Estrella Alvarez

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8932054/publications.pdf

Version: 2024-02-01

49 papers	2,428 citations	331670 21 h-index	233421 45 g-index
50 all docs	50 docs citations	50 times ranked	2613 citing authors

#	Article	IF	Citations
1	Surface Tension of Alcohol Water + Water from 20 to 50 .degree.C. Journal of Chemical & Engineering Data, 1995, 40, 611-614.	1.9	968
2	Surface Tension of Binary Mixtures of Water + Monoethanolamine and Water + 2-Amino-2-methyl-1-propanol and Tertiary Mixtures of These Amines with Water from 25 Â°C to 50 Â°C. Journal of Chemical & Engineering Data, 1997, 42, 57-59.	1.9	182
3	Surface Tension of Organic Acids + Water Binary Mixtures from 20 Â°C to 50 Â°C. Journal of Chemical & Engineering Data, 1997, 42, 957-960.	1.9	112
4	Density, Viscosity, Excess Molar Volume, and Viscosity Deviation of Three Amyl Alcohols + Ethanol Binary Mixtures from 293.15 to 323.15 K. Journal of Chemical & Engineering Data, 2006, 51, 940-945.	1.9	88
5	Surface Tension of Aqueous Solutions of Diethanolamine and Triethanolamine from 25 Â°C to 50 Â°C. Journal of Chemical & Engineering Data, 1996, 41, 806-808.	1.9	86
6	Surface Tension of Binary Mixtures of Water +N-Methyldiethanolamine and Ternary Mixtures of This Amine and Water with Monoethanolamine, Diethanolamine, and 2-Amino-2-methyl-1-propanol from 25 to 50 Â°C. Journal of Chemical & Engineering Data, 1998, 43, 1027-1029.	1.9	81
7	Densities and Viscosities of Aqueous Ternary Mixtures of 2-(Methylamino)ethanol and 2-(Ethylamino)ethanol with Diethanolamine, Triethanolamine, N-Methyldiethanolamine, or 2-Amino-1-methyl-1-propanol from 298.15 to 323.15 K. Journal of Chemical & Engineering Data, 2006, 51, 955-962.	1.9	70
8	Mass Transfer and Influence of Physical Properties of Solutions in a Bubble Column. Chemical Engineering Research and Design, 2000, 78, 889-893.	5.6	64
9	Effects of temperature and concentration on carboxymethylcellulose with sucrose rheology. Journal of Food Engineering, 2005, 71, 419-424.	5.2	64
10	Surface Tension of Aqueous Binary Mixtures of 1-Amino-2-Propanol and 3-Amino-1-Propanol, and Aqueous Ternary Mixtures of These Amines with Diethanolamine, Triethanolamine, and 2-Amino-2-methyl-1-propanol from (298.15 to 323.15) K. Journal of Chemical & Engineering Data, 2003, 48, 32-35.	1.9	61
11	Rheological properties of fruit purees: Effect of cooking. Journal of Food Engineering, 2007, 80, 763-769.	5.2	56
12	Density, Speed of Sound, Isentropic Compressibility, and Excess Volume of Binary Mixtures of 1-Amino-2-propanol or 3-Amino-1-propanol with 2-Amino-2-methyl-1-propanol, Diethanolamine, or Triethanolamine from (293.15 to 323.15) K. Journal of Chemical & Engineering Data, 2010, 55, 2567-2575.	1.9	45
13	Effect of temperature on carbon dioxide absorption in monoethanolamine solutions. Chemical Engineering Journal, 2008, 138, 295-300.	12.7	43
14	Density, Speed of Sound, Isentropic Compressibility, and Excess Volume of (Monoethanolamine +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Engineering Data, 2010, 55, 994-999.	1.9	40
15	CO2 absorption into N-methyldiethanolamine aqueous-organic solvents. Chemical Engineering Journal, 2016, 283, 1069-1080.	12.7	35
16	Effect of bubble contamination on gasâ€“liquid mass transfer coefficient on CO2 absorption in amine solutions. Chemical Engineering Journal, 2008, 137, 422-427.	12.7	32
17	Effect of Temperature on Rheological Properties of Different Jams. International Journal of Food Properties, 2006, 9, 135-146.	3.0	30
18	Density and Speed of Sound of Binary Mixtures of N-Methyldiethanolamine and Triethanolamine with Ethanol. Journal of Chemical & Engineering Data, 2007, 52, 2059-2061.	1.9	28

#	Article	IF	Citations
19	Effect of the Temperature on the Conductivity of Sodium Bis(2-ethylhexyl)sulfosuccinate + 2,2,4-Trimethylpentane + Water Microemulsions in the Presence of Ureas and Thioureas. Journal of Chemical & Engineering Data, 1998, 43, 123-127.	1.9	26
20	Density and Viscosity of Aqueous Solutions of Sodium Dithionite, Sodium Hydroxide, Sodium Dithionite + Sucrose, and Sodium Dithionite + Sodium Hydroxide + Sucrose from 25 Â°C to 40 Â°C. Journal of Chemical & Engineering Data, 1996, 41, 244-248.	1.9	23
21	Design of a Combined Mixing Rule for the Prediction of Vaporâ“Liquid Equilibria Using Neural Networks. Industrial & Engineering Chemistry Research, 1999, 38, 1706-1711.	3.7	23
22	Densities and Viscosities of Aqueous Solutions of Pyrrolidine and Piperidine from (20 to 50) Â°C. Journal of Chemical & Engineering Data, 2005, 50, 1829-1832.	1.9	21
23	Drop-in performance of the low-GWP alternative refrigerants R452B and R454B in an R410A liquid-to-water heat pump. Applied Thermal Engineering, 2021, 182, 116049.	6.0	21
24	Surface Tension of Binary Mixtures of N-Methyldiethanolamine and Triethanolamine with Ethanol. Journal of Chemical & Engineering Data, 2008, 53, 874-876.	1.9	20
25	Surface Tension of Aqueous Binary Mixtures of 2-(Methylamino)ethanol and 2-(Ethylamino)ethanol and Aqueous Ternary Mixtures of These Amines with Triethanolamine or N-Methyldiethanolamine from (293.15 to 323.15) K. Journal of Chemical & Engineering Data, 2008, 53, 318-321.	1.9	20
26	Surface Tensions of Three Amyl Alcohol + Ethanol Binary Mixtures from (293.15 to 323.15) K. Journal of Chemical & Engineering Data, 2011, 56, 4235-4238.	1.9	20
27	Density, Viscosity, and Surface Tension of Aqueous Solutions of Sodium Sulfite and Sodium Sulfite + Sucrose from 25 to 40 .degree.C. Journal of Chemical & Engineering Data, 1995, 40, 1101-1105.	1.9	17
28	Model based in neural networks for the prediction of the mass transfer coefficients in bubble columns. Study in Newtonian and non-Newtonianian fluids. International Communications in Heat and Mass Transfer, 2000, 27, 93-98.	5.6	17
29	Influence of the refrigerant charge in an R407C liquid-to-water heat pump for space heating and domestic hot water production. International Journal of Refrigeration, 2020, 110, 28-37.	3.4	17
30	Density, Viscosity, and Surface Tension of Sodium Carbonate + Sodium Bicarbonate Buffer Solutions in the Presence of Glycerine, Glucose, and Sucrose from 25 to 40 Â°C. Journal of Chemical & Engineering Data, 1998, 43, 128-132.	1.9	15
31	Effects of Temperature on the Conductivity of Microemulsions:Â Influence of Sodium Hydroxide and Hydrochloric Acid. Journal of Chemical & Engineering Data, 1999, 44, 846-849.	1.9	12
32	Rheological Characterization of Commercial Baby Fruit Purees. International Journal of Food Properties, 2008, 11, 321-329.	3.0	11
33	Fuzzy logic control for the isomerized hop pellets production. Journal of Food Engineering, 1999, 39, 145-150.	5.2	10
34	Rheological Behavior of Powdered Baby Foods. International Journal of Food Properties, 2005, 8, 79-88.	3.0	9
35	Effect of Temperature on the Electrical Conductivity of Sodium Bis(2-ethylhexyl)sulfosuccinate + 2,2,4-Trimethylpentane + Water Microemulsions. Influence of Alkylamines. Journal of Chemical & Engineering Data, 1999, 44, 1286-1290.	1.9	7
36	Conductivity of Sodium Bis(2-ethylhexyl)sulfosuccinate/Isooctane/Water Microemulsions Containing Phase-Transfer Catalysts. Journal of Chemical & Engineering Data, 2000, 45, 428-432.	1.9	7

#	Article	IF	Citations
37	Conductivity of Sodium Bis(2-ethylhexyl)sulfosuccinate/Isooctane/Water Microemulsions Containing Phase-Transfer Catalysts. 2â€. Journal of Chemical & Engineering Data, 2001, 46, 526-534.	1.9	7
38	Performance analysis of a R407C liquid-to-water heat pump: Effect of a liquidâ€“vapor heat exchanger and domestic hot water production. International Journal of Refrigeration, 2019, 101, 125-135.	3.4	7
39	Injection of steam into the mashing process as alternative method for the temperature control and low-cost of production. Journal of Food Engineering, 2000, 43, 193-196.	5.2	6
40	Comparison of Rheological Behaviour of Salad Sauces. International Journal of Food Properties, 2006, 9, 907-915.	3.0	6
41	Density, Viscosity, and Refractive Index of N-Methyldiethanolamine in Blends of Methanol + Water as Solvent and Their Binary Systems from T = (293.15 to 323.15) K. Journal of Chemical & Engineering Data, 2020, 65, 4417-4434.	1.9	6
42	Physicochemical Characterization of Aqueous Two-Phase Systems Containing Tween20 and Sodium Salts from T = (288.15 to 318.15) K. Journal of Chemical & Engineering Data, 2014, 59, 926-935.	1.9	3
43	Seasonal Efficiency of a Brine-to-Water Heat Pump with Different Control Options according to Ecodesign Standards. Clean Technologies, 2022, 4, 542-554.	4.2	3
44	Surface Tension of N-Methyldiethanolamine in Methanol or in Methanol Aqueous Solutions as a Solvent at Temperatures from 293.15 to 323.15 K. Journal of Chemical & Engineering Data, 2021, 66, 722-733.	1.9	2
45	An approach to control of bioreactors. Application of the gainâ€“scheduling method. Journal of Automated Methods and Management in Chemistry, 1999, 21, 39-43.	0.5	0
46	An approach to control of bioreactors. Application of the gain-scheduling method. Journal of Automated Methods and Management in Chemistry, 1999, 21, 39-43.	0.5	0
47	Rebuttal to Comments on â€œDesign of a Combined Mixing Rule for the Prediction of Vaporâ^'Liquid Equilibria Using Neural Networksâ€. Industrial & Engineering Chemistry Research, 2000, 39, 241-241.	3.7	0
48	Electrochemical Mass Transfer Measurements of CO₂ in MDEA Solutions. Defect and Diffusion Forum, 0, 312-315, 87-92.	0.4	0
49	Comparative Study of CO₂ Absorption in Aqueous Mixtures of Methyldiethanolamine (MDEA) and Methanol, Focusing on the Temperature and Concentration Influence over the Absorption Rate. Defect and Diffusion Forum, 0, 353, 193-198.	0.4	0