

Gloria Costa

List of Publications by Year in descending order

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papers

365
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759233

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37
times ranked

391
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of Nonelectrolyte Hydrogel Swelling and Its Pressure Effects with Simple Equation of State and Mechanical Models Using Liquid-Liquid Equilibrium Data. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 21969-21981.	3.7	2
2	Development of Tailor-Made Superabsorbent Polymers: Review of Key Aspects from Raw Material to Kinetic Model. <i>Journal of Polymers and the Environment</i> , 2019, 27, 1861-1877.	5.0	11
3	A novel method to predict the risk of asphaltene precipitation due to CO ₂ displacement in oil reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2019, 176, 1008-1017.	4.2	7
4	A comparative study of CPA and PC-SAFT equations of state to calculate the asphaltene onset pressure and phase envelope. <i>Fluid Phase Equilibria</i> , 2019, 494, 74-92.	2.5	21
5	Prediction of Thermodynamic Properties of CO ₂ by Cubic and Multiparameter Equations of State for Fluid Dynamics Applications. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 1746-1759.	1.9	1
6	Calculation of Bubble Pressure for Crude Oils: The Effect of q-Weibull Distribution for Splitting the Heavy Fraction. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 1885-1897.	1.9	1
7	Modeling the Saturation Pressure of Systems Containing Crude Oils and CO ₂ Using the SRK Equation of State. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 2134-2142.	1.9	3
8	Modeling of the Asphaltene Onset Pressure from Few Experimental Data: A Comparative Evaluation of the Hirschberg Method and the Cubic-Plus-Association Equation of State. <i>Energy & Fuels</i> , 2019, 33, 3733-3742.	5.1	14
9	Improvement of the Expanded Fluid Viscosity Model for Crude Oils: Effects of the Plus-Fraction Characterization Method and Density. <i>Energy & Fuels</i> , 2018, 32, 1624-1633.	5.1	10
10	Supercritical solvent impregnation/deposition of spilanthol-enriched extracts into a commercial collagen/cellulose-based wound dressing. <i>Journal of Supercritical Fluids</i> , 2018, 133, 503-511.	3.2	24
11	Low Salinity Water Injection in a Clastic Reservoir in Northeast Brazil: An Experimental Case Study. , 2018, , .		10
12	Modeling non-electrolyte hydrogel swelling using the adjusted parameters from liquid-liquid equilibrium data of the linear polymer. <i>Fluid Phase Equilibria</i> , 2017, 435, 1-14.	2.5	6
13	Evaluation and Improvement of Screening Methods Applied to Asphaltene Precipitation. <i>Energy & Fuels</i> , 2017, 31, 3380-3391.	5.1	22
14	High-Pressure Modeling of Asphaltene Precipitation during Oil Depletion Based on the Solid Model. <i>Energy & Fuels</i> , 2017, 31, 7911-7918.	5.1	3
15	Effect of scCO ₂ sorption capacity on the total amount of borage oil loaded by scCO ₂ impregnation/deposition into a polyurethane-based wound dressing. <i>Journal of Supercritical Fluids</i> , 2016, 115, 1-9.	3.2	9
16	Measurement and modelling of urea solubility in aqueous propane-1,2,3-triol and prop-2-enoic acid solutions. <i>Journal of Chemical Thermodynamics</i> , 2016, 103, 142-151.	2.0	2
17	Assessment of the liquid mixture density effect on the prediction of supercritical carbon dioxide volume expansion of organic solvents by Peng-Robinson equation of state. <i>Fluid Phase Equilibria</i> , 2016, 425, 196-205.	2.5	8
18	Joule-Thomson Effect in Mixtures Containing Polymers and Copolymers. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 1117-1125.	3.7	2

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19	CO ₂ oil saturation pressure and onset asphaltene precipitation. Canadian Journal of Chemical Engineering, 2015, 93, 1697-1704.	1.7	2
20	Dynamic modeling and simulation of a water supply system with applications for improving energy efficiency. Energy Efficiency, 2015, 8, 417-432.	2.8	16
21	New method to detect asphaltene precipitation onset induced by CO ₂ injection. Fluid Phase Equilibria, 2014, 362, 355-364.	2.5	13
22	Measurement and modelling of binary (solid+liquid+vapour) equilibria involving lipids and CO ₂ . Journal of Chemical Thermodynamics, 2014, 69, 172-178.	2.0	4
23	Modeling high pressure vapor-liquid equilibrium of ternary systems containing supercritical CO ₂ and mixed organic solvents using Peng-Robinson equation of state. Journal of Supercritical Fluids, 2014, 93, 82-90.	3.2	10
24	Modeling and simulation of asphaltene precipitation by normal pressure depletion. Journal of Petroleum Science and Engineering, 2013, 109, 123-132.	4.2	11
25	Phase-dependent binary interaction parameters in industrial low-density polyethylene separators. Journal of Applied Polymer Science, 2013, 130, 2106-2117.	2.6	1
26	A new approach to select solvents and operating conditions for supercritical antisolvent precipitation processes by using solubility parameter and group contribution methods. Journal of Supercritical Fluids, 2013, 81, 128-146.	3.2	20
27	An improved method for calculating CO ₂ minimum miscibility pressure based on solubility parameter. Journal of Petroleum Science and Engineering, 2012, 98-99, 144-155.	4.2	24
28	Modeling of solid-liquid equilibria for polyethylene and polypropylene solutions with equations of state. Journal of Applied Polymer Science, 2011, 121, 1832-1849.	2.6	14
29	Calculation of Pressure-Temperature Diagrams and Distance for Phase Transition in Polyethylene Solutions. Industrial & Engineering Chemistry Research, 2010, 49, 12242-12253.	3.7	9
30	Solid pure component property effects on modeling upper crossover pressure for supercritical fluid process synthesis: A case study for the separation of Annatto pigments using SC-CO ₂ . Journal of Supercritical Fluids, 2009, 49, 1-8.	3.2	22
31	Simulation of Flash Separation in Polyethylene Industrial Processing: Comparison of SRK and SL Equations of State. Industrial & Engineering Chemistry Research, 2009, 48, 8613-8628.	3.7	12
32	Computational Aspects for Optimization of High Pressure Phase Equilibrium for Polymer Industrial Systems. Computer Aided Chemical Engineering, 2009, 27, 405-410.	0.5	2
33	Prediction of vapor-liquid and liquid-liquid equilibria for polymer systems: Comparison of activity coefficient models. Fluid Phase Equilibria, 2008, 267, 140-149.	2.5	12
34	Solubility of L-Dopa in supercritical carbon dioxide: prediction using a cubic equation of state. Journal of Supercritical Fluids, 2005, 34, 231-236.	3.2	7
35	Modeling high-pressure vapor-liquid equilibrium of limonene, linalool and carbon dioxide systems. Journal of Supercritical Fluids, 1999, 16, 107-117.	3.2	21
36	A Survey of Equations of State for Polymers. , 0, , .		7