Communications</i> , 2022, 58, 4607-4610.	2.2	11
2542	Design and thermophysical characterization of betaine hydrochloride-based deep eutectic solvents as a new platform for CO ₂ capture. <i>New Journal of Chemistry</i> , 2022, 46, 5332-5345.	1.4	10
2543	Choline hydroxide based deep eutectic solvent for dissolving cellulose. <i>Green Chemistry</i> , 2022, 24, 2464-2475.	4.6	41
2544	Combination drug delivery approaches for tuberculosis. , 2022, , 173-210.		0
2545	Zinc chloride promoted the inimitable dissolution and degradation of polyethylene in a deep eutectic solvent under white light. <i>Green Chemistry</i> , 2022, 24, 2953-2961.	4.6	4
2546	Status and advances of deep eutectic solvents for metal separation and recovery. <i>Green Chemistry</i> , 2022, 24, 1895-1929.	4.6	79
2547	Electropolishing of Pure Metallic Nickel and Cobalt in Choline Chloride-propylene Glycol Eutectic Liquid: An Electrochemical Study Using AFM and SEM. <i>Electrochemistry</i> , 2022, , .	0.6	1
2548	Neoteric deep eutectic solvents: history, recent developments, and catalytic applications. <i>Soft Matter</i> , 2022, 18, 2695-2721.	1.2	31
2549	Characterizing the Solvation Characteristics of Deep Eutectic Solvents Composed of Active Pharmaceutical Ingredients as a Hydrogen Bond Donor and/or Acceptor. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 3066-3078.	3.2	13
2550	Are molecular solvents, aqueous biphasic systems and deep eutectic solvents meaningful categories for liquid-liquid extraction?. <i>Comptes Rendus Chimie</i> , 2022, 25, 67-81.	0.2	0
2551	Revisiting the Physicochemical Properties and Applications of Deep Eutectic Solvents. <i>Molecules</i> , 2022, 27, 1368.	1.7	77
2552	Combined microwave-assisted extraction and headspace gas chromatography for hexanal determination in fat-rich food. <i>Separation Science Plus</i> , 0, , .	0.3	0
2553	Electrochemical Separation of High-Purity Sb from Pb-Containing Sb Alloy in Choline Chloride-Ethylene Glycol Deep Eutectic Solvent. <i>Jom</i> , 2022, 74, 915-923.	0.9	1

#	ARTICLE	IF	CITATIONS
2554	L-Proline-Based Natural Deep Eutectic Solvents as Efficient Solvents and Catalysts for the Ultrasound-Assisted Synthesis of Aurones via Knoevenagel Condensation. <i>Catalysts</i> , 2022, 12, 249.	1.6	13
2556	Biodegradable Solvents: A Promising Tool to Recover Proteins from Microalgae. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2391.	1.3	7
2557	Sustainable Pd-Catalyzed Direct Arylation of Thienyl Derivatives with (Hetero)aromatic Bromides under Air in Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 3037-3047.	3.2	12
2558	A Green Approach for Selective Ionometallurgical Separation of Lithium from Spent Li-Ion Batteries by Deep Eutectic Solvent (DES): Process Optimization and Kinetics Modeling. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2023, 44, 218-230.	2.6	11
2559	Mild-temperature Organosolv treatment of rice-straw: extracting ability of dimethylformamide and material applications. <i>International Journal of Environmental Science and Technology</i> , 0, , 1.	1.8	2
2560	Study on the Extraction of Acetamiprid and Imidacloprid from an Aqueous Environment Using Menthol-Based Hydrophobic Eutectic Solvents: Quantum Chemical and Molecular Dynamics Insights. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 4227-4246.	3.2	11
2561	Insights on novel type V deep eutectic solvents based on levulinic acid. <i>Journal of Chemical Physics</i> , 2022, 156, 094504.	1.2	11
2562	The Highly Efficient Synthesis of 1,2-Disubstituted Benzimidazoles Using Microwave Irradiation. <i>Molecules</i> , 2022, 27, 1751.	1.7	3
2563	Microwave-Assisted Solution Synthesis of Metastable Intergrowth of AgInS ₂ Polymorphs. <i>Molecules</i> , 2022, 27, 1815.	1.7	2
2564	The effect of ground tire rubber modified by deep eutectic solvents on the viscoelasticity of silica-filled styrene-butadiene rubber. <i>Polymer Engineering and Science</i> , 2022, 62, 1688-1699.	1.5	5
2565	Structural and dynamic properties of eutectic mixtures based on menthol and fatty acids derived from coconut oil: a MD simulation study. <i>Scientific Reports</i> , 2022, 12, 5153.	1.6	9
2566	Efficient extraction and antioxidant activity of polyphenols from <i>Antrodia cinnamomea</i> . <i>BMC Biotechnology</i> , 2022, 22, 9.	1.7	5
2567	An Efficient and Versatile Deep Eutectic Solvent-Mediated Green Method for the Synthesis of Functionalized Coumarins. <i>ACS Omega</i> , 2022, 7, 10649-10659.	1.6	20
2568	Electrochemical interfaces in ionic liquids/deep eutectic solvents incorporated with water: A review. <i>Electrochemical Science Advances</i> , 2023, 3, .	1.2	4
2569	Optimization and kinetics of polyphenol recovery from raw mango (<i>Mangifera indica</i> L.) peel using a glycerol-sodium acetate deep eutectic solvent system. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 2453-2465.	2.9	1
2570	Huge solubility increase of poorly water-soluble pharmaceuticals by sulfobutylether- β -cyclodextrin complexation in a low-melting mixture. <i>Environmental Chemistry Letters</i> , 2022, 20, 1561-1568.	8.3	7
2571	Eutectic Electrolytes Chemistry for Rechargeable Zn Batteries. <i>Small</i> , 2022, 18, e2200550.	5.2	40
2572	Odyssey of Deep Eutectic Solvents as Sustainable Media for Multicomponent Reactions: An Update. <i>Mini-Reviews in Organic Chemistry</i> , 2023, 20, 156-189.	0.6	1

#	ARTICLE	IF	CITATIONS
2573	Structure and Dynamic Properties of a Glycerol-Betaine Deep Eutectic Solvent: When Does a DES Become an Aqueous Solution?. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 3501-3512.	3.2	13
2574	Silver-catalysed A ³ -coupling reactions in phenylacetic acid/alkylamine-N-oxide eutectic mixture under dielectric heating: An alternative approach to propargylamines. <i>Applied Organometallic Chemistry</i> , 2022, 36, .	1.7	6
2575	Liquid-Liquid Equilibria for Binary Azeotrope Mixtures of Heptane and Amyl Alcohols Using Different Choline Chloride Based Deep Eutectic Solvents at 298.15 K. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 4068-4082.	1.8	5
2576	Low melting mixtures: neoteric solvents and/or catalysts for a green approach in organic reactions. <i>Mini-Reviews in Organic Chemistry</i> , 2022, 19, .	0.6	0
2577	Deep Eutectic Solvent as Green Solvent in Extraction of Biological Macromolecules: A Review. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3381.	1.8	64
2578	The effect of electrodeposition potential on catalytic properties of Ni nanoparticles for hydrogen evolution reaction (HER) in alkaline media. <i>Journal of Applied Electrochemistry</i> , 2022, 52, 907-918.	1.5	7
2579	A comparative study of the formation, and ion and solvent transport of polyaniline in protic liquid-based deep eutectic solvents and aqueous solutions using EQCM. <i>Electrochimica Acta</i> , 2022, 418, 140348.	2.6	6
2580	Photocatalytic oxidative of Keggin-type polyoxometalate ionic liquid for enhanced extractive desulfurization in binary deep eutectic solvents. <i>Chinese Journal of Chemical Engineering</i> , 2022, 44, 205-211.	1.7	6
2581	Metal chlorides-promoted ammonia absorption of deep eutectic solvent. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 16121-16131.	3.8	18
2582	Efficient fractionation of woody biomass hemicelluloses using cholinium amino acids-based deep eutectic solvents and their aqueous mixtures. <i>Bioresource Technology</i> , 2022, 354, 127139.	4.8	19
2583	Remarks on use of the term "deep eutectic solvent" in analytical chemistry. <i>Microchemical Journal</i> , 2022, 179, 107498.	2.3	22
2584	A particle-based approach to predict the success and selectivity of leaching processes using ethaline - Comparison of simulated and experimental results. <i>Hydrometallurgy</i> , 2022, 211, 105869.	1.8	3
2585	Turning deep-eutectic solvents into value-added products for CO ₂ capture: A desirability-based virtual screening study. <i>Journal of CO₂ Utilization</i> , 2022, 58, 101926.	3.3	23
2586	Study on Dissolution and Modification of Cotton Fiber in Different Growth Stages. <i>Materials</i> , 2022, 15, 2685.	1.3	3
2587	High-yield and high-efficiency conversion of cyclohexanone oxime to ϵ -caprolactam in a green and facile reaction process over deep eutectic solvents. <i>Chemical Engineering Science</i> , 2022, 253, 117519.	1.9	7
2588	Highly-efficient pretreatment using alkaline enhanced aqueous deep eutectic solvent to unlock poplar for high yield of fermentable sugars: Synergistic removal of lignin and mannan. <i>Bioresource Technology</i> , 2022, 351, 126993.	4.8	20
2589	Unveiling the potential of water as a co-solvent in microwave-assisted delignification of sugarcane bagasse using ternary deep eutectic solvents. <i>Bioresource Technology</i> , 2022, 351, 127005.	4.8	28
2590	Cyclodextrin-based low melting mixtures as a solubilizing vehicle: Application to non-steroidal anti-inflammatory drugs. <i>Journal of Molecular Liquids</i> , 2022, 353, 118827.	2.3	2

#	ARTICLE	IF	CITATIONS
2591	Potential of deep eutectic solvent in photocatalyst fabrication methods for water pollutant degradation: A review. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107422.	3.3	15
2592	Systematic method of screening deep eutectic solvents as extractive solvents for m-cresol/cumene separation. <i>Separation and Purification Technology</i> , 2022, 291, 120853.	3.9	14
2593	Application of deep eutectic solvents in water treatment processes: A review. <i>Journal of Water Process Engineering</i> , 2022, 47, 102663.	2.6	23
2594	Systematic evaluation of hydrophobic deep eutectic solvents as alternative media for the extraction of metal ions from aqueous solution. <i>Talanta</i> , 2022, 243, 123373.	2.9	12
2595	Optimization, identification and bioactivity of flavonoids extracted from <i>Moringa oleifera</i> leaves by deep eutectic solvent. <i>Food Bioscience</i> , 2022, 47, 101687.	2.0	13
2596	Recycling of full components of polyester/cotton blends catalyzed by betaine-based deep eutectic solvents. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107512.	3.3	6
2597	Effects of five extraction methods on total content, composition, and stability of flavonoids in jujube. <i>Food Chemistry: X</i> , 2022, 14, 100287.	1.8	26
2598	A greener and sustainable route for medicinal plant analysis: Recycle utilization of hydrophobic deep eutectic solvent. <i>Microchemical Journal</i> , 2022, 178, 107372.	2.3	5
2599	Structure and dynamics of hydrophobic deep eutectic solvents composed from terpene-fatty acids investigated by molecular dynamics simulation. <i>Journal of Molecular Graphics and Modelling</i> , 2022, 114, 108180.	1.3	10
2600	Water based-deep eutectic solvent for ultrasound-assisted liquid-liquid microextraction of parabens in edible oil. <i>Food Chemistry</i> , 2022, 383, 132586.	4.2	26
2601	Deep eutectic solvent based adhesive with dynamic adhesion, water-resistant and NIR-responsive retrieval properties. <i>Chemical Engineering Journal</i> , 2022, 439, 135646.	6.6	15
2602	Synthesis of glycidol and glycerol carbonate from glycerol and dimethyl carbonate using deep-eutectic solvent as a catalyst. <i>Chemical Engineering Journal</i> , 2022, 442, 136196.	6.6	12
2603	Evaluation of green and efficient deep eutectic solvents as media for extracting alkaloids from lotus leaf. <i>Biomedical Chromatography</i> , 2022, 36, e5293.	0.8	7
2604	EXTRACTION OF FLAVONOIDS FROM KOENIGIA WEYRICHII USING DEEP EUTECTIC MIXTURE OF CHOLINE CHLORIDE + GLYCERINE. <i>Khimiya Rastitel'nogo Syr'ya</i> , 2021, , 199-206.	0.0	1
2605	Enhanced Furfural Production in Deep Eutectic Solvents Comprising Alkali Metal Halides as Additives. <i>Molecules</i> , 2021, 26, 7374.	1.7	5
2606	Application of Extraction and Determination Based on Deep Eutectic Solvents in Different Types of Environmental Samples. <i>Water (Switzerland)</i> , 2022, 14, 46.	1.2	4
2607	Low temperature pretreatment of poplar using deep eutectic solvent and the structural evolution of three components of poplar. <i>Journal of Fuel Chemistry and Technology</i> , 2021, 49, 1791-1801.	0.9	3
2608	Green extraction and characterization of leaves phenolic compounds: a comprehensive review. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 5155-5193.	5.4	14

#	ARTICLE	IF	CITATIONS
2609	Interfacial Electrolyte Effects on Electrocatalytic CO ₂ Reduction. ACS Catalysis, 2022, 12, 331-362.	5.5	123
2610	Eutectic Electrolytes in Advanced Metal-Ion Batteries. ACS Energy Letters, 2022, 7, 247-260.	8.8	61
2611	Spectroscopic Study into Lanthanide Speciation in Deep Eutectic Solvents. ACS Omega, 2022, 7, 921-932.	1.6	5
2612	Ternary-like Aqueous Biphasic Systems Composed of Betaine-Polyol Deep Eutectic Solvents and <i>n</i> -Propanol. Journal of Chemical & Engineering Data, 2022, 67, 212-220.	1.0	6
2613	Deep eutectic solvents: The new generation sustainable and safe extraction systems for bioactive compounds in agri food sector: An update. Journal of Food Processing and Preservation, 2022, 46, .	0.9	4
2614	Strengthening Cellulose Nanopaper via Deep Eutectic Solvent and Ultrasound-Induced Surface Disorder of Nanofibers. Polymers, 2022, 14, 78.	2.0	4
2615	Extensive numerical tests of leapfrog integrator in middle thermostat scheme in molecular simulations. Chinese Journal of Chemical Physics, 2021, 34, 932-948.	0.6	2
2616	Efficient Extraction of Fermentation Inhibitors by Means of Green Hydrophobic Deep Eutectic Solvents. Molecules, 2022, 27, 157.	1.7	7
2618	Process of separating acetonitrile and water using LTTMs as entrainer. Polish Journal of Chemical Technology, 2021, 23, 1-9.	0.3	1
2619	Deep Eutectic Solvents as Promising Green Solvents in Dispersive Liquid-Liquid Microextraction Based on Solidification of Floating Organic Droplet: Recent Applications, Challenges and Future Perspectives. Molecules, 2021, 26, 7406.	1.7	22
2620	Understanding Solvation Behavior of Cefazolin Sodium in the Aqueous Choline Chloride/Ethylene Glycol or Urea Solutions through Vapor Pressure Osmometry and Volumetric and Acoustic Measurements. Journal of Chemical & Engineering Data, 2022, 67, 113-122.	1.0	0
2621	Understanding of Bulk and Interfacial Structures Ternary and Binary Deep Eutectic Solvents with a Constant Potential Method: A Molecular Dynamics Study. Physical Chemistry Chemical Physics, 2022, , .	1.3	3
2622	Enhancing the electrochemical sensitivity of hydroquinone using a hydrophobic deep eutectic solvent-based carbon paste electrode. Analytical Methods, 2022, 14, 2003-2013.	1.3	3
2623	Current understanding and insights towards protein stabilization and activation in deep eutectic solvents as sustainable solvent media. Physical Chemistry Chemical Physics, 2022, 24, 13474-13509.	1.3	31
2624	Eutectogels as Matrices to Manipulate Supramolecular Chirality and Circularly Polarized Luminescence. ACS Nano, 2022, 16, 6825-6834.	7.3	26
2625	Deep Eutectic Solvent Formulations and Alginate-Based Hydrogels as a New Partnership for the Transdermal Administration of Anti-Inflammatory Drugs. Pharmaceutics, 2022, 14, 827.	2.0	13
2626	Solvent terminated natural deep eutectic solvent microextraction for concentration of curcuminoids in Curcumae Longae Rhizoma and turmeric tea. Journal of Separation Science, 2022, 45, 2252-2261.	1.3	3
2627	Facile galvanic replacement deposition of nickel on copper substrate in deep eutectic solvent and its activation ability for electroless Ni-P plating. Journal of Solid State Electrochemistry, 2022, 26, 1313.	1.2	2

#	ARTICLE	IF	CITATIONS
2628	Electrolytes for rechargeable aluminum batteries. <i>Progress in Materials Science</i> , 2022, 128, 100960.	16.0	32
2629	Effect of Ternary Deep Eutectic Solvents on Bagasse Cellulose and Lignin Structure in Low-Temperature Pretreatment. <i>Processes</i> , 2022, 10, 778.	1.3	4
2630	Sustainable Green Processing of Grape Pomace Using Micellar Extraction for the Production of Value-Added Hygiene Cosmetics. <i>Molecules</i> , 2022, 27, 2444.	1.7	12
2631	Liquefying Flavonoids with Terpenoids through Deep Eutectic Solvent Formation. <i>Molecules</i> , 2022, 27, 2649.	1.7	9
2632	High efficient crosslinking of gelatin and preparation of its excellent flexible composite film using deep eutectic solvent. <i>Process Biochemistry</i> , 2022, 118, 32-40.	1.8	10
2633	High-efficiency leaching of valuable metals from waste Li-ion batteries using deep eutectic solvents. <i>Environmental Research</i> , 2022, 212, 113286.	3.7	25
2641	Time-Dependent Hydrogen Bond Network Formation in Glycerol-Based Deep Eutectic Solvents. <i>ChemPhysChem</i> , 2022, 23, e202100806.	1.0	4
2642	Recent Advances in the Synthesis of Inorganic Materials Using Environmentally Friendly Media. <i>Molecules</i> , 2022, 27, 2045.	1.7	7
2643	Nanoscale cellulose and nanocellulose-based aerogels. , 2022, , 229-260.		1
2644	High-throughput and data driven strategies for the design of deep-eutectic solvent electrolytes. <i>Molecular Systems Design and Engineering</i> , 2022, 7, 933-949.	1.7	4
2645	Synthesis of SrTiO ₃ and Al-doped SrTiO ₃ via the deep eutectic solvent route. <i>Materials Advances</i> , 2022, 3, 4736-4747.	2.6	9
2646	Preparation of 3-acetyl-5-acetylfuran from N-acetylglucosamine and chitin using biobased deep eutectic solvents as catalysts. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 1742-1749.	1.9	10
2647	Bio-Refinery of Oilseeds: Oil Extraction, Secondary Metabolites Separation towards Protein Meal Valorisation—A Review. <i>Processes</i> , 2022, 10, 841.	1.3	17
2648	Physical Properties of Betaine-1,2-Propanediol-Based Deep Eutectic Solvents. <i>Polymers</i> , 2022, 14, 1783.	2.0	7
2649	Enhanced Extraction Efficiency of Flavonoids from <i>Pyrus ussuriensis</i> Leaves with Deep Eutectic Solvents. <i>Molecules</i> , 2022, 27, 2798.	1.7	6
2650	Betaine-based deep eutectic solvents mediated synthesis of zinc oxide nanoparticles at low temperature. <i>Ceramics International</i> , 2022, 48, 28951-28960.	2.3	14
2651	Combination of DES and macrocyclic host molecules: Review and perspectives. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2022, 36, 100630.	3.2	7
2652	Characteristics of Deep eutectic solvents for CO ₂ capture with Hydro effects for improvement of mass transfer. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 111, 337-345.	2.9	13

#	ARTICLE	IF	CITATIONS
2653	Structural Study of a Eutectic Solvent Reveals Hydrophobic Segregation and Lack of Hydrogen Bonding between the Components. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 6337-6345.	3.2	9
2654	Gelatin and Alginate Binders for Simplified Battery Recycling. <i>Journal of Physical Chemistry C</i> , 2022, 126, 8489-8498.	1.5	11
2655	Effects of Deep Eutectic Solvents on cellulosic fibres and paper properties: Green "chemical" refining. <i>Carbohydrate Polymers</i> , 2022, 292, 119606.	5.1	19
2656	Comprehensive physicochemical evaluation of deep eutectic solvents: quantum-chemical calculations and electrochemical stability. <i>Molecular Crystals and Liquid Crystals</i> , 2023, 750, 60-68.	0.4	5
2657	Absorption of Volatile Organic Compounds Toluene and Acetaldehyde in Choline Chloride-Based Deep Eutectic Solvents. <i>Journal of Physical Chemistry B</i> , 2022, 126, 3705-3716.	1.2	10
2658	Viscosity model of deep eutectic solvents from group contribution method. <i>AIChE Journal</i> , 2022, 68, .	1.8	13
2659	Extraction of essential oils from tea tree (<i>Melaleuca alternifolia</i>) and lemon grass () <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 507 Td</i> 2022, , .	1.2	1
2660	Fructose Effect on the Extraction Performance of 5-Hydroxymethylfurfural in Aqueous 1-Ethyl-3-methylimidazolium Tetrafluoroborate or Choline Chloride Urea Solution with the Aid of Sodium Chloride Using the Methyl Isobutyl Ketone Solvent. <i>Industrial & Engineering Chemistry Research</i> , 0, , .	1.8	1
2661	A Green, Efficient Approach on Extraction of Polyphenols from Fenugreek Seeds (<i>Trigonella</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 427 Td</i> 13, 4403-4415.	1.8	3
2662	An Interfacial Study of Au(111) Electrodes in Deep Eutectic Solvents. <i>ChemElectroChem</i> , 0, , .	1.7	2
2663	Deep eutectic solvents: Recent advances in fabrication approaches and pharmaceutical applications. <i>International Journal of Pharmaceutics</i> , 2022, 622, 121811.	2.6	31
2664	Recent Advances in the Catalytic Conversion of Biomass to Furfural in Deep Eutectic Solvents. <i>Frontiers in Chemistry</i> , 2022, 10, .	1.8	6
2665	Ion Correlation in Choline Chloride"Urea Deep Eutectic Solvent (Reline) from Polarizable Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2022, 126, 3439-3449.	1.2	4
2666	Effective extraction of parabens from toothpaste by vortex-assisted liquid-phase microextraction based on low viscosity deep eutectic solvent. <i>Microchemical Journal</i> , 2022, 179, 107590.	2.3	6
2667	Solubilization of Eucalyptus citriodora essential oil and citronellal in deep eutectic solvents:water:cyclodextrins mixtures. <i>Journal of Molecular Liquids</i> , 2022, , 119371.	2.3	5
2668	Neutron Diffraction Study of Indole Solvation in Deep Eutectic Systems of Choline Chloride, Malic Acid, and Water. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	7
2669	Recent advances in extraction and processing of chitin using deep eutectic solvents. <i>Chemical Engineering Journal</i> , 2022, 446, 136953.	6.6	11
2670	Extractive desulfurization using ethylene glycol and glycerol-based deep eutectic solvents: engineering aspects and intensification using ultrasound. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022, 180, 108973.	1.8	5

#	ARTICLE	IF	CITATIONS
2671	Application of deep eutectic solvents in bioanalysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 154, 116660.	5.8	23
2672	The pressure effects on the Amine-Based DES performance in NG Sweetening: Insights from molecular dynamics simulation. <i>Fuel</i> , 2022, 323, 124249.	3.4	9
2673	Deep eutectic solvents and conventional solvents as VOC absorbents for biogas upgrading: A comparative study. <i>Chemical Engineering Journal</i> , 2022, 446, 136875.	6.6	16
2674	Deep eutectic solvent in ultrasound-assisted liquid-phase microextraction for determination of vanadium in food and environmental waters. <i>Microchemical Journal</i> , 2022, 180, 107543.	2.3	5
2675	Anticorrosive performance of green deep eutectic solvent for electrochemical capacitor. <i>Chemical Engineering Journal</i> , 2022, 444, 136594.	6.6	9
2676	Lignin dissolution and lignocellulose pretreatment by carboxylic acid based deep eutectic solvents. <i>Industrial Crops and Products</i> , 2022, 184, 115049.	2.5	37
2677	Priority Separation of Phenols with Deep Eutectic Solvents from an Acetonitrile-Extractable Portion of a Shale Oil: Experimental and Computational. <i>Energy & Fuels</i> , 2022, 36, 5657-5665.	2.5	3
2678	Synthesis and characterization of a computationally predicted redox and radiation stable deep eutectic solvent. <i>Journal of Molecular Liquids</i> , 2022, 360, 119377.	2.3	4
2679	Mn-Doped Bi ₂ O ₃ Nanosheets from a Deep Eutectic Solvent toward Enhanced Electrocatalytic N ₂ Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 6766-6774.	3.2	15
2680	Effect of a trace amount of deep eutectic solvents on the structure and optical properties of cellulose nanocrystal films. <i>Cellulose</i> , 2022, 29, 5235-5249.	2.4	7
2681	Synthesis strategies of covalent organic frameworks: An overview from nonconventional heating methods and reaction media. <i>Green Energy and Environment</i> , 2023, 8, 1596-1618.	4.7	22
2682	Cathode recycling of lithium-ion batteries based on reusable hydrophobic eutectic solvents. <i>Green Chemistry</i> , 2022, 24, 5107-5115.	4.6	20
2683	Room-temperature conversion of CO ₂ into quinazoline-2,4(1 <i>H</i> ,3 <i>H</i>)-dione using deep eutectic solvents at atmospheric pressure with high efficiency. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 1968-1977.	1.9	6
2684	Supramolecular deep eutectic solvents and their applications. <i>Green Chemistry</i> , 2022, 24, 5035-5045.	4.6	35
2685	Electrodeposition of Ni nanoparticles from deep eutectic solvent and aqueous solution promoting high stability electrocatalyst for hydrogen and oxygen evolution reactions. <i>Journal of Solid State Electrochemistry</i> , 2022, 26, 1501-1517.	1.2	14
2686	A Deep Eutectic Solvent Thermomorphic Multiphasic System for Biocatalytic Applications. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	19
2687	Infrared spectroscopy of extracted and acetylated chitin in versatile deep eutectic solvents (DES). <i>AIP Conference Proceedings</i> , 2022, , .	0.3	0
2688	Conversion of bio-carbohydrates to 5-hydroxymethylfurfural in three-component deep eutectic solvent. <i>RSC Advances</i> , 2022, 12, 14957-14963.	1.7	7

#	ARTICLE	IF	CITATIONS
2689	Novel Deep Eutectic Solvents: Physical Properties and Their Application in Amino Acid Detection. <i>Journal of Chemical & Engineering Data</i> , 0, , .	1.0	0
2690	Eutectic Electrolyte with Unique Solvation Structure for High-Performance Zinc-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	108
2691	Eutectic Electrolyte with Unique Solvation Structure for High-Performance Zinc-Ion Batteries. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	16
2692	On the Role of Water in the Formation of a Deep Eutectic Solvent Based on $\text{NiCl}_2 \cdot 6\text{H}_2\text{O}$ and Urea. <i>Inorganic Chemistry</i> , 2022, 61, 8843-8853.	1.9	11
2693	Advanced sampling, sample preparation and combination of methods applicable in analysis of compounds in aged and deacidified papers. A minireview. <i>Journal of Cultural Heritage</i> , 2023, 60, 95-107.	1.5	1
2694	Deep Eutectic Solvents and Layered Double Hydroxides in Solid-Phase Extraction of Antidepressant Drugs. <i>Chemical Engineering and Technology</i> , 2022, 45, 1318-1325.	0.9	1
2695	High-efficiency components separation of corncob catalyzed by vanadium-substituted polyoxometalate in choline chloride-lactic acid reaction system. <i>Applied Catalysis A: General</i> , 2022, 641, 118680.	2.2	1
2696	Optimization of lignin extraction by response surface methodology from sugarcane bagasse using deep eutectic solvents (DES). <i>Industrial Crops and Products</i> , 2022, 184, 115040.	2.5	13
2697	Acidity scales of deep eutectic solvents based on IR and NMR. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 16973-16978.	1.3	16
2698	A stretchable, compressible and anti-freezing ionic gel based on a natural deep eutectic solvent applied as a strain sensor. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	4
2699	Deep Eutectic solvents Applicability in Oil and Gas Processing fields for CO_2 Control. <i>Chemical Engineering and Technology</i> , 0, , .	0.9	4
2700	Deep Eutectic Solvents or Eutectic Mixtures? Characterization of Tetrabutylammonium Bromide and Nonanoic Acid Mixtures. <i>Journal of Physical Chemistry B</i> , 2022, 126, 3889-3896.	1.2	22
2701	Thermophysical properties of novel ammonium-based eutectic solvents with ethane-1,2-diol and ZnCl_2 . <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 2728-2738.	1.6	2
2702	Effective ultrasonic-assisted extraction and solubilization of curcuminoids from turmeric by using natural deep eutectic solvents and imidazolium-based ionic liquids. <i>Journal of Molecular Liquids</i> , 2022, 360, 119351.	2.3	6
2703	Enzymatic copolymerization of aniline and 3-aminobenzoic acid in a deep eutectic solvent. , 2022, 2, .		0
2704	ElectroLeaching-ElectroChemical Deposition (EL-ECD) of gold and palladium in a deep eutectic solvent (DES). <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108004.	3.3	6
2705	A Deep Eutectic Solvent Thermomorphic Multiphasic System for Biocatalytic Applications. <i>Angewandte Chemie</i> , 0, , .	1.6	0
2706	Applications of Choline Chlorine based Deep Eutectic Solvents as Sustainable Media and catalyst in the synthesis of Heterocyclic Scaffolds.. <i>Current Organic Chemistry</i> , 2022, 26, .	0.9	2

#	ARTICLE	IF	CITATIONS
2707	Supercritical Fluid-Assisted Fabrication of Pd Nanoparticles/Graphene Using a Choline Chloride–Oxalic Acid Deep Eutectic Solvent for Enhancing the Electrochemical Oxidation of Glycerol. <i>ACS Omega</i> , 2022, 7, 19930-19938.	1.6	4
2708	Removal of Copper Corrosion Products by Using Green Deep Eutectic Solvent and Bio-Derivative Cellulose Membrane. <i>Polymers</i> , 2022, 14, 2284.	2.0	3
2709	Novel aqueous two-phase systems containing polymer-based deep eutectic solvent and citrate salts for high-performance extraction of dyes. <i>Journal of Molecular Liquids</i> , 2022, 360, 119475.	2.3	12
2710	Experimental determination and correlation of naproxen solubility in biodegradable low-toxic betaine-based deep eutectic solvents and water mixtures at 293.15 K to 313.15 K. <i>Fluid Phase Equilibria</i> , 2022, 560, 113508.	1.4	7
2711	Excellent performance separation of trypsin by novel ternary magnetic composite adsorbent based on betaine-urea- glycerol natural deep eutectic solvent modified MnFe ₂ O ₄ -MWCNTs. <i>Talanta</i> , 2022, 248, 123566.	2.9	7
2713	Room-temperature dissolution of PbI ₂ by a PEGylated deep eutectic solvent with high efficiency. <i>New Journal of Chemistry</i> , 0, , .	1.4	0
2714	Extensive characterization of choline chloride and its solid–liquid equilibrium with water. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 14886-14897.	1.3	12
2715	CO ₂ capture by 1,2,3-triazole-based deep eutectic solvents: the unexpected role of hydrogen bonds. <i>Chemical Communications</i> , 2022, 58, 7376-7379.	2.2	13
2716	Deep eutectic solvents coupled with (NH ₄) ₃ H ₆ CoMo ₆ O ₂₄ trigger aerobic oxidation of 5-hydroxymethylfurfural to 5-formyl-2-furancarboxylic acid. <i>Chemical Communications</i> , 2022, 58, 8105-8108.	2.2	8
2717	Deep eutectic solvents as cryoprotective agents for mammalian cells. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4546-4560.	2.9	22
2718	pH-Responsive Regulation of a Surfactant-Free Microemulsion Based on Hydrophobic Deep Eutectic Solvents. <i>Langmuir</i> , 2022, 38, 7898-7905.	1.6	8
2719	An Overview of Structure and Dynamics Associated with Hydrophobic Deep Eutectic Solvents and Their Applications in Extraction Processes. <i>ChemPhysChem</i> , 2022, 23, .	1.0	13
2720	Mild and efficient recovery of lithium-ion battery cathode material by deep eutectic solvents with natural and cheap components. <i>Green Chemical Engineering</i> , 2023, 4, 303-311.	3.3	20
2721	Natural Deep Eutectic Solvents Based on Choline Chloride and Phenolic Compounds as Efficient Bioadhesives and Corrosion Protectors. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 8135-8142.	3.2	27
2722	A simple HPLC-DAD method for analysis of phenolic acids: Addition effect of a hydrophilic deep eutectic solvent to the mobile phase. <i>Acta Chromatographica</i> , 2023, 35, 204-216.	0.7	3
2723	Hydrogen sulfide capture and removal technologies: A comprehensive review of recent developments and emerging trends. <i>Separation and Purification Technology</i> , 2022, 298, 121448.	3.9	70
2724	Development of deep eutectic solvents for sustainable chemistry. <i>Journal of Molecular Liquids</i> , 2022, 362, 119654.	2.3	29
2725	Deep eutectic solvents and their application in electrochemistry. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2022, 36, 100649.	3.2	41

#	ARTICLE	IF	CITATIONS
2726	NADES-derived beta cyclodextrin-based polymers as sustainable precursors to produce sub-micrometric cross-linked mats and fibrous carbons. <i>Polymer Degradation and Stability</i> , 2022, 202, 110040.	2.7	3
2727	Electrochemical Preparation of Hydroxylated Boron Nitride Nanosheets for Solidâ€‘State Flexible Supercapacitors Using Deep Eutectic Solvent and Water Mixture as Electrolytes. <i>Langmuir</i> , 2022, 38, 8169-8178.	1.6	6
2728	Green Extraction of Cork Bioactive Compounds Using Natural Deep Eutectic Mixtures. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 7974-7989.	3.2	20
2729	A Chemosensor of 1,8-Dihydroxyanthraquinone PMOs Prepared in a Ternary Deep Eutectic Solvent for the Sensitive Detection of Cu ²⁺ . <i>ACS Omega</i> , 2022, 7, 22613-22625.	1.6	3
2730	Separation of Benzene and Cyclohexane Using Eutectic Solvents with Aromatic Structure. <i>Molecules</i> , 2022, 27, 4041.	1.7	4
2731	Deep eutectic solvents as entrainers in extractive distillation â€‘ A review. <i>Chemical Engineering Research and Design</i> , 2022, 184, 402-418.	2.7	12
2732	Comparative study on organic solvents and green solvents in separation of aromatic hydrocarbons/low-carbon alcohols azeotrope by structureâ€‘activity relationship. <i>Separation and Purification Technology</i> , 2022, 297, 121498.	3.9	7
2733	Utilization of ionic liquids and deep eutectic solvents in oil operations: Progress and challenges. <i>Journal of Molecular Liquids</i> , 2022, 361, 119641.	2.3	19
2734	Environmentally sustainable electroplating of selective cobalt-chromium coating on stainless steel for efficient solar collectors. <i>Solar Energy Materials and Solar Cells</i> , 2022, 245, 111821.	3.0	10
2735	Deep eutectic solvents as absorbents for VOC and VOC mixtures in static and dynamic processes. <i>Chemical Engineering Journal</i> , 2022, 448, 137619.	6.6	25
2736	Insights on the potential of natural deep eutectic solvents (NADES) to fine-tune durian seed gum for use as edible food coating. <i>Food Hydrocolloids</i> , 2022, 132, 107861.	5.6	19
2737	Rapid preparation of N-CNTs/P(AA-co-AM) composite hydrogel via frontal polymerization and its mechanical and conductive properties. <i>RSC Advances</i> , 2022, 12, 19022-19028.	1.7	10
2738	An innovative, low-cost and environment-friendly approach by using a deep eutectic solvent as the water substitute to minimize waste in the textile industry and for better clothing performance. <i>Green Chemistry</i> , 2022, 24, 5904-5917.	4.6	11
2739	Extraction of Bioactive Components from <i>Chamaenerion angustifolium</i> (L.) Scop. with Choline Chloride and Organic Acids Natural Deep Eutectic Solvents. <i>Molecules</i> , 2022, 27, 4216.	1.7	8
2740	Molecular Dynamic Insights into the Distinct Solvation Structures of Aromatic and Aliphatic Compounds in Monoethanolamine-Based Deep Eutectic Solvents. <i>Journal of Physical Chemistry B</i> , 2022, 126, 4925-4938.	1.2	8
2741	Electric Field Effects on the Structural and Dynamical Properties of a Glyceline Deep Eutectic Solvent. <i>Journal of Chemical & Engineering Data</i> , 2022, 67, 2077-2087.	1.0	8
2742	Influence of Chloride and Nitrate Anions on Copper Electrodeposition onto Au(111) from Deep Eutectic Solvents. <i>ChemElectroChem</i> , 2022, 9, .	1.7	7
2743	Recent trends in extraction, purification, and antioxidant activity evaluation of plant leafâ€‘extract polysaccharides. <i>Biofuels, Bioproducts and Biorefining</i> , 2022, 16, 1820-1848.	1.9	21

#	ARTICLE	IF	CITATIONS
2744	Prediction of pH Value of Aqueous Acidic and Basic Deep Eutectic Solvent Using COSMO-RS γ Profiles TM Molecular Descriptors. <i>Molecules</i> , 2022, 27, 4489.	1.7	14
2745	Surface Reconstruction and Low-Temperature Dyeing Performances of a Poly(Lactic Acid) Filament Pretreated with a Choline Chloride and Oxalic Acid Deep Eutectic Solvent. <i>Macromolecules</i> , 2022, 55, 6238-6246.	2.2	7
2746	Green and highly efficient synthesis of Pyrimidine derivatives in a novel Glycolic acid: Urea based Low Transition Temperature mixture <i>via</i> C–C and C–O bond formation. <i>Journal of Heterocyclic Chemistry</i> , 0, , .	1.4	0
2747	Microwave-assisted deep eutectic solvent extraction of phenolics from defatted date seeds and its effect on solubilization of carbohydrates. <i>Biomass Conversion and Biorefinery</i> , 0, , .	2.9	6
2748	Electrochemical synthesis of tetrahydrobenzo[b]pyran derivatives in deep eutectic solvents. <i>Journal of Electroanalytical Chemistry</i> , 2022, 920, 116629.	1.9	5
2749	Impact of speciation on the tellurium electrochemistry in choline chloride-based deep eutectic solvents. <i>Electrochemistry Communications</i> , 2022, 140, 107327.	2.3	8
2750	Therapeutic deep eutectic solvent-based ion-gel as a neoteric drug delivery carrier for 5-fluorouracil. <i>Journal of the Iranian Chemical Society</i> , 2022, 19, 4275-4286.	1.2	3
2751	Lactic Acid-Based Natural Deep Eutectic Solvents to Extract Bioactives from Marine By-Products. <i>Molecules</i> , 2022, 27, 4356.	1.7	6
2752	Insights into the Play of Novel Brønsted Acid-Based Deep Eutectic Solvents for the Conversion of Glucose into 5-Hydroxymethylfurfural without Additional Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 11645-11654.	1.8	3
2753	Extraction of flavonoids from Glycyrrhiza residues using deep eutectic solvents and its molecular mechanism. <i>Journal of Molecular Liquids</i> , 2022, 363, 119848.	2.3	18
2754	Different extractive distillation processes for isopropanol dehydration using low transition temperature mixtures as entrainers. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022, 178, 109049.	1.8	5
2755	Green solvents in polymeric membrane fabrication: A review. <i>Separation and Purification Technology</i> , 2022, 298, 121691.	3.9	32
2756	Removal intensification of basic and non-basic nitrides from liquid fuels by the optimization design of quaternary ammonium salt green solvents. <i>Fuel</i> , 2022, 326, 125093.	3.4	11
2757	Deep eutectic solvents based biorefining of Value-added chemicals from the diatom <i>Thalassiosira andamanica</i> at room temperature. <i>Separation and Purification Technology</i> , 2022, 298, 121636.	3.9	8
2758	Design of metal salt/amide-based deep eutectic monomers toward sustainable production of ion-conductive polymers by radical polymerization. <i>Materials Today Chemistry</i> , 2022, 26, 101033.	1.7	1
2759	Thermal Instability of Choline Chloride-Based Deep Eutectic Solvents and Its Influence on Their Toxicity TM —Important Limitations of DESs as Sustainable Materials. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 11288-11300.	1.8	32
2760	Impact of the Dicarboxylic Acid Chain Length on Intermolecular Interactions with Lidocaine. <i>Molecular Pharmaceutics</i> , 2022, 19, 2980-2991.	2.3	1
2761	Beyond aroma: A review on advanced extraction processes from rosemary (<i>Rosmarinus officinalis</i>) and sage (<i>Salvia officinalis</i>) to produce phenolic acids and diterpenes. <i>Trends in Food Science and Technology</i> , 2022, 127, 245-262.	7.8	13

#	ARTICLE	IF	CITATIONS
2762	Recent Advances in the Chemistry of Hydrometallurgical Methods. Separation and Purification Reviews, 2023, 52, 221-241.	2.8	7
2763	Food Industry Byproducts as Starting Material for Innovative, Green Feed Formulation: A Sustainable Alternative for Poultry Feeding. Molecules, 2022, 27, 4735.	1.7	10
2764	Deep eutectic solvents: green solvents for the removal of degraded gelatin on cellulose nitrate cinematographic films. Heritage Science, 2022, 10, .	1.0	3
2765	Pretreatment of agricultural lignocellulosic biomass for fermentable sugar: opportunities, challenges, and future trends. Biomass Conversion and Biorefinery, 2024, 14, 6155-6183.	2.9	12
2766	Extraction optimization, biological activities, and application in O/W emulsion of deep eutectic solvents-based phenolic extracts from olive pomace. Food Research International, 2022, 161, 111753.	2.9	7
2767	Performance evaluation and molecular dynamics simulation in the Liquid-liquid extraction process of low transition temperature mixture of 1,2-Dichloroethane. Journal of Molecular Liquids, 2022, 364, 119913.	2.3	2
2768	Composition and antioxidant activity of anthocyanins from Aronia melanocarpa extracted using an ultrasonic-microwave-assisted natural deep eutectic solvent extraction method. Ultrasonics Sonochemistry, 2022, 89, 106102.	3.8	26
2769	Studying the Formation of Choline Chloride- and Glucose-Based Natural Deep Eutectic Solvent at the Molecular Level. Journal of Molecular Modeling, 2022, 28, .	0.8	4
2770	Structure, Organization, and Heterogeneity of Water-Containing Deep Eutectic Solvents. Journal of the American Chemical Society, 2022, 144, 14170-14180.	6.6	25
2771	Effect of hydration on intermolecular interactions in tetrabutylammonium chloride based deep eutectic solvents. Journal of Molecular Liquids, 2022, 363, 119959.	2.3	5
2772	Effective absorption of dichloromethane using deep eutectic solvents. Journal of Hazardous Materials, 2022, 439, 129666.	6.5	19
2773	Development of Green and Efficient Extraction of Bioactive Ginsenosides from Panax ginseng with Deep Eutectic Solvents. Molecules, 2022, 27, 4339.	1.7	5
2774	Deep Eutectic Solvents (DESs) for Green Recycling of Wasted Lithium-Ion Batteries (LIBs): Progress on Pushing the Overall Efficiency. Mining, Metallurgy and Exploration, 2022, 39, 2149-2165.	0.4	6
2775	Temperature-Switchable Polymer: Uniting Deep Eutectic Solvents with Poly(<i>N</i> -isopropylacrylamide) and Poly(<i>N</i> -vinyl caprolactam). ACS Sustainable Chemistry and Engineering, 2022, 10, 9991-10002.	3.2	7
2776	Effects of Water on Electrochemical Behavior of ZnCl ₂ and FeCl ₃ in Deep Eutectic Solvent Composed of Choline Chloride and Urea. Russian Journal of Electrochemistry, 2022, 58, 617-625.	0.3	5
2777	Solubility of paracetamol in binary mixtures of biodegradable betaine/ethylene glycol deep eutectic solvent and water: measurement and correlation. Physics and Chemistry of Liquids, 2023, 61, 41-58.	0.4	2
2778	Predicting the Surface Tension of Deep Eutectic Solvents: A Step Forward in the Use of Greener Solvents. Molecules, 2022, 27, 4896.	1.7	5
2779	Magnetic deep eutectic solvents – Fundamentals and applications. Journal of Molecular Liquids, 2022, 365, 120158.	2.3	26

#	ARTICLE	IF	CITATIONS
2780	Liquid-liquid microextraction with hydrophobic deep eutectic solvent followed by magnetic phase separation for preconcentration of antibiotics. <i>Talanta</i> , 2023, 252, 123868.	2.9	19
2781	Is there depth to eutectic solvents?. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2022, 37, 100659.	3.2	18
2782	Surface characterization of wood treated with acidic deep eutectic solvents. <i>European Journal of Wood and Wood Products</i> , 0, , .	1.3	2
2783	DES mediated synthesis of sewage sludge-derived B, N-doped carbons for electrochemical applications. <i>Chemosphere</i> , 2022, 308, 135840.	4.2	6
2784	Solvation Structure, Dynamics, and Charge Transfer Kinetics of Cu ²⁺ and Cu ⁺ in Choline Chloride Ethylene Glycol Electrolytes. <i>Journal of Physical Chemistry B</i> , 0, , .	1.2	3
2785	Mechanistic Approach to Reveal Interaction of Uranyl Ions in Alkyltriphenylphosphonium Bromide-Based Deep Eutectic Solvent. <i>Inorganic Chemistry</i> , 2022, 61, 12599-12609.	1.9	3
2786	Recent Advances in Deep Eutectic Solvents as Shale Swelling Inhibitors: A Comprehensive Review. <i>ACS Omega</i> , 2022, 7, 28723-28755.	1.6	9
2787	DES-Based Biocatalysis as a Green Alternative for the l-menthyl Ester Production Based on l-menthol Acylation. <i>Molecules</i> , 2022, 27, 5273.	1.7	2
2788	Insights into the Chloride versus Bromide Effect on the Formation of Urea-Quaternary Ammonium Eutectic Solvents. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 11988-11995.	1.8	4
2789	Quantum Chemical and Experimental Insight into Structure, Physicochemical Properties and Dissolving Behavior of Deep Eutectic Solvents. <i>Journal of Computational Biophysics and Chemistry</i> , 2022, 21, 883-907.	1.0	1
2790	Nanoporous anodic alumina layers obtained from novel deep eutectic solvent formulations. <i>Transactions of the Institute of Metal Finishing</i> , 2023, 101, 19-28.	0.6	2
2791	Sustainable chitosan packaging films: Green tea polyphenolic extraction strategies using deep eutectic solvents. <i>Journal of Cleaner Production</i> , 2022, 372, 133589.	4.6	11
2792	Physicochemical and Anti-bacterial Properties of Novel Osthole-Menthol Eutectic System. <i>Journal of Solution Chemistry</i> , 2022, 51, 1199-1208.	0.6	1
2793	Investigation of carbon dioxide solubility in various families of deep eutectic solvents by the PC-SAFT EoS. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	2
2794	Deep eutectic solvents-derivated carbon dots-decorated silica stationary phase with enhanced separation selectivity in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2022, 1681, 463425.	1.8	20
2795	Effect of water on electrodeposition behavior of zinc in a ChCl-urea-ZnO deep eutectic system. <i>Journal of Solid State Electrochemistry</i> , 2022, 26, 2353-2363.	1.2	4
2796	Deep Eutectic Solvent-Induced In Situ Etching and Phosphorization to Form Nickel Phosphides for Electrooxidation of 5-Hydroxymethylfurfural. <i>ChemSusChem</i> , 2022, 15, .	3.6	7
2797	Responsive switchable deep eutectic solvents: A review. <i>Chinese Chemical Letters</i> , 2023, 34, 107750.	4.8	17

#	ARTICLE	IF	CITATIONS
2798	Natural Deep Eutectic Solvent-Based Dispersive Liquid-Liquid Microextraction Coupled with Direct Analysis in Real Time Mass Spectrometry: A Green Temperature-Mediated Analytical Strategy. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 10919-10928.	2.4	6
2799	Ionic Liquid/Deep Eutectic Solvent-Mediated Ni-Based Catalysts and Their Application in Water Splitting Electrocatalysis. <i>Catalysts</i> , 2022, 12, 928.	1.6	7
2800	Magnetic solid-phase extraction method with modified magnetic ferroferric oxide nanoparticles in a deep eutectic solvent and high-performance liquid chromatography used for the analysis of pharmacologically active ingredients of <i>Epimedium folium</i> . <i>Journal of Chromatography A</i> , 2022, 1679, 463395.	1.8	5
2801	Solvent Organization around Methane Dissolved in Archetypal Reline and Ethaline Deep Eutectic Solvents as Revealed by AIMD Investigation. <i>Journal of Physical Chemistry B</i> , 0, , .	1.2	5
2802	Deep Eutectic Solvents for Extraction and Preconcentration of Organic and Inorganic Species in Water and Food Samples: A Review. <i>Critical Reviews in Analytical Chemistry</i> , 0, , 1-14.	1.8	10
2803	Impact of urea-based deep eutectic solvents on Mg-MOF-74 morphology and sorption properties. <i>Microporous and Mesoporous Materials</i> , 2022, 343, 112148.	2.2	5
2804	High-efficiency removal of methcathinone from water using a novel DES modified magnetic biochar nanocomposite. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108456.	3.3	9
2805	Exploiting proton masking to protect amino achieve efficient capture CO ₂ by amino-acids deep eutectic solvents. <i>Separation and Purification Technology</i> , 2022, 299, 121787.	3.9	9
2806	High pressure-induced glass transition and stability of choline chloride/malonic acidic deep eutectic solvents with different molar ratios. <i>Journal of Molecular Liquids</i> , 2022, 364, 120055.	2.3	2
2807	Dynamics of type V menthol-thymol deep eutectic solvents: Do they reveal non-ideality?. <i>Journal of Molecular Liquids</i> , 2022, 365, 120145.	2.3	4
2808	Recycling cathode material LiCo _{1/3} Ni _{1/3} Mn _{1/3} O ₂ by leaching with a deep eutectic solvent and metal recovery with antisolvent crystallization. <i>Resources, Conservation and Recycling</i> , 2022, 186, 106579.	5.3	16
2809	Preparation of ternary hydrophobic magnetic deep eutectic solvents and an investigation into their physicochemical properties. <i>Journal of Molecular Liquids</i> , 2022, 365, 120000.	2.3	9
2810	Facile preparation of copper nanoparticles in environmentally friendly solvent for DNA sensor application. <i>Materials Today Communications</i> , 2022, 33, 104161.	0.9	2
2811	Application of deep eutectic solvents in protein extraction and purification. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	9
2812	High-efficiency separation of oil sands using <sc>ChCl</sc>-based deep eutectic solvents. <i>Canadian Journal of Chemical Engineering</i> , 2023, 101, 2835-2841.	0.9	0
2813	Sustainable and effective contaminants transport beyond stability barrier of supported liquid membrane: How crucial and vital is the green membrane system. <i>Journal of Water Process Engineering</i> , 2022, 49, 103172.	2.6	3
2814	Phase behavior and internal micro mechanism of separation acetonitrile from water by hydrophobic green solvents. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108507.	3.3	5
2815	Onion waste based-biorefinery for sustainable generation of value-added products. <i>Bioresource Technology</i> , 2022, 362, 127870.	4.8	8

#	ARTICLE	IF	CITATIONS
2816	Molecular insights into the CO ₂ separation mechanism of GO supported deep eutectic solvent membrane. <i>Journal of Molecular Liquids</i> , 2022, 366, 120248.	2.3	6
2817	Mechanism study of ternary deep eutectic solvents with protonic acid for lignin fractionation. <i>Bioresource Technology</i> , 2022, 363, 127887.	4.8	15
2818	Molecular-based artificial neural network for predicting the electrical conductivity of deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2022, 366, 120225.	2.3	28
2819	Measurement and correlation of isobaric molar heat capacities of deep eutectic solvents consisting of choline chloride and triethylene glycol. <i>Journal of Molecular Liquids</i> , 2022, 366, 120229.	2.3	1
2820	A pore-scale study for reactive transport processes in double-layer gradient electrode as negative side of a deep eutectic solvent electrolyte-based vanadium-iron redox flow battery. <i>Electrochimica Acta</i> , 2022, 431, 141110.	2.6	3
2821	A separation strategy of Au(III), Pd(II) and Pt(IV) based on hydrophobic deep eutectic solvent from hydrochloric acid media. <i>Journal of Molecular Liquids</i> , 2022, 365, 120200.	2.3	11
2822	Theoretical investigation on the structure and physicochemical properties of choline chloride-based deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2022, 366, 120243.	2.3	7
2823	Liquid-liquid extraction of phenolic compounds from aqueous solution using hydrophobic deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2022, 366, 120266.	2.3	13
2824	Deep eutectic solvents as new media for green extraction of food proteins: Opportunity and challenges. <i>Food Research International</i> , 2022, 161, 111842.	2.9	25
2825	Rational eutectic solvent design by linking regular solution theory with QSAR modelling. <i>Chemical Engineering Science</i> , 2022, 262, 118042.	1.9	8
2826	Study on regeneration characteristics of choline chloride-monoethanolamine deep eutectic solvent after capturing CO ₂ from biogas. <i>Separation and Purification Technology</i> , 2022, 302, 122064.	3.9	4
2827	The evaluation of five bioactive compounds content and in vitro antioxidant of <i>Caryophylli Flos</i> extracts obtained by natural deep eutectic solvents. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 30, 100838.	1.6	1
2828	Deep eutectic solvents-based adsorbents in environmental analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 157, 116762.	5.8	46
2829	Standardization of proanthocyanidin extract's mean degree of polymerization using eutectic solvents. <i>Journal of Food Composition and Analysis</i> , 2023, 115, 104887.	1.9	1
2830	Are deep eutectic solvents really green?: A life-cycle perspective. <i>Green Chemistry</i> , 2022, 24, 7924-7930.	4.6	46
2831	Choline chloride-ethylene glycol based deep-eutectic solvents as lixiviants for cobalt recovery from lithium-ion battery cathode materials: are these solvents really green in high-temperature processes?. <i>Green Chemistry</i> , 2022, 24, 6685-6695.	4.6	27
2832	Magnetic deep eutectic solvents: formation and properties. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 20073-20081.	1.3	5
2833	Liquid-liquid equilibria and alcohol valorization in aqueous alcoholic systems using hydrophobic eutectic solvents. , 2022, , 205-222.		0

#	ARTICLE	IF	CITATIONS
2834	A low-concentration eutectic electrolyte for superior cycling ability of aqueous zinc-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2022, 10, 20273-20282.	5.2	12
2835	Design and applications of biocompatible choline amino acid ionic liquids. <i>Green Chemistry</i> , 2022, 24, 7281-7304.	4.6	16
2836	A flexible and highly ion conductive polyzwitterionic eutectogel for quasi-solid state zinc ion batteries with efficient suppression of dendrite growth. <i>Journal of Materials Chemistry A</i> , 2022, 10, 17721-17729.	5.2	13
2837	Applications of deep eutectic solvents in remediation of emerging contaminants. , 2022, , 223-246.		1
2838	Deep eutectic solvents—An Introduction. , 2022, , 1-20.		0
2839	Applications of deep eutectic solvents in membrane-based separation processes. , 2022, , 181-203.		0
2840	Deep eutectic solvents vs. ionic liquids: Similarities and differences. , 2022, , 105-138.		0
2841	Tailored ternary hydrophobic deep eutectic solvents for synergistic separation of yttrium from heavy rare earth elements. <i>Green Chemistry</i> , 2022, 24, 7148-7161.	4.6	10
2842	Classifying deep eutectic solvents for polymer solvation <i>via</i> intramolecular dimer formation. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 21655-21665.	1.3	4
2843	Iodine speciation in deep eutectic solvents. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 24105-24115.	1.3	3
2844	Highly efficient dissolution of the cathode materials of spent Ni—Co—Mn lithium batteries using deep eutectic solvents. <i>Green Chemistry</i> , 2022, 24, 6562-6570.	4.6	31
2845	Deep eutectic solvent for spent lithium-ion battery recycling: comparison with inorganic acid leaching. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 19029-19051.	1.3	17
2846	Critical analysis of green solvent credentials of eutectic solvents. , 2022, , 77-104.		1
2847	Deep eutectic solvents (DESs) as efficient systems for drug discovery, drug delivery, and pharmaceutical applications. , 2022, , 283-318.		0
2848	Novel reed + deep eutectic solvent-derived adsorbents for recyclable and low-cost capture of dyes and radioactive iodine from wastewater. <i>Environmental Science: Water Research and Technology</i> , 2022, 8, 2411-2417.	1.2	3
2849	Deep insights into the viscosity of deep eutectic solvents by an XGBoost-based model plus SHapley Additive exPlanation. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 26029-26036.	1.3	25
2850	Design and combination of magnetic ionic liquids and hydrophobic deep eutectic solvents for safer extraction of titanium: physicochemical properties and toxicity studies. <i>Green Chemistry</i> , 2022, 24, 7481-7491.	4.6	13
2851	Design strategies for the synthesis of deep eutectic solvents. , 2022, , 21-48.		0

#	ARTICLE	IF	CITATIONS
2852	Applications of deep eutectic solvents in gas capture. , 2022, , 49-75.		3
2853	Role of deep eutectic solvents as pretreatment medium for biomass transformation. , 2022, , 139-160.		1
2854	Holding it together: noncovalent cross-linking strategies for ionogels and eutectogels. <i>Materials Advances</i> , 2022, 3, 7709-7725.	2.6	12
2855	Highly efficient and reversible adsorption of ammonia by incorporation of deep eutectic solvents into silica gel and Al ₂ O ₃ . <i>New Journal of Chemistry</i> , 2022, 46, 15959-15966.	1.4	2
2856	Emerging Pretreatment Technologies Applied to Waste Biorefinery. , 2022, , 69-91.		0
2857	Study on Preparation, Structure and Properties of 1-Butyl-3-Methylimidazolium Chloride/Urea Deep Eutectic Solvent. <i>Journal of Advances in Physical Chemistry</i> , 2022, 11, 88-97.	0.1	0
2858	Applications of deep eutectic solvents (DESs) in CO2 mitigation technologies. , 2022, , 319-343.		0
2859	Extraction of parabens from personal care products using a pH-responsive hydrophobic deep eutectic solvent: experimental design and COSMO-RS evaluations. <i>New Journal of Chemistry</i> , 2022, 46, 15851-15859.	1.4	15
2860	Thermal, chemical, electrochemical, radiolytic and biological stability of ionic liquids and deep eutectic solvents. <i>New Journal of Chemistry</i> , 2022, 46, 17640-17668.	1.4	23
2861	Functionalized nanotubes. , 2022, , 421-444.		1
2862	Natural Deep Eutectic Solvents as Alternative Flavonoid Extractants from the Sedative Plant Composition. <i>Drug Development and Registration</i> , 2022, 11, 75-83.	0.2	3
2863	Experimental Study and Thermodynamic Modeling of Mesalamine and Azathioprine Solubility in Some Choline Chloride-Based Deep Eutectic Solvents. <i>Journal of Chemical & Engineering Data</i> , 2022, 67, 3252-3267.	1.0	6
2864	Deep Eutectic Liquids as Tailorable Extraction Solvents: A Review of Opportunities and Challenges. <i>Critical Reviews in Analytical Chemistry</i> , 0, , 1-27.	1.8	3
2865	Cyclodextrin polymers in combination with water and deep eutectic solvent for the retention of Eucalyptus citriodora essential oil. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2022, 102, 831-840.	0.9	2
2866	Ultrasound-Assisted Extraction of Flavonoids from <i>Potentilla fruticosa</i> L. Using Natural Deep Eutectic Solvents. <i>Molecules</i> , 2022, 27, 5794.	1.7	7
2867	Solubility Behavior and the Mechanism of HCl Gas in Four [EMIM]Cl-Based Deep Eutectic Solvents. <i>Journal of Chemical & Engineering Data</i> , 2022, 67, 3097-3107.	1.0	2
2868	Natural deep eutectic solvents in phytonutrient extraction and other applications. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	12
2869	Process Simulation and Multiobjective Optimization for High-Purity Hexane Recovery Using Deep Eutectic Solvent. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 13929-13943.	1.8	2

#	ARTICLE	IF	CITATIONS
2870	Predicting the Surface Tension of Deep Eutectic Solvents Using Artificial Neural Networks. ACS Omega, 2022, 7, 32194-32207.	1.6	27
2871	Betaine-Based Deep Eutectic Solvent as a New Media for Laccase-Catalyzed Template-Guided Polymerization/Copolymerization of Aniline and 3-Aminobenzoic Acid. International Journal of Molecular Sciences, 2022, 23, 11409.	1.8	4
2872	Ultrasound-Assisted Dispersive Liquid-Liquid Microextraction Using Deep Eutectic Solvents (DESs) for Neutral Red Dye Spectrophotometric Determination. Molecules, 2022, 27, 6112.	1.7	7
2873	A novel ternary deep eutectic solvent for efficient recovery of critical metals from spent lithium-ion batteries under mild conditions. Journal of Environmental Chemical Engineering, 2022, 10, 108627.	3.3	7
2874	Synthesis of 5-Substituted-1H-Tetrazoles from Nitriles and Azides in a Betaine-Diol-Based Deep Eutectic Solvent. ChemistrySelect, 2022, 7, .	0.7	2
2875	Extraction of Carboxylated Nanocellulose by Combining Mechanochemistry and NADES. ACS Sustainable Chemistry and Engineering, 2022, 10, 13017-13025.	3.2	8
2876	Extraction of ferulic acid from rice bran using <sc>NADES</sc>â€œultrasoundâ€œ-assisted extraction: Kinetics and optimization. Journal of Food Process Engineering, 2023, 46, .	1.5	2
2877	Deep Eutectic Solvent (DES)-Mediated One-Pot Multicomponent Green Approach for Naphthalimide-Centered Acridine-1,8-dione Derivatives and Their Photophysical Properties. ACS Omega, 2022, 7, 35825-35833.	1.6	4
2878	Assessing the Influence of Betaine-Based Natural Deep Eutectic Systems on Horseradish Peroxidase. ACS Sustainable Chemistry and Engineering, 2022, 10, 12873-12881.	3.2	20
2879	A Critical Review of Emerging Hydrophobic Deep Eutectic Solventsâ€™ Applications in Food Chemistry: Trends and Opportunities. Journal of Agricultural and Food Chemistry, 2022, 70, 11860-11879.	2.4	14
2880	Review on the mineral processing in ionic liquids and deep eutectic solvents. Mineral Processing and Extractive Metallurgy Review, 2024, 45, 130-153.	2.6	7
2881	Thermophysical Studies on Molecular Interactions of Semicarbazide Hydrochloride/Domiphen Bromide in Aqueous Deep Eutectic Solvent Media at Various Temperatures. Journal of Chemical & Engineering Data, 2022, 67, 2974-2985.	1.0	3
2882	Synthesis of Methyl Sorbate Catalyzed by Deep Eutectic Solvent Based on Choline Chloride: Kinetics and Optimization. Industrial & Engineering Chemistry Research, 2022, 61, 14847-14858.	1.8	2
2883	The Study of Deep Eutectic Solvent Based on Choline Chloride and l-(+)-Tartaric Acid Diethyl Ester for Transdermal Delivery System. AAPS PharmSciTech, 2022, 23, .	1.5	4
2884	Development of electrolytes for rechargeable zinc-air batteries: current progress, challenges, and future outlooks. SN Applied Sciences, 2022, 4, .	1.5	9
2885	Effect of Graphene Oxide and Temperature on Electrochemical Polymerization of Pyrrole and Its Stability Performance in a Novel Eutectic Solvent (Choline Chlorideâ€œPhenol) for Supercapacitor Applications. ACS Omega, 2022, 7, 34326-34340.	1.6	7
2886	Ultrasonic-Assisted Efficient Extraction of Coumarins from Peucedanum decursivum (Miq.) Maxim Using Deep Eutectic Solvents Combined with an Enzyme Pretreatment. Molecules, 2022, 27, 5715.	1.7	4
2887	Aggregation behavior of sodium dioctyl sulfosuccinate in water-contained choline chloride-ethylene glycol deep eutectic solvent and its effects on electrochemical behavior of copper ions. Ionics, 2022, 28, 5643-5653.	1.2	2

#	ARTICLE	IF	CITATIONS
2888	Synthesis and application of choline chloride based deep eutectic solvents in liquid-liquid and solid-liquid assisted extraction of organophosphorus flame retardants from landfill leachate and sediment. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-19.	1.8	0
2889	Does Viscosity Drive the Dynamics in an Alcohol-Based Deep Eutectic Solvent?. <i>Journal of Physical Chemistry B</i> , 2022, 126, 8331-8337.	1.2	6
2890	Ternary Liquid-Phase Equilibria of an Azeotropic Mixture (Heptane + Isopropyl Alcohol) with Deep Eutectic Solvents. <i>Journal of Chemical & Engineering Data</i> , 2022, 67, 3155-3164.	1.0	0
2891	Density, Viscosity, and Refractive Index of a Choline Chloride + α -Fructose Deep Eutectic Solvent + Water Mixture at Different Temperatures: An Experimental Study and Thermodynamic Modeling. <i>Journal of Chemical & Engineering Data</i> , 2022, 67, 3007-3021.	1.0	4
2892	Green monoterpenes based deep eutectic solvents for effective BTEX absorption from biogas. <i>Chemical Engineering Research and Design</i> , 2022, 188, 179-196.	2.7	3
2893	Application and prospect of organic acid pretreatment in lignocellulosic biomass separation: A review. <i>International Journal of Biological Macromolecules</i> , 2022, 222, 1400-1413.	3.6	47
2894	Low-cost Na ₂ S-EG-MTPB deep eutectic solvents absorb SO ₂ effectively at a high temperature in flue gas. <i>Separation and Purification Technology</i> , 2022, 303, 122283.	3.9	2
2895	Insights into the formation mechanism of aliphatic acid-choline chloride deep eutectic solvents by theoretical and experimental research. <i>Journal of Molecular Liquids</i> , 2022, 367, 120342.	2.3	7
2896	Physicochemical and acoustic characterization of binary mixtures of tetraalkylammonium bromide: PEG based DES and water. <i>Journal of Molecular Liquids</i> , 2022, 367, 120386.	2.3	3
2897	Preparation and characterization of deep eutectic solvent: Physical properties and electrochemical studies. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	0
2898	Lignin for energy applications – state of the art, life cycle, technoeconomic analysis and future trends. <i>Green Chemistry</i> , 2022, 24, 8193-8226.	4.6	85
2899	Green synthesis of highly stable CsPbBr ₃ perovskite nanocrystals using natural deep eutectic solvents as solvents and surface ligands. <i>Nanoscale</i> , 0, , .	2.8	5
2900	Efficient and reversible absorption of low pressure NH ₃ by functional type V deep eutectic solvents based on phenol and hydroxypyridine. <i>New Journal of Chemistry</i> , 2022, 46, 21730-21736.	1.4	8
2901	A Physicochemical Consideration of Prebiotic Microenvironments for Self-Assembly and Prebiotic Chemistry. <i>Life</i> , 2022, 12, 1595.	1.1	8
2903	Open-Cell PolyHIPES from Polymerizable Eutectics: Tunable Morphology, Surface Modification, and Thermoresponsive Swelling Behavior. <i>ACS Applied Polymer Materials</i> , 2022, 4, 8429-8440.	2.0	6
2904	In situ rapid versatile method for the preparation of zirconium metal-organic framework filters. <i>Science China Chemistry</i> , 2022, 65, 2462-2467.	4.2	3
2905	High Content Microfibrillated Cellulose Suspensions Produced from Deep Eutectic Solvents Treated Fibres Using Twin-Screw Extruder. <i>Chemistry Africa</i> , 0, , .	1.2	0
2906	Synthesis of N-oxyethylene substituted imidazolium-based zwitterions as a recyclable solvent for cellulose dissolution. <i>Cellulose</i> , 2023, 30, 87-109.	2.4	1

#	ARTICLE	IF	CITATIONS
2907	Biodegradable Lubricant with High-Temperature and Ionic-Contamination Resistance: Deep Eutectic Solvent ChCl-PEG. <i>ACS Omega</i> , 2022, 7, 38380-38388.	1.6	5
2908	Extraction desulfurization with mixed solvents of organic solvent+organic solvent or deep eutectic solvent as extractants: Liquid-liquid equilibrium experiments and molecular dynamics simulations. <i>Fluid Phase Equilibria</i> , 2023, 565, 113655.	1.4	4
2909	The Disposition of Bioactive Compounds from Fruit Waste, Their Extraction, and Analysis Using Novel Technologies: A Review. <i>Processes</i> , 2022, 10, 2014.	1.3	30
2910	From polymer blends to a block copolymer: Ring-opening polymerization of L-lactide/ μ -caprolactone eutectic system. <i>Polymer</i> , 2022, 262, 125432.	1.8	4
2911	Modulation of Diffusion Mechanism and Its Correlation with Complexation in Aqueous Deep Eutectic Solvents. <i>Journal of Physical Chemistry B</i> , 2022, 126, 9026-9037.	1.2	2
2912	Water Miscibility, Surface Tension, Density, and Dynamic Viscosity of Hydrophobic Deep Eutectic Solvents Composed of Capric Acid, Menthol, and Thymol. <i>Journal of Chemical & Engineering Data</i> , 2022, 67, 3400-3413.	1.0	9
2913	One-Pot Synthesis of Deep Eutectic Solvents Containing Three-Dimensional Polymeric Materials with Excellent Catalytic Activity in the Knoevenagel Condensation Reaction. <i>ACS Applied Polymer Materials</i> , 2022, 4, 8092-8097.	2.0	1
2914	PVA/ChCl Deep Eutectic Polymer Blends for Transparent Strain Sensors with Antifreeze, Flexible, and Recyclable Properties. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 49212-49223.	4.0	11
2915	Menshutkin Reaction in Choline Chloride-based Deep Eutectic Solvents. <i>Organic Preparations and Procedures International</i> , 0, , 1-7.	0.6	0
2916	Liquid-liquid extraction of levulinic acid from aqueous solutions using hydrophobic tri-n-octylamine/alcohol-based deep eutectic solvent. <i>Chinese Journal of Chemical Engineering</i> , 2023, 54, 248-256.	1.7	2
2917	A Novel Ionic Conductive Polyurethane Based on Deep Eutectic Solvent Continuing Traditional Merits. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 52402-52410.	4.0	9
2918	Extraction of Polyphenolic and Volatile Compounds from <i>Cistus creticus</i> Using Deep Eutectic Solvents and Pulsed Electric Fields. <i>Compounds</i> , 2022, 2, 311-320.	1.0	7
2919	Evaluating the behaviour and principle of Deep Eutectic Solvent on Ephedrine-type alkaloids extraction from <i>Ephedrae Herba</i> . <i>Biomedical Chromatography</i> , 0, , .	0.8	0
2920	Hydrophobic deep eutectic solvents in the food sector: Focus on their use for the extraction of bioactive compounds. <i>Food Chemistry</i> , 2023, 405, 134703.	4.2	17
2921	A stability analysis of choline chloride: urea deep eutectic solvent using density functional theory. <i>Computational and Theoretical Chemistry</i> , 2022, 1217, 113921.	1.1	7
2922	Efficient fractionation of biomass by acid deep eutectic solvent (DES) and rapid preparation of lignin nanoparticles. <i>Biomass Conversion and Biorefinery</i> , 0, , .	2.9	8
2923	Magnetic effervescent tablets containing deep eutectic solvent as a green microextraction for removal of polystyrene nanoplastics from water. <i>Chemical Engineering Research and Design</i> , 2022, 188, 736-745.	2.7	7
2924	Electrodeposition of CoNi alloys in a biocompatible DES and its suitability for activating the formation of sulfate radicals. <i>Electrochimica Acta</i> , 2022, 435, 141428.	2.6	3

#	ARTICLE	IF	CITATIONS
2925	Study on extraction and antioxidant activity of polysaccharides from Radix Bupleuri by natural deep eutectic solvents combined with ultrasound-assisted enzymolysis. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 30, 100877.	1.6	8
2926	Strategies for the recovery of bioactive molecules from deep eutectic solvents extracts. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 157, 116798.	5.8	23
2927	Development of a green deep eutectic solvent-based thin film solid phase microextraction technique for the preconcentration of chlorophenoxy acid herbicides in drainage ditches and river waters using a central composite design. <i>Microchemical Journal</i> , 2022, 183, 108101.	2.3	12
2928	Comparison of polyol-based deep eutectic solvents (DESs) on pretreatment of moso bamboo (<i>Phyllostachys pubescens</i>) for enzymatic hydrolysis. <i>Industrial Crops and Products</i> , 2022, 189, 115767.	2.5	13
2929	GO/ionic surfactant inspired photophysical modulation of rhodamine B in Reline with or without additives. <i>Journal of Molecular Liquids</i> , 2022, 368, 120614.	2.3	3
2930	Advancements in liquid and solid electrolytes for their utilization in electrochemical systems. <i>Journal of Energy Storage</i> , 2022, 56, 105950.	3.9	5
2931	Novel Synthesis of Zinc Oxide Nanoparticles from Type IV Deep Eutectic Solvents. <i>Inorganica Chimica Acta</i> , 2023, 545, 121268.	1.2	15
2932	The application of deep eutectic solvents in lithium-ion battery recycling: A comprehensive review. <i>Resources, Conservation and Recycling</i> , 2023, 188, 106690.	5.3	55
2933	Insights into the role of molar ratio and added water in the properties of choline chloride and urea-based eutectic mixtures and their cellulose swelling capacity. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 28609-28620.	1.3	5
2934	Latest trends in the large-scale production of MOFs in accordance with the principles of green chemistry. <i>Green Chemistry</i> , 2022, 24, 9402-9427.	4.6	18
2935	Deep Eutectic Solvents for Biodiesel Purification in a Microextractor: Solvent Preparation, Selection and Process Optimization. <i>Bioengineering</i> , 2022, 9, 665.	1.6	3
2936	Machine learning coupled with group contribution for predicting the density of deep eutectic solvents. <i>Fluid Phase Equilibria</i> , 2023, 565, 113672.	1.4	7
2937	MD simulations explain the excess molar enthalpies in pseudo-binary mixtures of a choline chloride-based deep eutectic solvent with water or methanol. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	1
2938	Combustion Wave Structure of the Ammonium Dinitramide-Based Ionic Liquid Propellant. <i>Propellants, Explosives, Pyrotechnics</i> , 2023, 48, .	1.0	0
2939	Facile preparation of stretchable and multifunctional ionic gels via frontal polymerization of polymerizable ternary deep eutectic monomers with a long pot life. <i>Colloid and Polymer Science</i> , 0, , .	1.0	3
2940	Deep eutectic solvents and heterogeneous catalysis with metallic nanoparticles: A powerful partnership in sustainable synthesis. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2023, 39, 100723.	3.2	7
2941	Why Does Ethaline Apparently Behave as an Ideal Binary Mixture?. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 10805-10809.	2.1	4
2942	Review: Pair distribution functions from neutron total scattering for the study of local structure in disordered materials. , 2022, 1, 100037.		8

#	ARTICLE	IF	CITATIONS
2943	Application of Aqueous Biphasic Systems Extraction in Various Biomolecules Separation and Purification: Advancements Brought by Quaternary Systems. Separation and Purification Reviews, 2023, 52, 413-437.	2.8	2
2944	Green wood pulping processes with high pulp yield and lignin recovery yield by deep eutectic solvent and its aqueous solutions. Biomass Conversion and Biorefinery, 0, , .	2.9	6
2945	Structure of Deep Eutectic Solvents (DESs): What We Know, What We Want to Know, and Why We Need to Know It. Langmuir, 2022, 38, 14017-14024.	1.6	6
2946	Novel 3D Co9S8@graphene nanocomposites prepared by deep eutectic solvents for lithium-ion storage. Journal of Alloys and Compounds, 2023, 936, 168080.	2.8	7
2947	Electrodeposition of Polyporous Sn-Ni Coating in Deep Eutectic Solvents for Removing Organic Dyes. ACS Omega, 2022, 7, 41013-41020.	1.6	1
2948	Cu(I)@g-C3N4/PEI: A New Heterogeneous Catalyst for Glaser Reaction in Deep Eutectic Solvent. Catalysis Letters, 2023, 153, 2989-3002.	1.4	2
2949	Applications of Deep Eutectic Solvents in Sample Preparation and Extraction of Organic Molecules. Molecules, 2022, 27, 7699.	1.7	7
2950	Applications of biomass-derived solvents in biomass pretreatment – Strategies, challenges, and prospects. Bioresource Technology, 2023, 368, 128280.	4.8	11
2951	Hydrogen bonding boosted oxidative desulfurization by ZnCl2/boric acid/polyethylene glycol-based ternary deep eutectic solvents. Journal of Molecular Liquids, 2022, 368, 120725.	2.3	9
2952	Selective recovery of rare earth elements from e-waste via ionic liquid extraction: A review. Separation and Purification Technology, 2023, 306, 122699.	3.9	13
2953	Determination of degree of acetylation (DA) for chitin in deep eutectic solvents (DES). AIP Conference Proceedings, 2022, , .	0.3	0
2954	Comprehensive exploration of the adsorption capacity of innovative betaine-based deep eutectic solvents for carbon dioxide capture. Journal of Chemical Thermodynamics, 2023, 178, 106958.	1.0	5
2955	Preparation and properties of CS/P(AM-co-AA) composite hydrogels by frontal polymerization of ternary DES. RSC Advances, 2022, 12, 34724-34729.	1.7	1
2956	Sustainable Biodegradation and Extraction of Keratin with Its Applications. , 2022, , 1-35.		0
2957	Choline chloride-formic acid mixture as a medium for the reduction of pertechnetates – electrochemical and spectroscopic studies. Physical Chemistry Chemical Physics, 2023, 25, 1819-1826.	1.3	1
2958	History repeats itself again: Will the mistakes of the past for ILs be repeated for DESs? From being considered ionic liquids to becoming their alternative: the unbalanced turn of deep eutectic solvents. Green Chemistry, 2023, 25, 59-105.	4.6	49
2959	On the not so anomalous water-induced structural transformations of choline chloride-urea (reline) deep eutectic system. Physical Chemistry Chemical Physics, 2022, 25, 439-454.	1.3	4
2960	Unveiling the potential of deep eutectic solvents to improve the conformational and colloidal stability of immunoglobulin G antibodies. Green Chemistry, 2023, 25, 650-660.	4.6	7

#	ARTICLE	IF	CITATIONS
2961	Unlocking the Unrecognized Flammability of Deep Eutectic Solvents for Green Rocket Fuels. <i>New Journal of Chemistry</i> , 0, , .	1.4	1
2962	Characterization of eutectic mixtures of sugars and sugar-alcohols for cryopreservation. <i>Journal of Molecular Liquids</i> , 2023, 371, 120937.	2.3	3
2963	Functionalized imidazole-alkanolamine deep eutectic solvents with remarkable performance for low-concentration SO ₂ absorption. <i>Separation and Purification Technology</i> , 2023, 307, 122782.	3.9	8
2964	Bioactivities and green advanced extraction technologies of ginger oleoresin extracts: A review. <i>Food Research International</i> , 2023, 164, 112283.	2.9	9
2965	Ultrasound-assisted extraction of asiaticoside from <i>Centella asiatica</i> using betaine-based natural deep eutectic solvent. <i>Industrial Crops and Products</i> , 2023, 192, 116069.	2.5	12
2966	Facial construction of high rate Na ₃ V ₂ (PO ₄) ₂ F ₃ /C microspheres with fluorocarbon layer by deep-eutectic solvent synthesis. <i>Electrochimica Acta</i> , 2023, 440, 141718.	2.6	2
2967	Innovative aryl-based hydrophobic deep eutectic solvent for efficient removal of dyes and nanoplastics. <i>Separation and Purification Technology</i> , 2023, 308, 122903.	3.9	9
2968	Organic solvent reverse osmosis (OSRO) for the recovery of hemicellulosic derivatives after wood-pulping with a deep eutectic solvent. <i>Chemical Engineering Science</i> , 2023, 267, 118367.	1.9	6
2969	Understanding the screening effect of aqueous DES on the IDPs: A molecular dynamics simulation study using amyloid β peptide. <i>Journal of Molecular Graphics and Modelling</i> , 2023, 119, 108398.	1.3	3
2970	Deep eutectic solvents assisted biomass pre-treatment to derive sustainable anode materials for lithium-ion batteries. <i>Sustainable Materials and Technologies</i> , 2023, 35, e00547.	1.7	2
2971	Deep eutectic solvents as sustainable extraction media for plants and food samples: A review. <i>Sustainable Chemistry and Pharmacy</i> , 2023, 31, 100937.	1.6	15
2972	Evaluating the status quo of deep eutectic solvent in food chemistry. Potentials and limitations. <i>Food Chemistry</i> , 2023, 406, 135079.	4.2	16
2973	Optimization of natural deep eutectic solvents extraction of flavonoids from <i>Xanthoceras sorbifolia</i> Bunge by response surface methodology. <i>Sustainable Chemistry and Pharmacy</i> , 2023, 31, 100904.	1.6	8
2974	A study on carbon dioxide solubility in the deep eutectic solvent (1 sodium bromide + 6 ethylene glycol). <i>Journal of Molecular Liquids</i> , 2023, 371, 120937.	1.0	1
2975	Deep Eutectic Solvent/Benzenesulfonic Acid: An Environmental Friendly Catalyst System towards the Synthesis of Dihydropyrimidinones via Biginelli Reaction. <i>Chinese Journal of Organic Chemistry</i> , 2022, 42, 3714.	0.6	2
2976	Nano-adsorbent Modification by Deep Eutectic Solvents for Wastewater Treatment Applications. <i>Journal of Molecular Liquids</i> , 2022, 371, 120937.		0
2977	Synergy of ball milling, microwave irradiation, and deep eutectic solvents for a rapid and selective delignification: walnut shells as model for lignin-enriched recalcitrant biomass. <i>Biomass Conversion and Biorefinery</i> , 0, , .	2.9	1
2978	Deep Eutectic Solvent-Mediated Electrocatalysts for Water Splitting. <i>Molecules</i> , 2022, 27, 8098.	1.7	11

#	ARTICLE	IF	CITATIONS
2979	Challenges and Possibilities of Deep Eutectic Solvent-Based Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 17397-17422.	1.8	28
2980	Fluorescently Labeling Amino Acids in a Deep Eutectic Solvent. <i>Analytical Chemistry</i> , 2022, 94, 16538-16542.	3.2	3
2981	Deep Eutectic Solvent-Assisted Microwave Synthesis of Thermoelectric AgBiS ₂ and Cu ₃ BiS ₃ . <i>ACS Applied Energy Materials</i> , 2022, 5, 14858-14868.	2.5	2
2982	Hyper-Branched Cationic Cyclodextrin Polymers for Improving Plasmid Transfection in 2D and 3D Spheroid Cells. <i>Pharmaceutics</i> , 2022, 14, 2690.	2.0	5
2983	Solution Thermodynamic Properties of {Tetrabutyl Ammonium Bromide:Glycerol} Hydrophilic DESs at $T = 298.15\text{--}348.15\text{ K}$ and 0.1 MPa and an Approach over Solvent Extraction of Cr(VI) Using {Tetrabutyl Ammonium Bromide:Decanoic Acid/Oleic Acid} Hydrophobic DESs. <i>Journal of Chemical & Engineering Data</i> , 2023, 68, 40-63.	1.0	1
2985	Bismuth Oxychloride Nanoparticles: Deep Eutectic Solvent Assisted Synthesis and Application in an Electrochemical Nickel Sensor. <i>ChemistrySelect</i> , 2022, 7, .	0.7	3
2986	Design of a New Chiral Deep Eutectic Solvent Based on 3-Amino-1,2-propanediol and Its Application in Organolithium Chemistry. <i>Molecules</i> , 2022, 27, 8566.	1.7	2
2987	Summarizing the Effect of Acidity and Water Content of Deep Eutectic Solvent-like Mixtures—A Review. <i>Energies</i> , 2022, 15, 9333.	1.6	9
2988	Critical Assessment of the Sustainability of Deep Eutectic Solvents: A Case Study on Six Choline Chloride-Based Mixtures. <i>ACS Omega</i> , 2022, 7, 47449-47461.	1.6	18
2989	Deep Eutectic Solvents as Catalysts for Cyclic Carbonates Synthesis from CO ₂ and Epoxides. <i>Molecules</i> , 2022, 27, 9006.	1.7	7
2990	Green and Efficient Simultaneous Enrichment and Separation of Multiple Valuable Bioactive Compounds from Agricultural Waste <i>Ginkgo biloba</i> Exocarp Using a Two-Phase Deep Eutectic Solvent System. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 16958-16968.	3.2	3
2991	Estimating VLE behavior from SLE data in aqueous mixtures of choline chloride-sorbitol deep eutectic solvents: Experimental investigation and thermodynamic modeling using the e-NRTL model. <i>Journal of Molecular Liquids</i> , 2023, 371, 121126.	2.3	3
2992	Selective Oxidation of Alcohols through Fe ₃ O ₄ @SiO ₂ /K ₂ CO ₃ —Glycerin Deep Eutectic Solvent as a Heterogeneous Catalytic System. <i>ChemistryOpen</i> , 2022, 11, .	0.9	1
2993	Mechanism Study of Imidazole-Type Deep Eutectic Solvents for Efficient Absorption of CO ₂ . <i>ACS Omega</i> , 2022, 7, 48272-48281.	1.6	5
2994	Effect of deep eutectic solvent pretreatment on defibrillation efficiency and characteristics of lignocellulose nanofibril. <i>Wood Science and Technology</i> , 2023, 57, 197-209.	1.4	1
2995	Phase Equilibria and Mechanism Insights into the Separation of Isopropyl Acetate and Methanol by Deep Eutectic Solvents. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 18881-18893.	1.8	6
2996	Azide—Alkyne Cycloaddition Catalyzed by Copper(I) Coordination Polymers in PPM Levels Using Deep Eutectic Solvents as Reusable Reaction Media: A Waste-Minimized Sustainable Approach. <i>ACS Omega</i> , 2023, 8, 868-878.	1.6	8
2997	Controversy on the toxic nature of deep eutectic solvents and their potential contribution to environmental pollution. <i>Heliyon</i> , 2022, 8, e12567.	1.4	25

#	ARTICLE	IF	CITATIONS
2998	Surface Energy and Wetting Behavior of Dolomite in the Presence of Carboxylic Acid-Based Deep Eutectic Solvents. <i>Langmuir</i> , 2022, 38, 15622-15631.	1.6	3
2999	Self-Healable, Injectable, and Conductive Supramolecular Eutectogel for the Encapsulation and Sustained Release of the Anticancer Drug Curcumin. , 2023, 1, 380-393.		9
3000	3D-Printed Photocurable Resin with Synergistic Hydrogen Bonding Based on Deep Eutectic Solvent. <i>ACS Applied Polymer Materials</i> , 2023, 5, 991-1001.	2.0	4
3001	Natural deep eutectic solvent-ultrasound assisted extraction: A green approach for ellagic acid extraction from <i>Geum japonicum</i> . <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	3
3002	Study on the interactions between lactic acid-based deep eutectic solvents and bovine serum albumin. <i>New Journal of Chemistry</i> , 0, , .	1.4	0
3003	Impulsive Stimulated Raman Spectroscopy Reveals Synergistic Effects in Binary Mixture of Deep Eutectic Solvents and an Organic Co-solvent. , 2022, , .		0
3004	Solubility of Amino Acids in the Eutectic Solvent Constituted by Sodium Acetate Trihydrate and Urea and in Its Mixture with Water. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1550.	1.8	2
3005	Development of a CSDF-ME method using a new deep eutectic solvent for the microextraction and determination of antibiotic drugs in wastewater and urine samples. <i>New Journal of Chemistry</i> , 2023, 47, 2809-2820.	1.4	2
3006	Deep Eutectic Solvents Synthesis of $A_{2}Sb(C_{2}O_{4})_{3}$ ($A=NH_{4}, K, Rb$) with Superior Optical Performance. <i>Advanced Optical Materials</i> , 2023, 11, .	3.6	10
3007	Deep Eutectic Solvent-Based Ultrasound-Assisted Strategy for Simultaneous Extraction of Five Macamides from <i>Lepidium meyenii</i> Walp and In Vitro Bioactivities. <i>Foods</i> , 2023, 12, 248.	1.9	3
3008	Bioactive Substances and Biological Functions in <i>Malus hupehensis</i> : A Review. <i>Molecules</i> , 2023, 28, 658.	1.7	1
3009	Uncovering biodegradability and biocompatibility of betaine-based deep eutectic systems. <i>Environmental Science and Pollution Research</i> , 2023, 30, 40218-40229.	2.7	3
3010	Application of Natural Deep Eutectic Solvents for Extraction of Bioactive Components from <i>Rhodiola rosea</i> (L.). <i>Molecules</i> , 2023, 28, 912.	1.7	5
3011	The effect of water content on lignin solubilization in deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2023, 374, 121271.	2.3	10
3012	Cooperative hydrogen- and halogen-bonding interaction promoted deep eutectic solvent-functionalized magnetic metal-organic framework for perfluoroalkyl iodides detection in edible oils. <i>Food Control</i> , 2023, 148, 109625.	2.8	8
3013	Natural Deep Eutectic Solvents in the Synthesis of Inorganic Nanoparticles. <i>Materials</i> , 2023, 16, 627.	1.3	15
3014	Extraction of Ursolic Acid from Apple Peel with Hydrophobic Deep Eutectic Solvents: Comparison between Response Surface Methodology and Artificial Neural Networks. <i>Foods</i> , 2023, 12, 310.	1.9	3
3015	Extraction of Bioactive Compounds from <i>C. vulgaris</i> Biomass Using Deep Eutectic Solvents. <i>Molecules</i> , 2023, 28, 415.	1.7	11

#	ARTICLE	IF	CITATIONS
3016	CO ₂ -Responsive Hydrophobic Deep Eutectic Solvent Based on Surfactant-Free Microemulsion-Mediated Synthesis of BaF ₂ Nanoparticles. <i>Langmuir</i> , 0, , .	1.6	1
3017	Development and applications of deep eutectic solvents in different chromatographic techniques. <i>Journal of Planar Chromatography - Modern TLC</i> , 2022, 35, 549-570.	0.6	3
3018	Applications for natural deep eutectic solvents in Chinese herbal medicines. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	3
3019	Efficient Extraction of Flavonoids from Lotus Leaves by Ultrasonic-Assisted Deep Eutectic Solvent Extraction and Its Evaluation on Antioxidant Activities. <i>Separations</i> , 2023, 10, 65.	1.1	3
3020	Physicochemical Properties of N,N-Diethylethanolammonium Chloride/Ethylene Glycol based DES for Replacement of Ionic Liquid. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 0, , 1-11.	1.1	0
3021	Rapid Electrodeposition and Corrosion Behavior of Zn Coating from a Designed Deep Eutectic Solvent. <i>Metals</i> , 2023, 13, 172.	1.0	5
3022	Molecular Resolution Nanostructure and Dynamics of the Deep Eutectic Solventâ€”Graphite Interface as a Function of Potential. <i>Small</i> , 2023, 19, .	5.2	2
3023	The effect of the zinc salt on the electrochemical behaviors of Zn in ChCl-urea deep eutectic solvent. <i>Ionics</i> , 2023, 29, 1255-1265.	1.2	3
3024	Direct conversion of chitin derived N-acetyl-D-glucosamine into 3-acetamido-5-acetylfuran in deep eutectic solvents. <i>Carbohydrate Research</i> , 2023, 524, 108742.	1.1	3
3025	Facile preparation of deep eutectic solvents having high electrical conductivities. <i>Journal of Molecular Liquids</i> , 2023, 372, 121176.	2.3	4
3026	Deep eutectic solvents-modified advanced functional materials for pollutant detection in food and the environment. <i>TrAC - Trends in Analytical Chemistry</i> , 2023, 159, 116923.	5.8	14
3027	Using an eco-friendly deep eutectic solvent for waterless anti-felting of wool fibers. <i>Journal of Cleaner Production</i> , 2023, 386, 135732.	4.6	5
3028	In-situ microstructure regulation towards feasible production of self-reinforced lignocellulose nanopaper with multifunctionality. <i>Industrial Crops and Products</i> , 2023, 193, 116229.	2.5	8
3029	Current Progress in Natural Deep Eutectic Solvents for the Extraction of Active Components from Plants. <i>Critical Reviews in Analytical Chemistry</i> , 2023, 53, 177-198.	1.8	10
3030	Retention of a plethora of essential oils and aromas in deep eutectic solvent:water:cyclodextrin mixtures. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 0, , .	0.9	1
3031	Deep Eutectic Solvents: Fundamental Aspect, Characterizations And Applications. <i>Recent Advances in Drug Delivery and Formulation</i> , 2022, 17, .	0.3	0
3032	Extraction of Flavonoids from <i>Koenigia weyrichii</i> Using a Deep Eutectic Mixture of Choline Chloride + Glycerine. <i>Russian Journal of Bioorganic Chemistry</i> , 2022, 48, 1565-1570.	0.3	0
3033	Solvent Regeneration Methods for Combined Dearomatization, Desulfurization, and Denitrogenation of Fuels Using Deep Eutectic Solvents. <i>ACS Omega</i> , 2023, 8, 626-635.	1.6	8

#	ARTICLE	IF	CITATIONS
3034	Aqueous Two-Phase Systems Based on Ionic Liquids and Deep Eutectic Solvents as a Tool for the Recovery of Non-Protein Bioactive Compoundsâ€™A Review. <i>Processes</i> , 2023, 11, 31.	1.3	15
3035	Dependence of ¹ H-NMR T ₁ relaxation time of trimethylglycine betaine deep eutectic solvents on the molar composition and on the presence of water. <i>RSC Advances</i> , 2023, 13, 3004-3007.	1.7	2
3036	Closing the Nutrient Loopâ€™The New Approaches to Recovering Biomass Minerals during the Biorefinery Processes. <i>International Journal of Environmental Research and Public Health</i> , 2023, 20, 2096.	1.2	2
3037	Syngas purification by ionic liquids and DESs. , 2023, , 73-99.		0
3039	Influence of Urea Content in Deep Eutectic Solvents on Thermoplastic Starch Filmsâ€™™ Properties. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 1383.	1.3	4
3040	Optimization of Potassium Carbonate-based DES as Catalyst in the Production of Biodiesel via Transesterification. <i>Journal of the Nigerian Society of Physical Sciences</i> , 0, , 1048.	0.0	1
3041	Extraction, separation and kinetics of phenylethanoids from <i>Plantago asiatica</i> L. by an innovative extraction technologyâ€™deep eutectic solvent-based ultrasound-assisted extraction. <i>Preparative Biochemistry and Biotechnology</i> , 2023, 53, 978-987.	1.0	0
3042	Environmentally Benign Pulping Processes. <i>Springer Briefs in Molecular Science</i> , 2023, , 37-85.	0.1	0
3043	Insight into the Molecular Structure, Interaction, and Dynamics of Aqueous Reline Deep Eutectic Solvent: A Nuclear Magnetic Resonance Investigation. <i>Journal of Physical Chemistry B</i> , 2023, 127, 1013-1021.	1.2	3
3044	Deep eutectic liquids for carbon capturing and fixation. , 2023, , 17-52.		0
3045	DES: their effect on lignin and recycling performance. <i>RSC Advances</i> , 2023, 13, 3241-3254.	1.7	11
3046	Nano-adsorbent Modification by Deep Eutectic Solvents for Wastewater Treatment Applications. , 2023, , 1-11.		0
3047	Investigation of the CO ₂ capture behavior in multiple-site natural deep eutectic solvents. <i>Chemical Engineering Research and Design</i> , 2023, 172, 136-143.	2.7	3
3048	Aqueous biphasic systems composed of alcohol-based deep eutectic solvents and inorganic salts: Application in the extraction of dyes with varying hydrophobicity. <i>Journal of Molecular Liquids</i> , 2023, 375, 121372.	2.3	12
3049	Ultrasonic-assisted hydrophobic deep eutectic solvents for the extraction of seven compounds from <i>Piperis longi fructus-Rhei radix et rhizoma</i> drug pair and their vitro antioxidant evaluation. <i>Sustainable Chemistry and Pharmacy</i> , 2023, 32, 100996.	1.6	5
3050	Shape and size-controlled starch nanoparticles prepared by self-assembly in natural deep eutectic solvents: Effect and mechanism. <i>Food Hydrocolloids</i> , 2023, 139, 108525.	5.6	6
3051	A quantitative thermodynamic metric for identifying deep eutectic solvents. <i>Physical Chemistry Chemical Physics</i> , 2023, 25, 7946-7950.	1.3	4
3052	Sustainable chemical recycling of plastic waste. , 2023, , 37-70.		0

#	ARTICLE	IF	CITATIONS
3053	Carbon Fibre Precursor from Oil Palm Biomass Lignin. <i>Advanced Structured Materials</i> , 2023, , 1-12.	0.3	0
3054	Deep Eutectic Solvents with Excellent Catalytic Ability for Extractive and Oxidative Desulfurization under Room Temperature. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 6292-6301.	3.2	4
3055	Unveiling the thermodynamic and molecular mechanisms for the separation of diethoxymethane and ethanol azeotrope by deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2023, 376, 121451.	2.3	1
3056	An overview of deep eutectic solvents: Alternative for organic electrolytes, aqueous systems & ionic liquids for electrochemical energy storage. <i>Journal of Energy Chemistry</i> , 2023, 82, 592-626.	7.1	17
3057	Comparison of physicochemical properties of choline chloride-based deep eutectic solvents for CO ₂ capture: Progress and outlook. <i>Journal of Molecular Liquids</i> , 2023, 376, 121436.	2.3	7
3058	A deep eutectic solvent binary-phase system for alkaloid extraction from Chinese herb <i>Evodia lepta</i> residue and its mechanism. <i>Journal of Cleaner Production</i> , 2023, 398, 136645.	4.6	4
3059	Deep eutectic solvent pretreatment for green preparation of nanocellulose. <i>Cellulose</i> , 2023, 30, 4773-4792.	2.4	9
3060	Production of lignocellulose nanofibrils by conventional and microwave-assisted deep-eutectic-solvent pretreatments: mechanical, antioxidant, and UV-blocking properties. <i>Cellulose</i> , 2023, 30, 4277-4292.	2.4	4
3061	Effects of deep eutectic solvents on the activity and stability of enzymes. <i>Journal of Molecular Liquids</i> , 2023, 377, 121562.	2.3	13
3062	Green extraction of pure ferromagnetic nickel from spent hydroprocessing catalysts via deep eutectic solvents. <i>Separation and Purification Technology</i> , 2023, 313, 123461.	3.9	6
3063	Comparison of physicochemical and thermal properties of choline chloride and betaine-based deep eutectic solvents: The influence of hydrogen bond acceptor and hydrogen bond donor nature and their molar ratios. <i>Journal of Molecular Liquids</i> , 2023, 377, 121563.	2.3	16
3064	Effects of deep eutectic solvents on the biotransformation efficiency of L-alanine transaminase. <i>Journal of Molecular Liquids</i> , 2023, 377, 121379.	2.3	5
3065	Nickel electrodeposition from deep eutectic solvents containing copper ions at a high temperature. <i>Journal of Molecular Liquids</i> , 2023, 378, 121584.	2.3	3
3066	Solvent extraction in non-ideal eutectic solvents – Application towards lanthanide separation. <i>Separation and Purification Technology</i> , 2023, 314, 123592.	3.9	6
3067	Extraction and separation characteristic stilbene compounds from pigeon pea leaves using V-type thymol-based natural deep eutectic solvent systems. <i>Chemical Engineering Research and Design</i> , 2023, 193, 600-612.	2.7	2
3068	Application of deep eutectic solvents in analytical sample pretreatment (update 2017–2022). Part A: Liquid phase microextraction. <i>Microchemical Journal</i> , 2023, 189, 108509.	2.3	12
3069	Extraction and functional properties of pigment from pumpkin peels by a novel green deep eutectic alcohol two-phase system. <i>Sustainable Chemistry and Pharmacy</i> , 2023, 33, 101067.	1.6	4
3070	Biochar based self cleaning superhydrophobic surface with aqueous DESphobic properties. <i>Journal of Molecular Liquids</i> , 2023, 380, 121736.	2.3	2

#	ARTICLE	IF	CITATIONS
3071	COSMO prediction of siloxane compounds absorption on type 3 and type 5 deep eutectic solvents. <i>Chemical Engineering Journal Advances</i> , 2023, 14, 100489.	2.4	0
3072	Understanding ion-ion and ion-urea interactions in mixtures of urea and choline oxyanions salts. <i>Journal of Molecular Liquids</i> , 2023, 379, 121647.	2.3	0
3073	Oxidative desulfurization of thiophene derivatives with L-proline/benzene sulfonic acid deep eutectic solvent and their interaction: An experimental and computational study. <i>Journal of Cleaner Production</i> , 2023, 406, 136878.	4.6	4
3074	Extraction of precious metals from used lithium-ion batteries by a natural deep eutectic solvent with synergistic effects. <i>Waste Management</i> , 2023, 164, 1-8.	3.7	13
3075	Encapsulated deep eutectic solvent and carbonic anhydrase jointly by microfluidics for high capture performance of carbon dioxide. <i>Separation and Purification Technology</i> , 2023, 315, 123701.	3.9	3
3076	High-efficiency recycling of spent lithium-ion batteries: A double closed-loop process. <i>Science of the Total Environment</i> , 2023, 875, 162567.	3.9	12
3077	Extraction of ibuprofen from baby lettuces by natural deep eutectic systems. <i>Journal of Food Composition and Analysis</i> , 2023, 119, 105225.	1.9	0
3078	Exploring anionic homopolymerization and copolymerization of vinyl monomers in deep eutectic solvent. <i>European Polymer Journal</i> , 2023, 191, 112044.	2.6	0
3079	Phenolic-based non-ionic deep eutectic solvent for rapid determination of water soluble neonicotinoid insecticides in tea infusion. <i>Food Chemistry</i> , 2023, 416, 135737.	4.2	3
3080	A new era of chitin synthesis and dissolution using deep eutectic solvents- comparison with ionic liquids. <i>Journal of Molecular Liquids</i> , 2023, 380, 121794.	2.3	12
3081	Why electrochemical capacitor electrolytes should not be ignored?. <i>Electrochimica Acta</i> , 2023, 452, 142347.	2.6	4
3082	Progress and prospects for deep eutectic solvents in colloidal nanoparticle synthesis. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2023, 41, 100770.	3.2	6
3083	Therapeutic deep eutectic solvents: A comprehensive review of their thermodynamics, microstructure and drug delivery applications. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2023, 186, 85-104.	2.0	13
3084	Biobased natural deep eutectic system as versatile solvents: Structure, interaction and advanced applications. <i>Science of the Total Environment</i> , 2023, 881, 163002.	3.9	21
3085	Separation of methanol and ethanol from azeotropic MTBE mixtures using choline chloride-based deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2023, 381, 121641.	2.3	1
3086	Water decolorization using tuned ternary Deep Eutectic solvents. <i>Journal of Molecular Liquids</i> , 2023, 381, 121832.	2.3	3
3087	Preparation of Ammonium Persulfate/Glycerol based Novel Deep Eutectic Solvent under controlled conditions; Characterizations, Physical properties. <i>Journal of Molecular Structure</i> , 2023, 1283, 135265.	1.8	1
3088	Simultaneous preconcentration and determination of trace metals in edible plants and water samples by a novel solvent bar microextraction using a meltblown layer of facemask as the extractant phase holder combined with FAAS. <i>Microchemical Journal</i> , 2023, 190, 108622.	2.3	6

#	ARTICLE	IF	CITATIONS
3089	Aromatic volatile organic compounds absorption with phenyl-based deep eutectic solvents: A molecular thermodynamics and dynamics study. <i>AIChE Journal</i> , 2023, 69, .	1.8	11
3090	Understanding the Interactive Relationship between Aliphatic Series Deep Eutectic Solvents and Lignocellulosic Dimer Model Compounds. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 2416-2426.	3.2	1
3091	Solubility of Xylene Isomers in Seven Deep Eutectic Solvents. <i>Journal of Chemical & Engineering Data</i> , 2023, 68, 416-429.	1.0	1
3092	Deep eutectic solvent electrolytes based on trifluoroacetamide and LiPF ₆ for Li-metal batteries. <i>Journal of Power Sources</i> , 2023, 561, 232746.	4.0	2
3093	Development of natural deep eutectic solvent (NADES) based on choline chloride as a green solvent to extract phenolic compound from coffee husk waste. <i>Arabian Journal of Chemistry</i> , 2023, 16, 104634.	2.3	14
3094	Performance tuning of chitosan-based membranes by protonated 2-Pyrrolidone-5-carboxylic acid-sulfolane DES for effective water/ethanol separation by pervaporation. <i>Chemical Engineering Research and Design</i> , 2023, 191, 401-413.	2.7	11
3095	¹² C-Diketone-Driven Deep Eutectic Solvent for Ultra-Efficient Natural Stable Lithium-7 Isotope Separation. <i>Separations</i> , 2023, 10, 111.	1.1	1
3096	DERÄ°N Ä-TEKTÄ°K Ä±Ä-ZÄœCÄœNÄœN Rheum ribes KÄ-KLERÄ°NDEN FENOLÄ°K BÄ°LEÄžÄ°K EKSTRAKSÄ°YONU ÄœZERÄ°NE ETKÄ° , 199-208.	0.1	0
3097	Bioinspired green deep eutectic solvents: preparation, catalytic activity, and biocompatibility. <i>Journal of Molecular Liquids</i> , 2023, 376, 121355.	2.3	12
3098	Towards Green Reductions in Bio-derived Solvents. <i>European Journal of Organic Chemistry</i> , 2023, 26, .	1.2	5
3099	Applications of New Generation Solvents for Extraction of Herbal Products Prior to Atomic and Molecular Analysis. <i>Journal of the Turkish Chemical Society, Section A: Chemistry</i> , 0, , 117-128.	0.4	0
3100	Bioethanol production from corn straw pretreated with deep eutectic solvents. <i>Electronic Journal of Biotechnology</i> , 2023, 62, 27-35.	1.2	5
3101	Sugar-based deep eutectic solvent-aqueous two-phase system. , 2023, , 63-80.		0
3102	VOCs absorption from gas streams using deep eutectic solvents â€“ A review. <i>Journal of Hazardous Materials</i> , 2023, 448, 130957.	6.5	27
3103	Acidic deep eutectic solvent assisted mechanochemical delignification of lignocellulosic biomass at room temperature. <i>International Journal of Biological Macromolecules</i> , 2023, 234, 123593.	3.6	15
3104	Celecoxib solubility in two choline chloride-based deep eutectic solvents- Experimental study, thermodynamic modeling, and molecular dynamic simulation. <i>Fluid Phase Equilibria</i> , 2023, 568, 113761.	1.4	5
3105	Effect of TiO ₂ nanoparticles on the mass transfer process of absorption of toluene: Experimental investigation and molecular dynamics simulation. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109474.	3.3	2
3106	A Decenary Update on the Deep Eutectic Solvents in Heterocyclic Scaffold Synthesis-A Green Solvent Approach. <i>Current Green Chemistry</i> , 2023, 10, 25-41.	0.7	1

#	ARTICLE	IF	CITATIONS
3107	Experimental Study on Solubility of Metal Oxides in Novel Deep Eutectic Solvents of Choline Chloride-Organic Acid. <i>Minerals, Metals and Materials Series</i> , 2023, , 321-330.	0.3	1
3108	Rare Earth and Critical Base Metals Electrodeposition Using Urea-Choline Chloride Ionic Liquids. <i>Minerals, Metals and Materials Series</i> , 2023, , 151-159.	0.3	1
3109	Menthol and Fatty Acid-Based Hydrophobic Deep Eutectic Solvents as Media for Enzyme Activation. <i>Processes</i> , 2023, 11, 547.	1.3	7
3110	Unexpectedly Superhigh Toxicity of Superbase-Derived Deep Eutectic Solvents albeit High Efficiency for CO ₂ Capture and Conversion. <i>Industrial & Engineering Chemistry Research</i> , 2023, 62, 3338-3347.	1.8	3
3111	Integration of deep eutectic solvent in biorefining process of lignocellulosic biomass valorization. <i>Bioresource Technology Reports</i> , 2023, 21, 101365.	1.5	10
3113	Sustainable lignin modifications and processing methods: green chemistry as the way forward. <i>Green Chemistry</i> , 2023, 25, 2042-2086.	4.6	15
3114	Stability Mechanism of Menthol and Fatty Acid Based Hydrophobic Eutectic Solvents: Insights from Nonbonded Interactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 3539-3556.	3.2	7
3115	Strategizing Assistive Heating Techniques on Delignification of Empty Fruit Bunch with Incorporation of Deep Eutectic Solvent. <i>Waste and Biomass Valorization</i> , 0, , .	1.8	1
3116	A novel solvent system of polyamides achieves new application in ZIBs by aggregation induced Lewis acid-base centers. <i>Chemical Engineering Journal</i> , 2023, 461, 141987.	6.6	0
3117	Immobilized Cu(0) nanoparticles on montmorillonite-modified with benzalkonium chloride (MMT-BAC@Cu(0)): as an eco-friendly and proficient heterogeneous nano-catalyst for green synthesis of 5-substituted 1 <i>H</i> -tetrazoles. <i>RSC Advances</i> , 2023, 13, 6160-6170.	1.7	0
3118	A green and efficient combination process for recycling spent lithium-ion batteries. <i>Journal of Cleaner Production</i> , 2023, 396, 136552.	4.6	9
3119	Deep Eutectic Solvents for Biotechnology Applications. <i>Biochemistry (Moscow)</i> , 2023, 88, S150-S175.	0.7	2
3120	Does variation in composition affect dynamics when approaching the eutectic composition?. <i>Journal of Chemical Physics</i> , 2023, 158, .	1.2	5
3121	Advanced technologies for chitin recovery from crustacean waste. <i>Clean Technologies and Recycling</i> , 2023, 3, 4-43.	1.3	3
3122	A base-free hydroxylaminolysis protocol promoted by ZnO in deep eutectic solvents. <i>Green Chemistry</i> , 2023, 25, 2446-2452.	4.6	2
3123	Deep Eutectic Solvents for Enhancing the Rheological Behavior of Polymers and Clays in Polymeric Water-Based Drilling Fluids. <i>Energy & Fuels</i> , 2023, 37, 4391-4400.	2.5	5
3124	Pretreatments as a key for enzymatic hydrolysis of lignocellulosic biomass. , 2023, , 109-137.		0
3125	Research on deep eutectic solvents for the construction of humidity-responsive cellulose nanocrystal composite films. <i>International Journal of Biological Macromolecules</i> , 2023, 235, 123805.	3.6	4

#	ARTICLE	IF	CITATIONS
3126	Green synthesis of 5-hydroxymethylfurfural and 5-acetoxymethylfurfural using a deep eutectic solvent in a biphasic system assisted by microwaves. <i>Reaction Chemistry and Engineering</i> , 0, , .	1.9	1
3127	Eutectic In Situ Modification of Polyamide 12 Processed through Laser-Based Powder Bed Fusion. <i>Materials</i> , 2023, 16, 2050.	1.3	0
3128	Nano-adsorbent Modification by Deep Eutectic Solvents for Wastewater Treatment Applications. , 2023, , 1-11.		0
3129	Deep eutectic solvents in CO2 capture. , 2023, , 193-216.		0
3130	Development and challenges of deep eutectic solvents for cathode recycling of end-of-life lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2023, 463, 142278.	6.6	14
3131	Effects of the Extraction Solvents on Dissolution Rate and Antioxidant Capacity of <i>Auricularia auricula</i> (Agaricomycetes) Polysaccharides In Vivo and In Vitro. <i>International Journal of Medicinal Mushrooms</i> , 2023, , .	0.9	0
3132	Cobalt Deposition from Ionothermally Dissolved Cobalt Oxides. <i>ChemSusChem</i> , 2023, 16, .	3.6	4
3133	Hydrophobic Deep Eutectic Solvents as Greener Substitutes for Conventional Extraction Media: Examples and Techniques. <i>ACS Omega</i> , 2023, 8, 9702-9728.	1.6	15
3134	Chemometric study for the performances of deep eutectic solvents during the recovery of high-added-value substances from <i>Moringa oleifera</i> leaves: Principal component analysis. <i>Phytochemical Analysis</i> , 0, , .	1.2	0
3135	From Foxtail Millet Husk (Waste) to Bioactive Phenolic Extracts Using Deep Eutectic Solvent Extraction and Evaluation of Antioxidant, Acetylcholinesterase, and β -Glucosidase Inhibitory Activities. <i>Foods</i> , 2023, 12, 1144.	1.9	5
3136	The evaluation of deep eutectic solvents and ionic liquids as cosolvents system for improving cellulase properties. <i>Industrial Crops and Products</i> , 2023, 197, 116555.	2.5	3
3137	Deep Eutectic Solvent-Based Microwave-Assisted Extraction for the Extraction of Seven Main Flavonoids from <i>Ribes mandshuricum</i> (Maxim.) Kom. Leaves. <i>Separations</i> , 2023, 10, 191.	1.1	5
3138	Efficient and eco-friendly isolation and purification of lignin from black liquor with choline chloride-based deep eutectic solvents. <i>Nordic Pulp and Paper Research Journal</i> , 2023, 38, 367-380.	0.3	1
3139	Liquid-liquid microextraction techniques based on in-situ formation/decomposition of deep eutectic solvents. <i>TrAC - Trends in Analytical Chemistry</i> , 2023, 161, 117019.	5.8	21
3140	Synthesis of hydrophilic glyceryl monocaffeate with economical catalyst cation-exchange resin Amberlyst [®] 35. <i>Journal of the Science of Food and Agriculture</i> , 2023, 103, 4676-4684.	1.7	0
3141	Solvation Shell Structures of Ammonia in Reline and Ethaline Deep Eutectic Solvents. <i>Journal of Physical Chemistry B</i> , 2023, 127, 2499-2510.	1.2	3
3142	Experimental Investigation of Novel Green Solvents for Improving Oil Recovery through Interfacial Tension. , 2023, , .		0
3143	Valorizing waste PET bottles into Li-ion battery anodes using ionothermal carbonization. <i>Nanomaterials and Energy</i> , 2022, 11, 92-100.	0.1	0

#	ARTICLE	IF	CITATIONS
3144	Choline Chloride-Based Deep Eutectic Solvent-Treated Wood. <i>Forests</i> , 2023, 14, 569.	0.9	0
3145	Ionic liquids and deep eutectic solvents in wastewater treatment: recent endeavours. <i>International Journal of Environmental Science and Technology</i> , 2024, 21, 977-996.	1.8	0
3146	High-Pressure Density of DL-Menthol/Octanoic Acid Eutectic Solvents. <i>Journal of Chemical & Engineering Data</i> , 2023, 68, 881-888.	1.0	0
3147	Green Separation and Extraction of Isofraxidin from <i>Acanthopanax senticosus</i> Using Deep Eutectic Solvent Synthesized from Choline Chloride and Citric Acid. <i>Processes</i> , 2023, 11, 943.	1.3	0
3148	A Facile Deep Eutectic Solvent (DES) Mediated Green Approach for the Synthesis of Fluorescein and Phenolphthalein Dyes. <i>ChemistrySelect</i> , 2023, 8, .	0.7	2
3149	Amine protection by <i>in situ</i> formation of choline chloride-based deep eutectic solvents. <i>Green Chemistry</i> , 2023, 25, 3208-3213.	4.6	3
3150	Efficient Recovery of Valuable Metals from Lithium-Ion Battery Cathodes Using Phytic Acid-Based Deep Eutectic Solvents at a Mild Temperature. <i>Energy & Fuels</i> , 2023, 37, 5361-5369.	2.5	13
3151	Design Strategy and Application of Deep Eutectic Solvents for Green Synthesis of Nanomaterials. <i>Nanomaterials</i> , 2023, 13, 1164.	1.9	8
3152	Influence of water on the conformations and interactions within two choline chloride-based deep eutectic solvents: a density functional theory investigation. <i>Structural Chemistry</i> , 2023, 34, 2165-2183.	1.0	3
3153	A novel method for synthesizing one or two-dimensional metal oxide (hydroxide) nanomaterials using deep eutectic solvents. <i>New Journal of Chemistry</i> , 2023, 47, 7903-7909.	1.4	1
3154	Pt ₂ CeO ₂ Heterojunction Supported on Multiwalled Carbon Nanotubes for Robust Electrocatalytic Oxidation of Methanol. <i>Molecules</i> , 2023, 28, 2995.	1.7	1
3155	Extraction and separation studies of Nd/Fe and Sm/Co by deep eutectic solvent containing Aliquat 336 and glycerol. <i>Journal of Chemical Technology and Biotechnology</i> , 2023, 98, 1631-1641.	1.6	5
3156	Design and application of self-healable polymeric films and coatings for smart food packaging. <i>Npj Science of Food</i> , 2023, 7, .	2.5	5
3157	Technology, Science and Culture: A Global Vision, Volume IV. , 0, , .		0
3158	Structure of choline chloride-carboxylic acid deep eutectic solvents by wide-angle X-ray scattering and DFT calculations. <i>Physical Chemistry Chemical Physics</i> , 2023, 25, 10481-10494.	1.3	4
3159	Ionic Liquids as Promisingly Multi-Functional Participants for Electrocatalyst of Water Splitting: A Review. <i>Molecules</i> , 2023, 28, 3051.	1.7	3
3160	Copper(<i>II</i>)-catalyzed click chemistry in deep eutectic solvent for the syntheses of <i>2</i> -glucopyranosyltriazoles. <i>RSC Advances</i> , 2023, 13, 10424-10432.	1.7	2
3161	An environmentally friendly method for extraction of cobalt and molybdenum from spent catalysts using deep eutectic solvents (DESS). <i>Environmental Science and Pollution Research</i> , 2023, 30, 90243-90255.	2.7	5

#	ARTICLE	IF	CITATIONS
3162	Fluorescence of pyrene and its derivatives to reveal constituent and composition dependent solvation within hydrophobic deep eutectic solvents. <i>Physical Chemistry Chemical Physics</i> , 2023, 25, 11998-12012.	1.3	1
3163	Optimization of High-Performance Liquid Chromatography (HPLC) Conditions for Isoflavones Using Deep Eutectic Solvents (DESs) as Mobile Phase Additives by the HCl Program. <i>Analytical Letters</i> , 0, , 1-12.	1.0	0
3164	Unconventional Electrochemical Behaviors of Cu Underpotential Deposition in a Chloride-Based Deep Eutectic Solvent: High Underpotential Shift and Low Coverage. <i>Analytical Chemistry</i> , 2023, 95, 6458-6466.	3.2	2
3165	Quantum chemical and experimental studies on the extraction of acid blue 80 and acid red 1 from their aquatic environment using tetrabutylammonium bromide based deep eutectic solvents. <i>Journal of Dispersion Science and Technology</i> , 2023, 44, 1778-1787.	1.3	1
3166	Application of a novel deep eutectic solvent as a capable and new catalyst for the synthesis of tetrahydropyridines and 1,3-thiazolidin-4-ones. <i>Scientific Reports</i> , 2023, 13, .	1.6	1
3167	Study on CO ₂ absorption performance of ternary DES formed based on DEA as promoting factor. <i>Open Chemistry</i> , 2023, 21, .	1.0	1
3168	Fine-tuning the Basicity of Deep Eutectic Solvents by Substituting Guanidine for Urea in Reline. <i>ACS Omega</i> , 2023, 8, 14694-14698.	1.6	3
3169	Experimental and theoretical investigation on enhanced selective recognition of methamphetamine by customized adsorbent. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109927.	3.3	0
3170	N-, O- and S-Heterocycles Synthesis in Deep Eutectic Solvents. <i>Molecules</i> , 2023, 28, 3459.	1.7	7
3171	COSMO-RS Exploration of Highly CO ₂ -Selective Hydrogen-Bonded Binary Liquid Absorbents under Humid Conditions: Role of Trace Ionic Species. <i>ACS Omega</i> , 2023, 8, 14478-14483.	1.6	2
3172	Application of Recently used Green Solvents in Sample Preparation Techniques: A Comprehensive Review of Existing Trends, Challenges, and Future Opportunities. <i>Critical Reviews in Analytical Chemistry</i> , 0, , 1-20.	1.8	5
3173	Ionic Liquids and Deep-Eutectic Solvents in Extractive Metallurgy: Mismatch Between Academic Research and Industrial Applicability. <i>Journal of Sustainable Metallurgy</i> , 2023, 9, 423-438.	1.1	22
3174	Deep eutectic solvent coated paper: Sustainable sorptive phase for sample preparation. <i>Journal of Chromatography A</i> , 2023, 1698, 464003.	1.8	5
3175	Lipid extraction from fresh <i>Nannochloropsis oceanica</i> using semi-hydrophobic eutectic solvents. <i>Algal Research</i> , 2023, 72, 103117.	2.4	3
3176	Natural multi-osmolyte cocktails form deep eutectic systems of unprecedented complexity: discovery, affordances and perspectives. <i>Green Chemistry</i> , 2023, 25, 3398-3417.	4.6	2
3177	New Class of Tunable Choline Bromide-Based Hydrophobic Deep Eutectic Solvents for the Extraction of Bioactive Compounds of Varying Polarity from a Plant Matrix. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 6665-6675.	3.2	5
3178	Other thermal methods. , 2023, , 315-354.		0
3195	Sustainable Biodegradation and Extraction of Keratin with Its Applications. , 2023, , 713-747.		0

#	ARTICLE	IF	CITATIONS
3210	Liquid-liquid extraction. , 2023, , 227-239.		1
3212	Cu-catalysed Chanâ€“Evansâ€“Lam reaction meets deep eutectic solvents: efficient and selective Câ€“N bond formation under aerobic conditions at room temperature. , 2023, 1, 847-852.		2
3223	Potential of Deep Eutectic Solvents in the Upstream Oil and Gas Industry. , 2023, , .		1
3227	Greener chemistry in analytical sciences: from green solvents to applications in complex matrices. Current challenges and future perspectives: a critical review. Analyst, The, 2023, 148, 3130-3152.	1.7	10
3231	Solid-liquid interfacial nanostructure of ionic liquids and deep eutectic solvents. , 2024, , 627-650.		1
3269	Green materials with promising applications: cyclodextrin-based deep eutectic supramolecular polymers. Green Chemistry, 2023, 25, 4180-4195.	4.6	8
3280	Mechanochemical Synthesis of Cocrystal: From Mechanism to Application. Crystal Growth and Design, 2023, 23, 4680-4700.	1.4	6
3302	Deep Eutectic Solvents (DESs) in Green Sample Preparation. , 2023, , 212-253.		0
3312	Zn(NO ₃) ₂ ·6H ₂ O/Urea Composite Deep Eutectic Solvents Derived Through Facile and Green Synthesis Approach as an Electrolyte for Rechargeable Zinc Air Batteries. Green Energy and Technology, 2023, , 253-261.	0.4	0
3317	The Most Potent Natural Pharmaceuticals, Cosmetics, and Food Ingredients Isolated from Plants with Deep Eutectic Solvents. Journal of Agricultural and Food Chemistry, 2023, 71, 10877-10900.	2.4	9
3347	Evaluation of the potential of a deep eutectic solvent for liquid-liquid extraction of furfural using optimization-based process design. Computer Aided Chemical Engineering, 2023, , 955-960.	0.3	0
3358	Remediation and recycling of inorganic acids and their green alternatives for sustainable industrial chemical processes. Environmental Science Advances, 2023, 2, 1306-1339.	1.0	0
3369	Recent Applications of Deep Eutectic Solvents. Current and Future Developments in Food Science, 2023, , 132-196.	0.0	0
3384	Numerical Simulation of Flow Batteries Using a Multi-scale Macroscopic-Mesosopic Approach. Engineering Applications of Computational Methods, 2023, , 127-156.	0.5	0
3393	Natural deep eutectic solvents (NaDES): translating cell biology to processing. Green Chemistry, 2023, 25, 9045-9062.	4.6	2
3410	Quinary RuRhPdPtAu high-entropy alloy as an efficient electrocatalyst for the hydrogen evolution reaction. Chemical Communications, 2023, 59, 12863-12866.	2.2	2
3416	Unexpected mechanically robust ionic conductive elastomer constructed from an itaconic acid-involved polymerizable DES. Chemical Communications, 0, , .	2.2	0
3422	Alternative Extraction Systems for Precious Metals Recovery: Aqueous Biphasic Systems, Ionic Liquids, Deep Eutectic Solvents. , 0, , .		0

#	ARTICLE	IF	CITATIONS
3436	Green solvents. , 0, , .		0
3450	QSAR models for toxicity assessment of multicomponent systems. , 2023, , 409-425.		0
3478	Deep eutectic solvents as a versatile platform toward CO ₂ capture and utilization. Green Chemistry, 2023, 25, 8328-8348.	4.6	1
3485	Enantiopure natural deep eutectic solvents for metal-organic framework chiral induction. Green Chemistry, 0, , .	4.6	0
3515	Alkaline Pretreatment Toward Sustainable Biorefinery. , 2024, , 1-27.		0
3519	Micropollutants™ Extraction from Aqueous Systems Using Ionic Liquids and Deep Eutectic Solvents. , 2023, , 172-212.		0
3530	The dawn of aqueous deep eutectic solvents for lignin extraction. Green Chemistry, 2023, 25, 10235-10262.	4.6	2
3569	Eutectic solvents and low molecular weight gelators for next-generation supramolecular eutectogels: a sustainable chemistry perspective. , 2024, 2, 288-319.		0
3590	Recent advances in catalytic conversion of lignin to value-added chemicals using ionic liquids and deep eutectic solvents: a critical review. Green Chemistry, 2024, 26, 1062-1091.	4.6	1
3598	Green recycling of spent Li-ion battery cathodes <i>via</i> deep-eutectic solvents. Energy and Environmental Science, 2024, 17, 867-884.	15.6	2
3602	Novel reaction systems for catalytic synthesis of structured phospholipids. Applied Microbiology and Biotechnology, 2024, 108, .	1.7	1
3607	Green Solvents in Organic Synthesis. , 0, , .		0
3629	A tutorial review for research laboratories to support the vital path toward inherently sustainable and green synthetic chemistry. , 2024, 2, 578-607.		0
3634	Process intensification of separation and synthesis pathways using deep eutectic solvents. , 2024, , 75-100.		0
3635	Bacterial laccase-like multicopper oxidases in delignification and detoxification processes. , 2024, , 193-228.		0
3638	Breaking new grounds: metal salts based-deep eutectic solvents and their applications- a comprehensive review. Green Chemistry, 2024, 26, 2421-2453.	4.6	0
3640	Insect processing for chitin production. , 2024, , 129-143.		0
3642	Deep Eutectic Solvents and Their Use for Sustainable Pretreatment of Lignocellulosic Biomass. , 2024, , 1-28.		0

#	ARTICLE	IF	CITATIONS
3645	Electronucleation and growth of metals from aqueous and non-aqueous solvents. , 2024, , 65-100.		0
3667	The Effect of Temperature on Electrodeposition Behavior of Cobalt from Cobalt Chloride Using 2:1 Urea/ChCl Ionic Liquid. Minerals, Metals and Materials Series, 2024, , 1472-1479.	0.3	0
3670	Hollow-Fibre Liquid-Phase Microextraction. Integrated Analytical Systems, 2024, , 243-274.	0.4	0
3721	Deep eutectic solvents for natural gas dehydration. , 2024, , 143-158.		0
3729	Screen and design of deep eutectic solvents (DESs) for the extraction of delphinidin-3-sambubioside from Hibiscus sabdariffa via COSMO-RS. AIP Conference Proceedings, 2024, , .	0.3	0