Abbas Mehrdad

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2960550/publications.pdf

Version: 2024-02-01

65 papers	813 citations	471509 17 h-index	580821 25 g-index
65 all docs	65 docs citations	65 times ranked	691 citing authors

#	Article	IF	Citations
1	Investigation of salt effect of some inorganic salts and ionic liquids for ibuprofen in aqueous solutions of 1-propanol: volumetric, acoustic and viscometric studies. Journal of Molecular Liquids, 2022, 352, 118744.	4.9	1
2	Thermodynamic study on carbon dioxide absorption in vinyl imidazoliumâ€“amino acid ionic liquids. Fluid Phase Equilibria, 2022, 557, 113433.	2.5	11
3	Cholinium-amino acid ionic liquids as biocompatible agents for carbon dioxide absorption. Journal of Molecular Liquids, 2022, 357, 119078.	4.9	20
4	Carbon dioxide adsorption onto modified polyvinyl chloride with ionic liquid. Journal of Polymer Engineering, 2022, 42, 498-506.	1.4	0
5	Solubility of carbon dioxide in some imidazolium and pyridinium-based ionic liquids and correlation with NRTL model. Australian Journal of Chemistry, 2022, , .	0.9	1
6	Experimental and theoretical study of CO2 sorption in biocompatible and biodegradable cholinium-based ionic liquids. Separation and Purification Technology, 2021, 254, 117609.	7.9	24
7	Soluteâ€“solvent interactions of ibuprofen in the aqueous solutions of 1â€“propanol: Volumetric, acoustic and viscometric study. Journal of Molecular Liquids, 2021, 323, 115056.	4.9	5
8	TiO2/AgBr Modified with PANI and RGO as a Visible Light-Driven Photocatalyst with Considerably Enhanced Photocatalytic Activity. Journal of Materials Science: Materials in Electronics, 2021, 32, 1323-1338.	2.2	2
9	Effect of anion on CO2 capture in PVCâ€“gâ€“P[VBIm][X] ionomers: experimental and density functional theory studies. Journal of Polymer Research, 2021, 28, 1.	2.4	3
10	CO2 adsorption onto 1-butyl-3-vinylimidazolium based poly(ionic liquid)s: experimental and theoretical studies. Journal of Polymer Research, 2021, 28, 1.	2.4	6
11	CO2 absorption in amino acid-based ionic liquids: Experimental and theoretical studies. Fluid Phase Equilibria, 2021, 547, 113185.	2.5	26
12	Conductometric investigation of ceftriaxone disodium in aqueous solutions of 1-propanol and 2-propanol. Journal of Chemical Thermodynamics, 2020, 142, 105972.	2.0	6
13	CO2 solubility in some amino acid-based ionic liquids: Measurement, correlation and DFT studies. Fluid Phase Equilibria, 2020, 517, 112591.	2.5	29
14	Thermodynamic study on carbon dioxide and methane permeability in polyvinylchloride/ionic liquid blends. Journal of Chemical Thermodynamics, 2020, 145, 106094.	2.0	11
15	Erratum to â€œPermeability behavior of polyvinyl chloride-ionic liquid ionomer for CO2/CH4 separation [Sep. Purif. Technol. 226 (2019) 138â€“145]â€• Separation and Purification Technology, 2020, 245, 116885.	7.9	0
16	Measurement and correlation on solubility of acetaminophen in aqueous solutions of 1-octyl-3-methyl imidazolium bromide, 1-butyl-4-methyl pyridinium bromide and 1-octyl-4-methyl pyridinium bromide. Journal of Chemical Thermodynamics, 2020, 144, 106072.	2.0	4
17	Study of CO2 adsorption onto poly(1â€“vinylimidazole) using quartz crystal microbalance and density functional theory methods. Journal of Molecular Liquids, 2019, 291, 111288.	4.9	19
18	Viscometric behavior of hydroxyethyl cellulose in aqueous solutions of some imidazolium ionic liquids. Cellulose, 2019, 26, 7685-7693.	4.9	3

#	Article	IF	Citations
19	Adsorption, permeation, and DFT studies of PVC/PVIm blends for separation of CO2/CH4. Journal of Molecular Liquids, 2019, 292, 111410.	4.9	16
20	Volumetric, acoustic and viscometric investigation of ceftriaxone disodium in aqueous solutions of 1-propanol and 2-propanol. Journal of Chemical Thermodynamics, 2019, 139, 105880.	2.0	8
21	Effect of ionic liquids, 1-alkyl-4-methylpyridinium bromides on the volumetric, acoustic and viscometric behaviour of aqueous ceftriaxone sodium solutions. Journal of Chemical Thermodynamics, 2019, 138, 262-271.	2.0	6
22	Miscibility behavior of hydroxyethyl cellulose/poly(vinyl pyrrolidone) blends in the presence of some imidazolium based ionic liquids. Journal of Molecular Liquids, 2019, 296, 111844.	4.9	5
23	Permeability behavior of polyvinyl chloride-ionic liquid ionomer for CO2/CH4 separation. Separation and Purification Technology, 2019, 226, 138-145.	7.9	17
24	Spectroscopic and density functional theory study on the interactions between 1-alkyl-3-methylimidazolium bromide ionic liquids with polyethylene glycol. Journal of Chemical Thermodynamics, 2019, 132, 38-43.	2.0	8
25	Interactions of sodium polystyrene sulfonate with 4-methylpyridinium based ionic liquids in aqueous solution: Viscometry, conductometry, UVâ€“Vis spectroscopy and density functional theory studies. Journal of Chemical Thermodynamics, 2019, 131, 503-516.	2.0	7
26	Density, speed of sound, viscosity, and conductivity of lactic acid in the aqueous solutions of polyethylene glycol at different temperatures. Journal of Molecular Liquids, 2018, 255, 454-461.	4.9	18
27	Interactions of sodium polystyrene sulfonate with 1-hexyl-3-methylimidazolium bromide in aqueous solution: conductometry and density functional theory studies. Physics and Chemistry of Liquids, 2018, 56, 544-560.	1.2	0
28	Dissociation Behavior of l(+)-Lactic Acid in Aqueous Solutions of (1-Alkyl-4-methylpyridinium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	1.2	1
29	Influence of 1â€“alkylâ€“3â€“methylimidazolium based ionic liquids on the thermodynamic and transport properties of L(+)â€“lactic acid in aqueous solutions of polyethylene glycol. Fluid Phase Equilibria, 2017, 440, 77-86.	2.5	5
30	Interactions of Sodium Polystyrene Sulfonate with 1-Octyl-3-methylimidazolium Bromide in Aqueous Solution: Conductometric, Spectroscopic and Density Functional Theory Studies. Journal of Solution Chemistry, 2017, 46, 908-930.	1.2	5
31	Interactions of sodium polystyrene sulfonate with some imidazolium-based ionic liquids in aqueous solutions. Journal of Molecular Liquids, 2017, 240, 115-120.	4.9	17
32	Effect of 1â€“butylâ€“4â€“methylpyridinium and 1â€“butylâ€“3â€“methylimidazolium halide ionic liquids on the interactions of lactic acid in the aqueous solutions of polyethylene glycol. Journal of Chemical Thermodynamics, 2017, 112, 188-195.	2.0	13
33	Solubility and thermodynamic properties of acetaminophen in 1-hexyl-4-methylpyridinium bromide and water mixtures. Physics and Chemistry of Liquids, 2017, 55, 682-695.	1.2	8
34	Conductometry and Density Functional Theory studies on the interactions of sodium polystyrenesulfonate with 1â€“butylâ€“3â€“methylimidazolium bromide in aqueous solution. Journal of Molecular Liquids, 2017, 243, 324-332.	4.9	4
35	Conductivity and dissociation behavior of l (+)-lactic acid in the aqueous solutions of (1-butyl-4-methylpyridinium halide, 1-butyl-3-methylimidazolium halide + polyethylene glycol) at different temperatures. Journal of Molecular Liquids, 2017, 242, 884-891.	4.9	2
36	Effect of some imidazolium based ionic liquids on the electrical conductivity of L(+)â€'lactic acid in aqueous solutions of poly(ethylene glycol). Fluid Phase Equilibria, 2017, 451, 1-11.	2.5	6

#	Article	IF	Citations
37	Density, Speed of Sound, and Viscosity of Aqueous Solutions Containing 1-Alkyl-4-methylpyridinium Bromide, Lactic Acid, and Polyethylene Glycol. Journal of Chemical & Engineering Data, 2017, 62, 2021-2029.	1.9	6
38	Aqueous solubility of acetaminophen in the presence of 1-hexyl-3-methyl imidazolium bromide, ionic liquid as co-solvent. Fluid Phase Equilibria, 2016, 425, 51-56.	2.5	20
39	Investigation of interaction between polyethylene oxide and ionic liquid 1-octyl-3-methyl-imidazolium bromide in aqueous solutions by spectroscopic and viscometric methods. Journal of Molecular Liquids, 2016, 223, 100-106.	4.9	5
40	Influence of some inorganic salts on the intrinsic viscosity of poly(acrylic acid) in aqueous solutions. Journal of Molecular Liquids, 2016, 223, 699-706.	4.9	9
41	Influence of 1-butyl-3-methyl imidazolium bromide, ionic liquid as co-solvent on aqueous solubility of acetaminophen. Journal of Molecular Liquids, 2016, 221, 1162-1167.	4.9	28
42	Interaction between polyethylene oxide and ionic liquid 1-hexyl-3-methyl-imidazolium bromide: Spectroscopic and viscometric methods. Journal of Molecular Liquids, 2016, 216, 12-17.	4.9	5
43	Investigation on the Interactions of Poly(ethylene oxide) and Ionic Liquid 1-Butyl-3-methyl-imidazolium Bromide by Viscosity and Spectroscopy. Journal of Chemical & Engineering Data, 2016, 61, 1700-1709.	1.9	20
44	Solution thermodynamics and preferential solvation of 3-chloro-N-phenyl-phthalimide in acetone + methanol mixtures. Revista Colombiana De Ciencias QuÃmico FarmacÃ©uticas, 2016, 45, 256.	0.1	5
45	Spectroscopic and viscometric studies on the interaction of ionic liquid, 1-butyl-3-methylimidazolium bromide with polyvinyl pyrrolidone. Fluid Phase Equilibria, 2015, 391, 72-77.	2.5	17
46	Viscometric studies of interactions between ionic liquid 1-octyl-3-methyl-imidazolium bromide and polyvinyl pyrrolidone in aqueous solutions. Journal of Chemical Thermodynamics, 2014, 79, 1-7.	2.0	19
47	Effect of ionic liquid on the intrinsic viscosity of polyvinyl pyrrolidone in aqueous solutions. Fluid Phase Equilibria, 2013, 353, 69-75.	2.5	11
48	Effect of temperature and hydrochloric acid on the intrinsic viscosity of poly(acrylic acid) in aqueous solutions. Journal of Molecular Liquids, 2013, 187, 177-182.	4.9	6
49	Thermodynamic Study of Poly(vinyl pyrrolidone) in Water/Dimethyl Sulfoxide Solutions by Viscometry. Journal of Solution Chemistry, 2012, 41, 766-776.	1.2	1
50	Effect of Temperature and Solvent Composition on the Intrinsic Viscosity of Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td Engineering Data, 2011, 56, 3029-3037.	1.9	13
51	Thermodynamic Study of Poly(ethylene glycol) in Water/1-Propanol Solutions by Viscometry. Journal of Solution Chemistry, 2011, 40, 832-842.	1.2	6
52	Ultrasonic degradation of polyvinyl pyrrolidone in mixed water/acetone. Journal of Applied Polymer Science, 2011, 120, 3701-3708.	2.6	9
53	Kinetic study of degradation of Rhodamine B in the presence of hydrogen peroxide and some metal oxide. Chemical Engineering Journal, 2011, 168, 1073-1078.	12.7	41
54	Effect of temperature on the intrinsic viscosity of poly(ethylene glycol) in water/dimethyl sulfoxide solutions. Journal of Molecular Liquids, 2011, 161, 153-157.	4.9	7

#	Article	IF	Citations
55	Thermodynamic study of poly(ethylene glycol) in water/acetone solutions by viscometry. Journal of Polymer Engineering, 2011, 31, .	1.4	4
56	Effect of Temperature and Solvent Composition on the Intrinsic Viscosity of Poly(vinyl pyrrolidone) in Waterâ˜'Ethanol Solutions. Journal of Chemical & Engineering Data, 2010, 55, 3720-3724.	1.9	10
57	Viscometric and volumetric study of dilute aqueous solutions of binary and ternary poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 57-60.	4.9	12
58	Ultrasonic degradation of Rhodamine B in the presence of hydrogen peroxide and some metal oxide. Ultrasonics Sonochemistry, 2010, 17, 168-172.	8.2	72
59	Effect of Temperature and Solvent Composition on the Intrinsic Viscosity of Poly(ethylene glycol) in Waterâ˜'Ethanol Solutions. Journal of Chemical & Engineering Data, 2010, 55, 2537-2541.	1.9	19
60	Effect of temperature on the intrinsic viscosity of poly(ethylene glycol)/poly(vinyl pyrrolidone) blends in aqueous solutions. Fluid Phase Equilibria, 2009, 284, 137-143.	2.5	15
61	Effect of temperature and concentration of H3O+ ions on the intrinsic viscosity of poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock	2.5	12
62	Ultrasonic degradation of solutions of poly(vinyl acetate) in tetrahydrofuran. Journal of Applied Polymer Science, 2005, 96, 2373-2376.	2.6	6
63	Ultrasonic degradation of solutions of poly(vinyl acetate) in dioxan: The effects of the temperature and polymer concentration. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 445-451.	2.1	14
64	Calculation of the rate constant for the ultrasonic degradation of aqueous solutions of polyvinyl alcohol by viscometry. Ultrasonics Sonochemistry, 2003, 10, 309-313.	8.2	71
65	Measurement and Correlation of Density for PEG + H2O + NaHSO4, NaH2PO4, and Na2HPO4at Three Temperatures. Journal of Chemical & Engineering Data, 2000, 45, 386-390.	1.9	33