

Estrella Alvarez

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

2,428
citations

331259

21
h-index

233125

45
g-index

50
all docs

50
docs citations

50
times ranked

2613
citing authors

#	ARTICLE	IF	CITATIONS
1	Seasonal Efficiency of a Brine-to-Water Heat Pump with Different Control Options according to Ecodesign Standards. <i>Clean Technologies</i> , 2022, 4, 542-554.	1.9	3
2	Drop-in performance of the low-GWP alternative refrigerants R452B and R454B in an R410A liquid-to-water heat pump. <i>Applied Thermal Engineering</i> , 2021, 182, 116049.	3.0	21
3	Surface Tension of <i>N</i> -Methyldiethanolamine in Methanol or in Methanol Aqueous Solutions as a Solvent at Temperatures from 293.15 to 323.15 K. <i>Journal of Chemical & Engineering Data</i> , 2021, 66, 722-733.	1.0	2
4	Influence of the refrigerant charge in an R407C liquid-to-water heat pump for space heating and domestic hot water production. <i>International Journal of Refrigeration</i> , 2020, 110, 28-37.	1.8	17
5	Density, Viscosity, and Refractive Index of <i>N</i> -Methyldiethanolamine in Blends of Methanol + Water as Solvent and Their Binary Systems from $T = (293.15 \text{ to } 323.15) \text{ K}$. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 4417-4434.	1.0	6
6	Performance analysis of a R407C liquid-to-water heat pump: Effect of a liquid-vapor heat exchanger and domestic hot water production. <i>International Journal of Refrigeration</i> , 2019, 101, 125-135.	1.8	7
7	CO ₂ absorption into <i>N</i> -methyldiethanolamine aqueous-organic solvents. <i>Chemical Engineering Journal</i> , 2016, 283, 1069-1080.	6.6	35
8	Physicochemical Characterization of Aqueous Two-Phase Systems Containing Tween20 and Sodium Salts from $T = (288.15 \text{ to } 318.15) \text{ K}$. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 926-935.	1.0	3
9	Surface Tensions of Three Amyl Alcohol + Ethanol Binary Mixtures from $(293.15 \text{ to } 323.15) \text{ K}$. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 4235-4238.	1.0	20
10	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 $(293.15 \text{ to } 323.15) \text{ K}$. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 2567-2575.	1.0	45
11	Density, Speed of Sound, Isentropic Compressibility, and Excess Volume of (Monoethanolamine + Tj ETQq1 1 0.784314 rgBT /Overlook <i>Engineering Data</i> , 2010, 55, 994-999.	1.0	40
12	Effect of bubble contamination on gas-liquid mass transfer coefficient on CO ₂ absorption in amine solutions. <i>Chemical Engineering Journal</i> , 2008, 137, 422-427.	6.6	32
13	Effect of temperature on carbon dioxide absorption in monoethanolamine solutions. <i>Chemical Engineering Journal</i> , 2008, 138, 295-300.	6.6	43
14	Surface Tension of Binary Mixtures of <i>N</i> -Methyldiethanolamine and Triethanolamine with Ethanol. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 874-876.	1.0	20
15	Surface Tension of Aqueous Binary Mixtures of 2-(Methylamino)ethanol and 2-(Ethylamino)ethanol and Aqueous Ternary Mixtures of These Amines with Triethanolamine or <i>N</i> -Methyldiethanolamine from $(293.15 \text{ to } 323.15) \text{ K}$. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 318-321.	1.0	20
16	Rheological Characterization of Commercial Baby Fruit Purees. <i>International Journal of Food Properties</i> , 2008, 11, 321-329.	1.3	11
17	Density and Speed of Sound of Binary Mixtures of <i>N</i> -Methyldiethanolamine and Triethanolamine with Ethanol. <i>Journal of Chemical & Engineering Data</i> , 2007, 52, 2059-2061.	1.0	28
18	Rheological properties of fruit purees: Effect of cooking. <i>Journal of Food Engineering</i> , 2007, 80, 763-769.	2.7	56

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19	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.	1.0	70
20	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.	1.0	88
21	Effect of Temperature on Rheological Properties of Different Jams. International Journal of Food Properties, 2006, 9, 135-146.	1.3	30
22	Comparison of Rheological Behaviour of Salad Sauces. International Journal of Food Properties, 2006, 9, 907-915.	1.3	6
23	Effects of temperature and concentration on carboxymethylcellulose with sucrose rheology. Journal of Food Engineering, 2005, 71, 419-424.	2.7	64
24	Densities and Viscosities of Aqueous Solutions of Pyrrolidine and Piperidine from (20 to 50) °C. Journal of Chemical & Engineering Data, 2005, 50, 1829-1832.	1.0	21
25	Rheological Behavior of Powdered Baby Foods. International Journal of Food Properties, 2005, 8, 79-88.	1.3	9
26	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.	1.0	61
27	Conductivity of Sodium Bis(2-ethylhexyl)sulfosuccinate/Isooctane/Water Microemulsions Containing Phase-Transfer Catalysts. Journal of Chemical & Engineering Data, 2001, 46, 526-534.	1.0	7
28	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.	2.7	6
29	Model based in neural networks for the prediction of the mass transfer coefficients in bubble columns. Study in Newtonian and non-Newtonian fluids. International Communications in Heat and Mass Transfer, 2000, 27, 93-98.	2.9	17
30	Mass Transfer and Influence of Physical Properties of Solutions in a Bubble Column. Chemical Engineering Research and Design, 2000, 78, 889-893.	2.7	64
31	Conductivity of Sodium Bis(2-ethylhexyl)sulfosuccinate/Isooctane/Water Microemulsions Containing Phase-Transfer Catalysts. Journal of Chemical & Engineering Data, 2000, 45, 428-432.	1.0	7
32	Rebuttal to Comments on "Design of a Combined Mixing Rule for the Prediction of Vapor-Liquid Equilibria Using Neural Networks". Industrial & Engineering Chemistry Research, 2000, 39, 241-241.	1.8	0
33	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
34	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
35	Fuzzy logic control for the isomerized hop pellets production. Journal of Food Engineering, 1999, 39, 145-150.	2.7	10
36	Design of a Combined Mixing Rule for the Prediction of Vapor-Liquid Equilibria Using Neural Networks. Industrial & Engineering Chemistry Research, 1999, 38, 1706-1711.	1.8	23

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37	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.	1.0	7
38	Effects of Temperature on the Conductivity of Microemulsions: Influence of Sodium Hydroxide and Hydrochloric Acid. Journal of Chemical & Engineering Data, 1999, 44, 846-849.	1.0	12
39	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 °C. Journal of Chemical & Engineering Data, 1998, 43, 1027-1029.	1.0	81
40	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.	1.0	26
41	Density, Viscosity, and Surface Tension of Sodium Carbonate + Sodium Bicarbonate Buffer Solutions in the Presence of Glycerine, Glucose, and Sucrose from 25 to 40 °C. Journal of Chemical & Engineering Data, 1998, 43, 128-132.	1.0	15
42	Surface Tension of Binary Mixtures of Water + Monoethanolamine and Water + 2-Amino-2-methyl-1-propanol and Ternary Mixtures of These Amines with Water from 25 °C to 50 °C. Journal of Chemical & Engineering Data, 1997, 42, 57-59.	1.0	182
43	Surface Tension of Organic Acids + Water Binary Mixtures from 20 °C to 50 °C. Journal of Chemical & Engineering Data, 1997, 42, 957-960.	1.0	112
44	Density and Viscosity of Aqueous Solutions of Sodium Dithionite, Sodium Hydroxide, Sodium Dithionite + Sucrose, and Sodium Dithionite + Sodium Hydroxide + Sucrose from 25 °C to 40 °C. Journal of Chemical & Engineering Data, 1996, 41, 244-248.	1.0	23
45	Surface Tension of Aqueous Solutions of Diethanolamine and Triethanolamine from 25 °C to 50 °C. Journal of Chemical & Engineering Data, 1996, 41, 806-808.	1.0	86
46	Surface Tension of Alcohol Water + Water from 20 to 50 .degree.C. Journal of Chemical & Engineering Data, 1995, 40, 611-614.	1.0	968
47	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.	1.0	17
48	Electrochemical Mass Transfer Measurements of CO ₂ in MDEA Solutions. Defect and Diffusion Forum, 0, 312-315, 87-92.	0.4	0
49	Comparative Study of CO ₂ 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