

# Hosein Ghaedi

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

967  
citations

430442

18  
h-index

552369

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

823  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	CO <sub>2</sub> capture with the help of Phosphonium-based deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2017, 243, 564-571.	2.3	101
3	Thermal stability and FT-IR analysis of Phosphonium-based deep eutectic solvents with different hydrogen bond donors. <i>Journal of Molecular Liquids</i> , 2017, 242, 395-403.	2.3	100
4	Measurement and correlation of physicochemical properties of phosphonium-based deep eutectic solvents at several temperatures (293.15 K–343.15 K) for CO <sub>2</sub> capture. <i>Journal of Chemical Thermodynamics</i> , 2017, 113, 41-51.	1.0	70
5	Thermal stability analysis, experimental conductivity and pH of phosphonium-based deep eutectic solvents and their prediction by a new empirical equation. <i>Journal of Chemical Thermodynamics</i> , 2018, 116, 50-60.	1.0	57
6	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
7	Assessment of Polyacrylamide Based Co-Polymers Enhanced by Functional Group Modifications with Regards to Salinity and Hardness. <i>Polymers</i> , 2017, 9, 647.	2.0	40
8	Investigation of various process parameters on the solubility of carbon dioxide in phosphonium-based deep eutectic solvents and their aqueous mixtures: Experimental and modeling. <i>International Journal of Greenhouse Gas Control</i> , 2017, 66, 147-158.	2.3	38
9	Effective Pretreatment of Heavy Metal-Contaminated Biomass Using a Low-Cost Ionic Liquid (Triethylammonium Hydrogen Sulfate): Optimization by Response Surface Methodology and Box Behnken Design. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11571-11581.	3.2	38
10	Density and refractive index measurements of transition-temperature mixture (deep eutectic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 of <i>Journal of Chemical Thermodynamics</i> , 2018, 118, 147-158.	1.0	37
11	High-pressure absorption study of CO <sub>2</sub> in aqueous N -methyldiethanolamine (MDEA) and MDEA-piperazine (PZ)-1-butyl-3-methylimidazolium trifluoromethanesulfonate [bmim][OTf] hybrid solvents. <i>Journal of Molecular Liquids</i> , 2018, 249, 1236-1244.	2.3	36
12	Recycling waste-derived marble powder for CO <sub>2</sub> capture. <i>Chemical Engineering Research and Design</i> , 2019, 132, 214-225.	2.7	33
13	Experimental and correlation of viscosity and refractive index of non-aqueous system of diethanolamine (DEA) and dimethylformamide (DMF) for CO <sub>2</sub> capture. <i>Journal of Molecular Liquids</i> , 2018, 250, 162-170.	2.3	32
14	Co-pyrolysis of microalgae and municipal solid waste: A thermogravimetric study to discern synergy during co-pyrolysis process. <i>Journal of the Energy Institute</i> , 2021, 94, 29-38.	2.7	30
15	Review on Template Removal Techniques for Synthesis of Mesoporous Silica Materials. <i>Energy &amp; Fuels</i> , 2022, 36, 2424-2446.	2.5	29
16	Remediation of pyrene contaminated soil by double dielectric barrier discharge plasma technology: Performance optimization and evaluation. <i>Environmental Pollution</i> , 2020, 260, 113944.	3.7	27
17	Removal of xylene vapor pollutant from the air using new hybrid substrates of TiO <sub>2</sub> -WO <sub>3</sub> nanoparticles immobilized on the ZSM-5 zeolite under UV radiation at ambient temperature: Experimental towards modeling. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103247.	3.3	25
18	Experimental and prediction of volumetric properties of aqueous solution of (allyltriphenylphosphonium bromide–Triethylene glycol) deep eutectic solvents. <i>Thermochimica Acta</i> , 2017, 657, 123-133.	1.2	24

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19	Volumetric properties of non-aqueous binary mixture of diethanolamine (DEA) and dimethylformamide (DMF). <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 6390-6398.	3.3	18
20	A New Empirical Model for Viscosity of Sulfonated Polyacrylamide Polymers. <i>Polymers</i> , 2019, 11, 1046.	2.0	18
21	Effect of Aging, Antioxidant, and Mono- and Divalent Ions at High Temperature on the Rheology of New Polyacrylamide-Based Co-Polymers. <i>Polymers</i> , 2017, 9, 480.	2.0	15
22	High CO <sub>2</sub> 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
23	Preparation and characterization of amine (N-methyl diethanolamine)-based transition temperature mixtures (deep eutectic analogues solvents). <i>Journal of Chemical Thermodynamics</i> , 2019, 137, 108-118.	1.0	13
24	The effects of salt, particle and pore size on the process of carbon dioxide hydrate formation: A critical review. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	9
25	Excess Properties of and Simultaneous Effects of Important Parameters on CO <sub>2</sub> Solubility in Binary Mixture of Water-Phosphonium Based-Deep Eutectic Solvents: Response Surface Methodology (RSM) and Taguchi Method. <i>Energy &amp; Fuels</i> , 2022, 36, 1960-1972.	2.5	7
26	Potassium carbonate-based ternary transition temperature mixture (deep eutectic analogues) for CO <sub>2</sub> absorption: Characterizations and DFT analysis. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, 1.	3.3	5
27	Prioritizing Design Parameters for Stepped Chutes and Shear Stress Distribution. <i>Water (Switzerland)</i> , 2021, 13, 1155.	1.2	0