

Payam Kalhor

List of Publications by Year in descending order

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papers

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1040056

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Potassium carbonate-based ternary transition temperature mixture (deep eutectic analogues) for CO ₂ absorption: Characterizations and DFT analysis. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, 1.	6.0	5
2	Deep Eutectic Solvents as Catalysts for Upgrading Biomass. <i>Catalysts</i> , 2021, 11, 178.	3.5	32
3	The Structures of ZnCl ₂ -Ethanol Mixtures, a Spectroscopic and Quantum Chemical Calculation Study. <i>Molecules</i> , 2021, 26, 2498.	3.8	12
4	Quantum chemical calculations on dissolution of dimethylformamide in ethaline. <i>Journal of Molecular Graphics and Modelling</i> , 2021, 107, 107966.	2.4	3
5	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.	2.8	15
6	Extensive numerical tests of leapfrog integrator in middle thermostat scheme in molecular simulations. <i>Chinese Journal of Chemical Physics</i> , 2021, 34, 932-948.	1.3	2
7	Is the Fourier Transform Infrared Free-OH Band of <i>n</i> -Butanol Only from Free OHs? Case Studies on the Binary Systems of the Alcohol with CCl ₄ and CHCl ₃ . <i>Journal of Physical Chemistry A</i> , 2020, 124, 6177-6185.	2.5	17
8	Local Acid Strength of Solutions and Its Quantitative Evaluation Using Excess Infrared Nitrile Probes. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1007-1012.	4.6	18
9	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.	2.6	36
10	Influence of Hydration on the Structure and Interactions of Ethaline Deep Eutectic Solvent: A Spectroscopic and Computational Study. <i>ChemPhysChem</i> , 2020, 21, 995-1005.	2.1	30
11	Structural and hydrogen-bonding properties of neat t-BuNH ₂ and its binary mixtures with CCl ₄ , CHCl ₃ and DMSO. <i>Journal of Molecular Structure</i> , 2020, 1215, 128257.	3.6	10
12	Deep Eutectic Solvents for Pretreatment, Extraction, and Catalysis of Biomass and Food Waste. <i>Molecules</i> , 2019, 24, 4012.	3.8	164
13	Quantitative Structure-Property Relationship Study to Predict the Retention Times of Some Volatile Compounds in Rosé Wines. <i>Analytical Chemistry Letters</i> , 2016, 6, 371-383.	1.0	2