

Joo A Coutinho

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

716
papers

33,539
citations

92
h-index

141
g-index

755
ext. papers

37,601
ext. citations

5.1
avg. IF

7.67
L-index

#	Paper	IF	Citations
716	Advances achieved in solid-phase microextraction using polymeric ionic liquids 2022 , 347-381		
715	Separation of Albumin from Bovine Serum Applying Ionic-Liquid-Based Aqueous Biphasic Systems. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 707	2.6	1
714	Purification of Immunoglobulin Y from egg yolk using thermoresponsive aqueous micellar two-phase systems comprising ionic liquids. <i>Separation and Purification Technology</i> , 2022 , 120589	8.3	0
713	Comparison of two computational methods for solvent screening in countercurrent and centrifugal partition chromatography.. <i>Journal of Chromatography A</i> , 2022 , 1666, 462859	4.5	1
712	Ionic liquids or eutectic solvents? Identifying the best solvents for the extraction of astaxanthin and β -carotene from <i>Phaffia rhodozyma</i> yeast and preparation of biodegradable films. <i>Green Chemistry</i> , 2022 , 24, 118-123	10	1
711	Physico-chemical characterization of aqueous solutions of superbase ionic liquids with cellulose dissolution capability. <i>Fluid Phase Equilibria</i> , 2022 , 113414	2.5	1
710	Aqueous Biphasic Systems Comprising Natural Organic Acid-Derived Ionic Liquids. <i>Separations</i> , 2022 , 9, 46	3.1	0
709	Development of quantitative structure-property relationship to predict the viscosity of deep eutectic solvent for CO ₂ capture using molecular descriptor. <i>Journal of Molecular Liquids</i> , 2022 , 347, 118239	6	4
708	The excess volumes of protic ionic liquids and its significance to their thermodynamic modelling. <i>Fluid Phase Equilibria</i> , 2022 , 552, 113277	2.5	1
707	Using aqueous solutions of ionic liquids as chlorophyll eluents in solid-phase extraction processes. <i>Chemical Engineering Journal</i> , 2022 , 428, 131073	14.7	7
706	The impact of size and shape in the performance of hydrotropes: a case-study of alkanediols.. <i>Physical Chemistry Chemical Physics</i> , 2022 , 24, 7624-7634	3.6	1
705	Ionogels for Biomedical Applications. <i>Materials Horizons</i> , 2022 , 391-425	0.6	1
704	Octanol/Water Partition Coefficients and Aqueous Solubility Data of Monoterpenoids: Experimental, Modeling, and Environmental Distribution. <i>Industrial & Engineering Chemistry Research</i> , 2022 , 61, 3154-3167	3.9	2
703	Bio-Based Solar Energy Harvesting for Onsite Mobile Optical Temperature Sensing in Smart Cities.. <i>Advanced Science</i> , 2022 , e2104801	13.6	3
702	Breaking the Structure of Liquid Hydrogenated Alcohols Using Perfluorinated -Butanol: A Multitechnique Approach (Infrared, Raman, and X-ray Scattering) Analyzed by DFT and Molecular Dynamics Calculations.. <i>Journal of Physical Chemistry B</i> , 2022 ,	3.4	1
701	Encapsulated Protic Ionic Liquids as Sustainable Materials for CO ₂ Separation. <i>Industrial & Engineering Chemistry Research</i> , 2022 , 61, 4046-4057	3.9	
700	Type V deep eutectic solvents: Design and applications. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2022 , 35, 100612	7.9	3

699	On the aggregation of bovine serum albumin. <i>Journal of Molecular Liquids</i> , 2021 , 349, 118183	6	0
698	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	10	2
697	Selective Sequential Recovery of Zinc and Copper from Acid Mine Drainage. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 3647-3657	8.3	1
696	Sustainable Strategy Based on Induced Precipitation for the Purification of Phycobiliproteins. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 3942-3954	8.3	7
695	Multiproduct Microalgae Biorefineries Mediated by Ionic Liquids. <i>Trends in Biotechnology</i> , 2021 , 39, 1131-1143	11.6	6
694	Protein-olive oil-in-water nanoemulsions as encapsulation materials for curcumin acting as anticancer agent towards MDA-MB-231 cells. <i>Scientific Reports</i> , 2021 , 11, 9099	4.9	6
693	Gaseous hetero dimers of perfluoro tert-butyl alcohol with hydrogenated alcohols by infrared spectroscopy and quantum DFT calculations. <i>Chemical Physics</i> , 2021 , 544, 111110	2.3	1
692	Enhancing Artemisinin Solubility in Aqueous Solutions: Searching for Hydrotropes based on Ionic Liquids. <i>Fluid Phase Equilibria</i> , 2021 , 534, 112961	2.5	1
691	Sustainable liquid supports for laccase immobilization and reuse: Degradation of dyes in aqueous biphasic systems. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 2514-2523	4.9	4
690	Infinite Dilution Activity Coefficients in the Smectic and Isotropic Phases of Tetrafluoroborate-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 2587-2596	2.8	3
689	Extraction and Fractionation of Pigments from <i>Saccharina latissima</i> (Linnaeus, 2006) Using an Ionic Liquid + Oil + Water System. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 6599-6612	8.3	10
688	A HNO ₂ -Responsive Aqueous Biphasic System for Metal Separation: Application towards Ce Recovery. <i>ChemSusChem</i> , 2021 , 14, 3018-3026	8.3	2
687	Engineering Cytochrome C with Quantum Dots and Ionic Liquids: A Win-Win Strategy for Protein Packaging against Multiple Stresses. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 8327-8335	8.3	2
686	Cholinium-based ionic liquids as bioinspired hydrotropes to tackle solubility challenges in drug formulation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021 , 164, 86-92	5.7	7
685	Selective recovery and purification of carotenoids and fatty acids from <i>Rhodotorula glutinis</i> using mixtures of biosolvents. <i>Separation and Purification Technology</i> , 2021 , 266, 118548	8.3	11
684	Toward a Critical Evaluation of DES-Based Organic Biphasic Systems: Are Deep Eutectic Solvents so Critical?. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 9707-9716	8.3	1
683	Extraction of phenolic compounds from rosemary using choline chloride based Deep Eutectic Solvents. <i>Separation and Purification Technology</i> , 2021 , 258, 117975	8.3	27
682	Sequential recovery of C-phycoerythrin and chlorophylls from <i>Anabaena cylindrica</i> . <i>Separation and Purification Technology</i> , 2021 , 255, 117538	8.3	8

681	Recovery of pigments from <i>Ulva rigida</i> . <i>Separation and Purification Technology</i> , 2021 , 255, 117723	8.3	9
680	Propranolol resolution using enantioselective biphasic systems. <i>Separation and Purification Technology</i> , 2021 , 254, 117682	8.3	4
679	Economic analysis of the production and recovery of green fluorescent protein using ATPS-based bioprocesses. <i>Separation and Purification Technology</i> , 2021 , 254, 117595	8.3	7
678	The role of ionic vs. non-ionic excipients in APIs-based eutectic systems. <i>European Journal of Pharmaceutical Sciences</i> , 2021 , 156, 105583	5.1	6
677	Wood delignification with aqueous solutions of deep eutectic solvents. <i>Industrial Crops and Products</i> , 2021 , 160, 113128	5.9	11
676	The impact of oligomeric anions on the speciation of protic ionic liquids. <i>Fluid Phase Equilibria</i> , 2021 , 531, 112919	2.5	4
675	Purification of green fluorescent protein using fast centrifugal partition chromatography. <i>Separation and Purification Technology</i> , 2021 , 257, 117648	8.3	2
674	Ionic liquids as entrainers for terpenes fractionation and other relevant separation problems. <i>Journal of Molecular Liquids</i> , 2021 , 323, 114647	6	6
673	Nucleophilic degradation of diazinon in thermoreversible polymer-polymer aqueous biphasic systems. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 4133-4140	3.6	
672	Solvent extraction in extended hydrogen bonded fluids: Separation of Pt(IV) from Pd(II) using TOPO-based type V DES. <i>Green Chemistry</i> , 2021 , 23, 4540-4550	10	4
671	The impact of the counterion in the performance of ionic hydrotropes. <i>Chemical Communications</i> , 2021 , 57, 2951-2954	5.8	5
670	Using coarse-grained molecular dynamics to understand the effect of ionic liquids on the aggregation of Pluronic copolymer solutions. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 5824-5833	3.6	5
669	Recovery of Chlorophyll a Derivative from <i>Spirulina maxima</i> : Its Purification and Photosensitizing Potential. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 1772-1780	8.3	4
668	Zwitterionic compounds are less ecotoxic than their analogous ionic liquids. <i>Green Chemistry</i> , 2021 , 23, 3683-3692	10	6
667	One-Step All-Aqueous Interfacial Assembly of Robust Membranes for Long-Term Encapsulation and Culture of Adherent Stem/Stromal Cells. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2100266	10.1	3
666	Using COSMO-RS to Predict Solvatochromic Parameters for Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 10240-10249	8.3	8
665	Development of a robust soft-SAFT model for protic ionic liquids using new high-pressure density data. <i>Fluid Phase Equilibria</i> , 2021 , 539, 113036	2.5	7
664	Integrated Biocatalytic Platform Based on Aqueous Biphasic Systems for the Sustainable Oligomerization of Rutin. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 9941-9950	8.3	2

663	Valorization of Spent Coffee by Caffeine Extraction Using Aqueous Solutions of Cholinium-Based Ionic Liquids. <i>Sustainability</i> , 2021 , 13, 7509	3.6	2
662	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	3.9	6
661	Integrated Production and Separation of Furfural Using an Acidic-Based Aqueous Biphasic System. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 12205-12212	8.3	1
660	Amino-acid-based chiral ionic liquids characterization and application in aqueous biphasic systems. <i>Fluid Phase Equilibria</i> , 2021 , 542-543, 113091	2.5	3
659	The structure of liquid perfluoro Tert-Butanol using Infrared, Raman and X-Ray scattering analyzed by quantum DFT calculations and molecular Dynamics. <i>Chemical Physics Letters</i> , 2021 , 779, 138844	2.5	1
658	Solid-liquid phase behavior of eutectic solvents containing sugar alcohols. <i>Journal of Molecular Liquids</i> , 2021 , 337, 116392	6	2
657	Aqueous solutions of organic acids as effective solvents for levodopa extraction from <i>Mucuna pruriens</i> seeds. <i>Separation and Purification Technology</i> , 2021 , 274, 119084	8.3	2
656	Unveiling the phase behavior of CE non-ionic surfactants in water through coarse-grained molecular dynamics simulations. <i>Soft Matter</i> , 2021 , 17, 5183-5196	3.6	1
655	Non-Ideality in Thymol + Menthol Type V Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 2203-2211	8.3	15
654	Chlorophylls Extraction from Spinach Leaves Using Aqueous Solutions of Surface-Active Ionic Liquids. <i>Sustainable Chemistry</i> , 2021 , 2, 764-777	3.6	1
653	Kraft Lignin Solubility and Its Chemical Modification in Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 18577-18589	8.3	19
652	Integrative platform for the selective recovery of intracellular carotenoids and lipids from <i>Rhodotorula glutinis</i> CCT-2186 yeast using mixtures of bio-based solvents. <i>Green Chemistry</i> , 2020 , 22, 8478-8494	10	10
651	Unveiling the mechanism of hydrotropy: evidence for water-mediated aggregation of hydrotropes around the solute. <i>Chemical Communications</i> , 2020 , 56, 7143-7146	5.8	22
650	Instantaneous fibrillation of egg white proteome with ionic liquid and macromolecular crowding. <i>Communications Materials</i> , 2020 , 1,	6	5
649	Insights on the Extraction Performance of Alkanediols and Glycerol: Using L. Leaves as a Source of Bioactive Compounds. <i>Molecules</i> , 2020 , 25,	4.8	5
648	Environmentally friendly luminescent solar concentrators based on an optically efficient and stable green fluorescent protein. <i>Green Chemistry</i> , 2020 , 22, 4943-4951	10	15
647	<i>Neochloris oleoabundans</i> biorefinery: Integration of cell disruption and purification steps using aqueous biphasic systems-based in surface-active ionic liquids. <i>Chemical Engineering Journal</i> , 2020 , 399, 125683	14.7	6
646	Glycerol Ethers as Hydrotropes and Their Use to Enhance the Solubility of Phenolic Acids in Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 5742-5749	8.3	18

645	Non-ionic hydrophobic eutectics Versatile solvents for tailored metal separation and valorisation. <i>Green Chemistry</i> , 2020 , 22, 2810-2820	10	30
644	The cation effect on the solubility of glycyglycine and N-acetylglycine in aqueous solution: Experimental and molecular dynamics studies. <i>Journal of Molecular Liquids</i> , 2020 , 310, 113044	6	1
643	High pressure density of tricyanomethanide-based ionic liquids: Experimental and PC-SAFT modelling. <i>Fluid Phase Equilibria</i> , 2020 , 520, 112652	2.5	4
642	Solid-liquid phase equilibrium of trans-cinnamic acid, p-coumaric acid and ferulic acid in water and organic solvents: Experimental and modelling studies. <i>Fluid Phase Equilibria</i> , 2020 , 521, 112747	2.5	6
641	Novel insights into biomass delignification with acidic deep eutectic solvents: a mechanistic study of D-4 ether bond cleavage and the role of the halide counterion in the catalytic performance. <i>Green Chemistry</i> , 2020 , 22, 2474-2487	10	34
640	Isobaric vapor-liquid equilibrium of water + glymes binary mixtures: Experimental measurements and molecular thermodynamic modelling. <i>Fluid Phase Equilibria</i> , 2020 , 513, 112547	2.5	4
639	Modeling asphaltene precipitation in Algerian oilfields with the CPA EoS. <i>Journal of Petroleum Science and Engineering</i> , 2020 , 190, 107115	4.4	4
638	Hydroethanolic extract of <i>Juglans regia</i> L. green husks: A source of bioactive phytochemicals. <i>Food and Chemical Toxicology</i> , 2020 , 137, 111189	4.7	10
637	Ionic Liquid-Mediated Recovery of Carotenoids from the <i>Bactris gasipaes</i> Fruit Waste and Their Application in Food-Packaging Chitosan Films. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 4085-4095	8.3	26
636	Fast and Efficient Method to Evaluate the Potential of Eutectic Solvents to Dissolve Lignocellulosic Components. <i>Sustainability</i> , 2020 , 12, 3358	3.6	6
635	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	3.4	11
634	Potential Threats of Ionic Liquids to the Environment and Ecosphere 2020 , 1-17		0
633	Aqueous two-phase systems: Towards novel and more disruptive applications. <i>Fluid Phase Equilibria</i> , 2020 , 505, 112341	2.5	38
632	Selection and characterization of non-ideal ionic liquids mixtures to be used in CO ₂ capture. <i>Fluid Phase Equilibria</i> , 2020 , 518, 112621	2.5	13
631	Understanding the thermal behaviour of blends of biodiesel and diesel: Phase behaviour of binary mixtures of alkanes and FAMES. <i>Fuel</i> , 2020 , 262, 116488	7.1	2
630	Unravelling the interactions between biomedical thermoresponsive polymer and biocompatible ionic liquids. <i>Journal of Molecular Liquids</i> , 2020 , 300, 112362	6	7
629	Distinct roles of salt cations and anions upon the salting-out of electro-positive albumin. <i>Journal of Molecular Liquids</i> , 2020 , 301, 112409	6	2
628	Uncovering the potentialities of protic ionic liquids based on alkanolammonium and carboxylate ions and their aqueous solutions as non-derivatizing solvents of Kraft lignin. <i>Industrial Crops and Products</i> , 2020 , 143, 111866	5.9	11

627	Enhanced Conversion of Xylan into Furfural using Acidic Deep Eutectic Solvents with Dual Solvent and Catalyst Behavior. <i>ChemSusChem</i> , 2020 , 13, 784-790	8.3	39
626	Experimental solubility and density studies on aqueous solutions of quaternary ammonium halides, and thermodynamic modelling for melting enthalpy estimations. <i>Journal of Molecular Liquids</i> , 2020 , 300, 112281	6	6
625	Critical aspects of membrane-free aqueous battery based on two immiscible neutral electrolytes. <i>Energy Storage Materials</i> , 2020 , 26, 400-407	19.4	11
624	The Perspective of Cooperative Hydrotrophy on the Solubility in Aqueous Solutions of Cyrene. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 18649-18658	3.9	5
623	Physical properties and solid-liquid equilibria for hexafluorophosphate-based ionic liquid ternary mixtures and their corresponding subsystems. <i>Journal of Molecular Liquids</i> , 2020 , 316, 113742	6	2
622	Using COSMO-RS in the Design of Deep Eutectic Solvents for the Extraction of Antioxidants from Rosemary. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12132-12141	8.3	23
621	Selective Separation of Manganese, Cobalt, and Nickel in a Fully Aqueous System. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12260-12269	8.3	7
620	Protein Cohabitation: Improving the Photochemical Stability of R-Phycoerythrin in the Solid State. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 6249-6255	6.4	9
619	Understanding the Formation of Deep Eutectic Solvents: Betaine as a Universal Hydrogen Bond Acceptor. <i>ChemSusChem</i> , 2020 , 13, 4916-4921	8.3	28
618	Encapsulated Amino-Acid-Based Ionic Liquids for CO ₂ Capture. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 3158-3166	2.3	7
617	Development of a Microfluidic Platform for R-Phycoerythrin Purification Using an Aqueous Micellar Two-Phase System. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 17097-17105	8.3	3
616	The role of carboxyl groups upon the precipitation of albumin at low pH. <i>Journal of Molecular Liquids</i> , 2020 , 319, 114206	6	2
615	Integrated Leaching and Separation of Metals Using Mixtures of Organic Acids and Ionic Liquids. <i>Molecules</i> , 2020 , 25,	4.8	6
614	The influence of zwitterions on the partition of biomolecules in aqueous biphasic systems. <i>Separation and Purification Technology</i> , 2020 , 253, 117537	8.3	2
613	Theoretically consistent calculation of viscous activation parameters through the Eyring equation and their interpretation. <i>Fluid Phase Equilibria</i> , 2020 , 522, 112774	2.5	1
612	. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 15058-15068	3.9	4
611	Unravelling the Interactions between Surface-Active Ionic Liquids and Triblock Copolymers for the Design of Thermal Responsive Systems. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 7046-7058	3.4	6
610	Separation of mandelic acid enantiomers using solid-liquid biphasic systems with chiral ionic liquids. <i>Separation and Purification Technology</i> , 2020 , 252, 117468	8.3	7

609	Using coarse-grained molecular dynamics to rationalize biomolecule solubilization mechanisms in ionic liquid-based colloidal systems. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 24771-24783	3.6	5
608	Solubility Enhancement of Hydrophobic Substances in Water/Cyrene Mixtures: A Computational Study. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 18247-18253	3.9	5
607	Eutectic Mixtures Based on Polyalcohols as Sustainable Solvents: Screening and Characterization. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 15317-15326	8.3	8
606	Towards the differential diagnosis of prostate cancer by the pre-treatment of human urine using ionic liquids. <i>Scientific Reports</i> , 2020 , 10, 14931	4.9	5
605	Investigation of Kraft Lignin Solubility in Protic Ionic Liquids and Their Aqueous Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 18193-18202	3.9	7
604	Use of Ionic Liquids and Deep Eutectic Solvents in Polysaccharides Dissolution and Extraction Processes towards Sustainable Biomass Valorization. <i>Molecules</i> , 2020 , 25,	4.8	38
603	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	2.5	18
602	Aqueous Two-Phase Systems 2020 , 157-182		4
601	Separation of benzene from methylcycloalkanes by extractive distillation with cyano-based ionic liquids: Experimental and CPA EoS modelling. <i>Separation and Purification Technology</i> , 2020 , 234, 116128	8.3	13
600	Study of fame production from waste cooking oil: Operation in batch and continuous regime with regeneration of enzyme catalyst. <i>Energy Reports</i> , 2020 , 6, 751-756	4.6	1
599	Improved coarse-grain model to unravel the phase behavior of 1-alkyl-3-methylimidazolium-based ionic liquids through molecular dynamics simulations. <i>Journal of Colloid and Interface Science</i> , 2020 , 574, 324-336	9.3	18
598	Enhanced Extraction of Levodopa from Mucuna pruriens Seeds Using Aqueous Solutions of Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 6682-6689	8.3	5
597	Application of Ionic Liquids in Separation and Fractionation Processes 2019 , 637-665		1
596	Protic Ionic Liquids as Cell-Disrupting Agents for the Recovery of Intracellular Carotenoids from Yeast <i>Rhodotorula glutinis</i> CCT-2186. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 16765-16776	8.3	23
595	Ion speciation: a key for the understanding of the solution properties of ionic liquid mixtures. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 21626-21632	3.6	5
594	Greener Terpene-Terpene Eutectic Mixtures as Hydrophobic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 17414-17423	8.3	36
593	Sustainable strategies based on glycine-Betaine analogue ionic liquids for the recovery of monoclonal antibodies from cell culture supernatants. <i>Green Chemistry</i> , 2019 , 21, 5671-5682	10	16
592	Toward Modeling the Aromatic/Aliphatic Separation by Extractive Distillation with Tricyanomethanide-Based Ionic Liquids Using CPA EoS. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 19681-19692	3.9	7

591	Synthesis and Characterization of Surface-Active Ionic Liquids Used in the Disruption of Escherichia Coli Cells. <i>ChemPhysChem</i> , 2019 , 20, 727-735	3.2	14
590	Hydrotropy and Cosolvency in Lignin Solubilization with Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 ,	8.3	9
589	Simultaneous Separation of Antioxidants and Carbohydrates From Food Wastes Using Aqueous Biphasic Systems Formed by Cholinium-Derived Ionic Liquids. <i>Frontiers in Chemistry</i> , 2019 , 7, 459	5	8
588	Solvent and temperature effects on the solubility of syringic, vanillic or veratric acids: Experimental, modeling and solid phase studies. <i>Journal of Molecular Liquids</i> , 2019 , 289, 111089	6	16
587	Laccase Activation in Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 11806-8,381449	8.3	14
586	A methodology to parameterize SAFT-type equations of state for solid precursors of deep eutectic solvents: the example of cholinium chloride. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 15046-15061	3.6	17
585	Using COSMO-RS to design choline chloride pharmaceutical eutectic solvents. <i>Fluid Phase Equilibria</i> , 2019 , 497, 71-78	2.5	33
584	Acetonitrile as adjuvant to tune polyethylene glycol + K3PO4 aqueous two-phase systems and its effect on phenolic compounds partition. <i>Separation and Purification Technology</i> , 2019 , 223, 41-48	8.3	15
583	Can cholinium chloride form eutectic solvents with organic chloride-based salts?. <i>Fluid Phase Equilibria</i> , 2019 , 493, 120-126	2.5	9
582	Using Volume Shifts To Improve the Description of Speed of Sound and Other Derivative Properties with Cubic Equations of State. <i>Industrial & Engineering Chemistry Research</i> , 2019 ,	3.9	2
581	Synthesis and characterization of analogues of glycine-betaine ionic liquids and their use in the formation of aqueous biphasic systems. <i>Fluid Phase Equilibria</i> , 2019 , 494, 239-245	2.5	10
580	Integrated Extraction-Preservation Strategies for RNA Using Biobased Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 9439-9448	8.3	10
579	Synthesis and characterization of chiral ionic liquids based on quinine, l-proline and l-valine for enantiomeric recognition. <i>Journal of Molecular Liquids</i> , 2019 , 283, 410-416	6	17
578	Cytotoxicity profiling of deep eutectic solvents to human skin cells. <i>Scientific Reports</i> , 2019 , 9, 3932	4.9	48
577	Mechanisms of phase separation in temperature-responsive acidic aqueous biphasic systems. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 7462-7473	3.6	14
576	R-phycoerythrin extraction and purification from fresh <i>Gracilaria</i> sp. using thermo-responsive systems. <i>Green Chemistry</i> , 2019 , 21, 3816-3826	10	17
575	Impact of water on the [C4C1im][Ac] ability for the CO2/CH4 separation. <i>Journal of CO2 Utilization</i> , 2019 , 31, 115-123	7.6	6
574	Revisiting the methodology for asphaltenes precipitation. <i>Journal of Petroleum Science and Engineering</i> , 2019 , 178, 778-786	4.4	12

573	Integration of aqueous (micellar) two-phase systems on the proteins separation. <i>BMC Chemical Engineering</i> , 2019 , 1,	3.5	8
572	Insights into the Nature of Eutectic and Deep Eutectic Mixtures. <i>Journal of Solution Chemistry</i> , 2019 , 48, 962-982	1.8	287
571	CO ₂ influence on asphaltene precipitation. <i>Journal of Supercritical Fluids</i> , 2019 , 143, 24-31	4.2	13
570	Rationalizing the Phase Behavior of Triblock Copolymers through Experiments and Molecular Simulations. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 21224-21236	3.8	19
569	Use of Ionic Liquids as Cosurfactants in Mixed Aqueous Micellar Two-Phase Systems to Improve the Simultaneous Separation of Immunoglobulin G and Human Serum Albumin from Expired Human Plasma. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 15102-15113	8.3	15
568	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	5.8	123
567	Recovery of Syringic Acid from Industrial Food Waste with Aqueous Solutions of Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 14143-14152	8.3	11
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