Bobo Cao

List of Publications by Year
in descending order

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21 papers	489 citations	623734 14 h-index	713466 21 g-index
21 all docs	21 docs citations	21 times ranked	565 citing authors

#	Article	IF	Citations
1	Transition Mechanism from Nonlamellar to Well-Ordered Lamellar Phases: Is the Lamellar Liquid-Crystal Phase a Must?. Journal of Physical Chemistry Letters, 2021, 12, 4484-4489.	4.6	9
2	The distinct effects of two imidazolium-based ionic liquids, [C₄mim][OAc] and [C₆mim][OAc], on the phase behaviours of DPPC. Physical Chemistry Chemical Physics, 2021, 23, 17888-17893.	2.8	17
3	Structural Properties and Hydrogen-Bonding Interactions in Binary Mixtures Containing a Deep-Eutectic Solvent and Acetonitrile. Journal of Physical Chemistry B, 2020, 124, 1229-1239.	2.6	36
4	Influence of Hydration on the Structure and Interactions of Ethaline Deepâ€Eutectic Solvent: A Spectroscopic and Computational Study. ChemPhysChem, 2020, 21, 995-1005.	2.1	30
5	Effect of Imidazolium-Based Ionic Liquids on the Structure and Phase Behavior of Palmitoyl-oleoyl-phosphatidylethanolamine. Journal of Physical Chemistry B, 2019, 123, 5474-5482.	2.6	21
6	Fluorinated graphene as an anticancer nanocarrier: an experimental and DFT study. Journal of Materials Chemistry B, 2018, 6, 2769-2777.	5.8	38
7	Low Temperature Electrochemical Deposition of Aluminum in Organic Bases/Thiourea-Based Deep Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2018, 6, 15480-15486.	6.7	18
8	Reversibility of imido-based ionic liquids: a theoretical and experimental study. RSC Advances, 2017, 7, 11259-11270.	3.6	6
9	DFT study on the dissolution mechanisms of Î±-cyclodextrin and chitobiose in ionic liquid. Carbohydrate Polymers, 2017, 169, 227-235.	10.2	35
10	Green synthesis of 1-phenyl-1-ortho-xylene ethane in IL and reaction mechanism. RSC Advances, 2017, 7, 14998-15004.	3.6	2
11	Theoretical study on the alkylation of o -xylene with styrene in AlCl 3 -ionic liquid catalytic system. Journal of Molecular Graphics and Modelling, 2017, 74, 8-15.	2.4	13
12	Cellobiose as a model system to reveal cellulose dissolution mechanism in acetate-based ionic liquids: Density functional theory study substantiated by NMR spectra. Carbohydrate Polymers, 2016, 149, 348-356.	10.2	42
13	Theoretical and experimental investigation on the capture of H 2 S in a series of ionic liquids. Journal of Molecular Graphics and Modelling, 2016, 68, 87-94.	2.4	9
14	Preparation and Properties of Câ•X (X: O, N, S) Based Distillable Ionic Liquids and Their Application for Rare Earth Separation. ACS Sustainable Chemistry and Engineering, 2016, 4, 6258-6262.	6.7	24
15	Thermal reaction of the ionic liquid 1,2-dimethyl-(3-aminoethyl) imidazolium tetrafluoroborate: a kinetic and theoretical study. Journal of Molecular Modeling, 2016, 22, 138.	1.8	6
16	Theoretical and experimental studies on proton transfer in acetate-based protic ionic liquids. Journal of Molecular Liquids, 2016, 221, 254-261.	4.9	20
17	Heterogeneous Nb-containing catalyst/N,N-dimethylacetamideâ€“salt mixtures: novel and efficient catalytic systems for the dehydration of fructose. RSC Advances, 2016, 6, 64338-64343.	3.6	13
18	Carbon dioxide capture by amino-functionalized ionic liquids: DFT based theoretical analysis substantiated by FT-IR investigation. RSC Advances, 2016, 6, 10462-10470.	3.6	49

#	Article	IF	Citations
19	A DFT study on the absorption mechanism of vinyl chloride by ionic liquids. Journal of Molecular Liquids, 2016, 215, 496-502.	4.9	18
20	Highly efficient I₂ capture by simple and low-cost deep eutectic solvents. Green Chemistry, 2016, 18, 2522-2527.	9.0	56
21	Experiment and DFT studies on radioiodine removal and storage mechanism by imidazolium-based ionic liquid. Journal of Molecular Graphics and Modelling, 2016, 64, 51-59.	2.4	27