Payam Kalhor

List of Publications by Year
in descending order

13 papers	346 citations	1040056 9 h-index	1125743 13 g-index
13 all docs	13 docs citations	13 times ranked	375 citing authors

#	Article	IF	Citations
1	Deep Eutectic Solvents for Pretreatment, Extraction, and Catalysis of Biomass and Food Waste. Molecules, 2019, 24, 4012.	3.8	164
2	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
3	Deep Eutectic Solvents as Catalysts for Upgrading Biomass. Catalysts, 2021, 11, 178.	3.5	32
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	Local Acid Strength of Solutions and Its Quantitative Evaluation Using Excess Infrared Nitrile Probes. Journal of Physical Chemistry Letters, 2020, 11, 1007-1012.	4.6	18
6	Is the Fourier Transform Infrared Free-OH Band of t-Butanol Only from Free OHs? Case Studies on the Binary Systems of the Alcohol with CCl₄ and CHCl₃. Journal of Physical Chemistry A, 2020, 124, 6177-6185.	2.5	17
7	The structural properties of a ZnCl₂â€“ethylene glycol binary system and the peculiarities at the eutectic composition. Physical Chemistry Chemical Physics, 2021, 23, 13136-13147.	2.8	15
8	The Structures of ZnCl2-Ethanol Mixtures, a Spectroscopic and Quantum Chemical Calculation Study. Molecules, 2021, 26, 2498.	3.8	12
9	Structural and hydrogen-bonding properties of neat t-BuNH2 and its binary mixtures with CCl4, CHCl3 and DMSO. Journal of Molecular Structure, 2020, 1215, 128257.	3.6	10
10	Potassium carbonate-based ternary transition temperature mixture (deep eutectic analogues) for CO2 absorption: Characterizations and DFT analysis. Frontiers of Environmental Science and Engineering, 2022, 16, 1.	6.0	5
11	Quantum chemical calculations on dissolution of dimethylformamide in ethaline. Journal of Molecular Graphics and Modelling, 2021, 107, 107966.	2.4	3
12	Quantitative Structure-Property Relationship Study to Predict the Retention Times of Some Volatile Compounds in RosÃ© Wines. Analytical Chemistry Letters, 2016, 6, 371-383.	1.0	2
13	Extensive numerical tests of leapfrog integrator in middle thermostat scheme in molecular simulations. Chinese Journal of Chemical Physics, 2021, 34, 932-948.	1.3	2