

Estrella Alvarez

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

2,077
citations

21
h-index

45
g-index

50
ext. papers

2,252
ext. citations

4
avg, IF

4.41
L-index

#	Paper	IF	Citations
47	Surface Tension of N-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	2.8	1
46	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	5.8	9
45	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	3.8	7
44	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. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 4417-4434	2.8	3
43	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 ^{3.8}	3.8	5
42	CO2 absorption into N-methyldiethanolamine aqueous-organic solvents. <i>Chemical Engineering Journal</i> , 2016 , 283, 1069-1080	14.7	28
41	Physicochemical Characterization of Aqueous Two-Phase Systems Containing Tween20 and Sodium Salts from T = (288.15 to 318.15) K. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 926-935	2.8	3
40	Comparative Study of CO2 Absorption in Aqueous Mixtures of Methyldiethanolamine (MDEA) and Methanol, Focusing on the Temperature and Concentration Influence over the Absorption Rate. <i>Defect and Diffusion Forum</i> , 2014 , 353, 193-198	0.7	
39	Surface Tensions of Three Amyl Alcohol + Ethanol Binary Mixtures from (293.15 to 323.15) K. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 4235-4238	2.8	15
38	Electrochemical Mass Transfer Measurements of CO2 in MDEA Solutions. <i>Defect and Diffusion Forum</i> , 2011 , 312-315, 87-92	0.7	
37	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. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 2567-2575	2.8	29
36	Density, Speed of Sound, Isentropic Compressibility, and Excess Volume of (Monoethanolamine + 2-Amino-2-methyl-1-propanol), (Monoethanolamine + Triethanolamine), and (Monoethanolamine + N-Methyldiethanolamine) at Temperatures from (293.15 to 323.15) K. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 994-999	2.8	33
35	Surface Tension of Binary Mixtures of N-Methyldiethanolamine and Triethanolamine with Ethanol. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 874-876	2.8	19
34	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. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 318-321	2.8	17
33	Rheological Characterization of Commercial Baby Fruit Purees. <i>International Journal of Food Properties</i> , 2008 , 11, 321-329	3	8
32	Effect of bubble contamination on gas-liquid mass transfer coefficient on CO2 absorption in amine solutions. <i>Chemical Engineering Journal</i> , 2008 , 137, 422-427	14.7	28
31	Effect of temperature on carbon dioxide absorption in monoethanolamine solutions. <i>Chemical Engineering Journal</i> , 2008 , 138, 295-300	14.7	33

30	Density and Speed of Sound of Binary Mixtures of N-Methyldiethanolamine and Triethanolamine with Ethanol. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 2059-2061	2.8	27
29	Rheological properties of fruit purees: Effect of cooking. <i>Journal of Food Engineering</i> , 2007 , 80, 763-769	6	49
28	Comparison of Rheological Behaviour of Salad Sauces. <i>International Journal of Food Properties</i> , 2006 , 9, 907-915	3	6
27	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. <i>Journal of Chemical & Engineering Data</i> , 2006 , 51, 955-962	2.8	60
26	Density, Viscosity, Excess Molar Volume, and Viscosity Deviation of Three Amyl Alcohols + Ethanol Binary Mixtures from 293.15 to 323.15 K. <i>Journal of Chemical & Engineering Data</i> , 2006 , 51, 940-945	2.8	74
25	Effect of Temperature on Rheological Properties of Different Jams. <i>International Journal of Food Properties</i> , 2006 , 9, 135-146	3	24
24	Densities and Viscosities of Aqueous Solutions of Pyrrolidine and Piperidine from (20 to 50) °C. <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 1829-1832	2.8	21
23	Rheological Behavior of Powdered Baby Foods. <i>International Journal of Food Properties</i> , 2005 , 8, 79-88	3	7
22	Effects of temperature and concentration on carboxymethylcellulose with sucrose rheology. <i>Journal of Food Engineering</i> , 2005 , 71, 419-424	6	51
21	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. <i>Journal of Chemical & Engineering Data</i> , 2003 , 48, 32-35	2.8	54
20	Conductivity of Sodium Bis(2-ethylhexyl)sulfosuccinate/Isooctane/Water Microemulsions Containing Phase-Transfer Catalysts. <i>Journal of Chemical & Engineering Data</i> , 2001 , 46, 526-534	2.8	5
19	Injection of steam into the mashing process as alternative method for the temperature control and low-cost of production. <i>Journal of Food Engineering</i> , 2000 , 43, 193-196	6	5
18	Model based in neural networks for the prediction of the mass transfer coefficients in bubble columns. Study in Newtonian and non-Newtonian fluids. <i>International Communications in Heat and Mass Transfer</i> , 2000 , 27, 93-98	5.8	15
17	Mass Transfer and Influence of Physical Properties of Solutions in a Bubble Column. <i>Chemical Engineering Research and Design</i> , 2000 , 78, 889-893	5.5	59
16	Conductivity of Sodium Bis(2-ethylhexyl)sulfosuccinate/Isooctane/Water Microemulsions Containing Phase-Transfer Catalysts. <i>Journal of Chemical & Engineering Data</i> , 2000 , 45, 428-432	2.8	7
15	Rebuttal to Comments on Design of a Combined Mixing Rule for the Prediction of Vapor-Liquid Equilibria Using Neural Networks. <i>Industrial & Engineering Chemistry Research</i> , 2000 , 39, 241-241	3.9	
14	An approach to control of bioreactors. Application of the gain-scheduling method. <i>Journal of Automated Methods and Management in Chemistry</i> , 1999 , 21, 39-43		
13	Fuzzy logic control for the isomerized hop pellets production. <i>Journal of Food Engineering</i> , 1999 , 39, 145-150	8	

12	Design of a Combined Mixing Rule for the Prediction of Vapor-Liquid Equilibria Using Neural Networks. <i>Industrial & Engineering Chemistry Research</i> , 1999 , 38, 1706-1711	3.9	21
11	Effect of Temperature on the Electrical Conductivity of Sodium Bis(2-ethylhexyl)sulfosuccinate + 2,2,4-Trimethylpentane + Water Microemulsions. Influence of Alkylamines. <i>Journal of Chemical & Engineering Data</i> , 1999 , 44, 1286-1290	2.8	5
10	Effects of Temperature on the Conductivity of Microemulsions: Influence of Sodium Hydroxide and Hydrochloric Acid. <i>Journal of Chemical & Engineering Data</i> , 1999 , 44, 846-849	2.8	10
9	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. <i>Journal of Chemical & Engineering Data</i> , 1998 , 43, 1027-1029	2.8	76
8	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. <i>Journal of Chemical & Engineering Data</i> , 1998 , 43, 123-127	2.8	24
7	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. <i>Journal of Chemical & Engineering Data</i> , 1998 , 43, 128-132	2.8	14
6	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 °C to 50 °C. <i>Journal of Chemical & Engineering Data</i> , 1997 , 42, 57-59	2.8	166
5	Surface Tension of Organic Acids + Water Binary Mixtures from 20 °C to 50 °C. <i>Journal of Chemical & Engineering Data</i> , 1997 , 42, 957-960	2.8	101
4	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. <i>Journal of Chemical & Engineering Data</i> , 1996 , 41, 244-248	2.8	19
3	Surface Tension of Aqueous Solutions of Diethanolamine and Triethanolamine from 25 °C to 50 °C. <i>Journal of Chemical & Engineering Data</i> , 1996 , 41, 806-808	2.8	76
2	Surface Tension of Alcohol Water + Water from 20 to 50 .degree.C. <i>Journal of Chemical & Engineering Data</i> , 1995 , 40, 611-614	2.8	831
1	Density, Viscosity, and Surface Tension of Aqueous Solutions of Sodium Sulfite and Sodium Sulfite + Sucrose from 25 to 40 .degree.C. <i>Journal of Chemical & Engineering Data</i> , 1995 , 40, 1101-1105	2.8	17