

# Ilya Polishuk

## List of Publications by Year in descending order

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97  
papers

1,889  
citations

218381

26  
h-index

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| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Standardized Critical Point-Based Numerical Solution of Statistical Association Fluid Theory Parameters: The Perturbed Chain-Statistical Association Fluid Theory Equation of State Revisited. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 14127-14141.  | 1.8 | 99        |
| 2  | Unnoticed Pitfalls of Soave-Type Alpha Functions in Cubic Equations of State. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 5662-5673.   | 1.8 | 71        |
| 3  | Simultaneous prediction of the critical and sub-critical phase behavior in mixtures using equation of state I. Carbon dioxide-alkanols. <i>Chemical Engineering Science</i> , 2001, 56, 6485-6510.  | 1.9 | 68        |
| 4  | About the numerical pitfalls characteristic for SAFT EOS models. <i>Fluid Phase Equilibria</i> , 2010, 298, 67-74.  | 1.4 | 67        |
| 5  | Hybridizing SAFT and Cubic EOS: What Can Be Achieved?. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 4183-4198.  | 1.8 | 65        |
| 6  | Novel Methodology for Analysis and Evaluation of SAFT-Type Equations of State. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 13875-13885.  | 1.8 | 51        |
| 7  | Addressing the issue of numerical pitfalls characteristic for SAFT EOS models. <i>Fluid Phase Equilibria</i> , 2011, 301, 123-129.  | 1.4 | 50        |
| 8  | Prediction of the critical locus in binary mixtures using equation of state. <i>Fluid Phase Equilibria</i> , 2000, 172, 1-26.   | 1.4 | 46        |
| 9  | Till which pressures the fluid phase EOS models might stay reliable?. <i>Journal of Supercritical Fluids</i> , 2011, 58, 204-215.   | 1.6 | 46        |
| 10 | Simultaneous prediction of the critical and sub-critical phase behavior in mixtures using equations of state II. Carbon dioxide-heavy n-alkanes. <i>Chemical Engineering Science</i> , 2003, 58, 2529-2550.   | 1.9 | 42        |
| 11 | About the physical validity of attaching the repulsive terms of analytical EOS models by temperature dependencies. <i>Fluid Phase Equilibria</i> , 2010, 293, 164-167.  | 1.4 | 41        |
| 12 | Prediction of the critical locus in binary mixtures using equation of state. <i>Fluid Phase Equilibria</i> , 1999, 164, 13-47.  | 1.4 | 40        |
| 13 | Modeling of Viscosities in Extended Pressure Range Using SAFT + Cubic EoS and Modified Yarranton-Satyro Correlation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 13527-13537.  | 1.8 | 39        |
| 14 | Implementation of Perturbed-Chain Statistical Associating Fluid Theory (PC-SAFT), Generalized (G)SAFT+Cubic, and Cubic-Plus-Association (CPA) for Modeling Thermophysical Properties of Selected 1-Alkyl-3-methylimidazolium Ionic Liquids in a Wide Pressure Range. <i>Journal of Physical Chemistry A</i> , 2013, 117, 2223-2232. | 1.1 | 38        |
| 15 | Implementation of CP-PC-SAFT for Predicting Thermodynamic Properties and Gas Solubility in 1-Alkyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide Ionic Liquids without Fitting Binary Parameters. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 7845-7857.   | 1.8 | 38        |
| 16 | The group contribution method (GC) versus the critical point-based approach (CP): Predicting thermodynamic properties of weakly- and non-associated oxygenated compounds by GC-PPC-SAFT and CP-PC-SAFT. <i>Journal of Supercritical Fluids</i> , 2016, 110, 11-21.  | 1.6 | 37        |
| 17 | The numerical challenges of SAFT EoS models. <i>Reviews in Chemical Engineering</i> , 2011, 27, .   | 2.3 | 34        |
| 18 | Implementation of PC-SAFT and SAFT+Cubic for modeling thermodynamic properties of haloalkanes. I. 11 halomethanes. <i>Fluid Phase Equilibria</i> , 2012, 316, 66-73.  | 1.4 | 33        |

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|----|---|-----|-----------|
| 19 | Predicting phase behavior in aqueous systems without fitting binary parameters I: CP-PC-SAFT EOS, aromatic compounds. <i>AIChE Journal</i> , 2017, 63, 4124-4135.   | 1.8 | 33        |
| 20 | Generalization of SAFT+Cubic equation of state for predicting and correlating thermodynamic properties of heavy organic substances. <i>Journal of Supercritical Fluids</i> , 2012, 67, 94-107.  | 1.6 | 31        |
| 21 | Thermodynamic Properties of 1,2-Dichloroethane and 1,2-Dibromoethane under Elevated Pressures: Experimental Results and Predictions of a Novel DIPPR-Based Version of FT-EoS, PC-SAFT, and CP-PC-SAFT. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 9645-9656.  | 1.8 | 31        |
| 22 | Implementation of GC-PPC-SAFT and CP-PC-SAFT for predicting thermodynamic properties of mixtures of weakly- and non-associated oxygenated compounds. <i>Journal of Supercritical Fluids</i> , 2016, 115, 65-78.   | 1.6 | 31        |
| 23 | Correlation and prediction of interface tension for fluid mixtures: An approach based on cubic equations of state with the wong-sandler mixing rule. <i>Journal of Phase Equilibria and Diffusion</i> , 2005, 26, 215-224.  | 0.5 | 29        |
| 24 | Modeling Viscosities of Pure Compounds and Their Binary Mixtures Using the Modified Yarranton-Satyro Correlation and Free Volume Theory Coupled with SAFT+Cubic EoS. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 959-971.  | 1.8 | 29        |
| 25 | Estimating the liquid properties of 1-alkanols from C5 to C12 by FT-EoS and CP-PC-SAFT: Simplicity versus complexity. <i>Journal of Supercritical Fluids</i> , 2015, 104, 193-203.  | 1.6 | 27        |
| 26 | Predicting phase behavior in aqueous systems without fitting binary parameters II: Gases and non-aromatic hydrocarbons. <i>AIChE Journal</i> , 2017, 63, 5064-5075.   | 1.8 | 26        |
| 27 | A novel approach for defining parameters in a four-parameter EOS. <i>Chemical Engineering Science</i> , 2000, 55, 5705-5720.  | 1.9 | 25        |
| 28 | Estimation of interfacial behavior using the global phase diagram approach I. Carbon dioxide-n-alkanes. <i>Thermochimica Acta</i> , 2004, 411, 171-176.   | 1.2 | 25        |
| 29 | Implementation of the critical point-based revised PC-SAFT for modelling thermodynamic properties of aromatic and haloaromatic compounds. <i>Journal of Supercritical Fluids</i> , 2015, 97, 133-144.   | 1.6 | 25        |
| 30 | Toward Development of a Universal CP-PC-SAFT-Based Modeling Framework for Predicting Thermophysical Properties at Reservoir Conditions: Inclusion of Surface Tensions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 8819-8831.  | 1.8 | 25        |
| 31 | Estimation of Liquid-Liquid Vapor Equilibria Using Predictive EOS Models. 1. Carbon Dioxide-n-Alkanes. <i>Journal of Physical Chemistry B</i> , 2003, 107, 1864-1874.   | 1.2 | 24        |
| 32 | A Modeling Framework for Predicting and Correlating Viscosities of Liquids in Wide Range of Conditions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 6999-7003.   | 1.8 | 23        |
| 33 | Generalized Cubic Equation of State Adjusted to the Virial Coefficients of Real Gases and Its Prediction of Auxiliary Thermodynamic Properties. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 10708-10717.   | 1.8 | 22        |
| 34 | Implementation of SAFT + Cubic, PC-SAFT, and Soave-Benedict-Webb-Rubin Equations of State for Comprehensive Description of Thermodynamic Properties in Binary and Ternary Mixtures of CH <sub>4</sub> , CO <sub>2</sub> , and n-C <sub>16</sub> H <sub>34</sub> . <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 14175-14185. | 1.8 | 21        |
| 35 | Semi-Theoretical Versus Entirely Empirical: Comparing SAFT + Cubic and Soave-Benedict-Webb-Rubin (SBWR) Equations of State. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 11422-11431.   | 1.8 | 21        |
| 36 | Implementation of PC-SAFT and SAFT+Cubic for modeling thermodynamic properties of haloalkanes. II. 7 Haloethanes and their mixtures. <i>International Journal of Refrigeration</i> , 2013, 36, 980-991.   | 1.8 | 21        |

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|----|---|-----|-----------|
| 37 | Estimation of Thermodynamic Properties and Phase Equilibria in Systems of Deep Eutectic Solvents by PC-SAFT EoS. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 22292-22300.  | 1.8 | 21        |
| 38 | Predicting phase behavior of metallic mercury in liquid and compressed gaseous hydrocarbons. <i>Fuel</i> , 2016, 174, 197-205.  | 3.4 | 19        |
| 39 | Association and molecular chain length effects on interfacial behavior. <i>Physics and Chemistry of Liquids</i> , 2006, 44, 45-59.  | 0.4 | 18        |
| 40 | Prediction of High-Pressure Phase Equilibria using Cubic EOS: What Can Be Learned?. <i>Canadian Journal of Chemical Engineering</i> , 2002, 80, 927-942.  | 0.9 | 18        |
| 41 | Implementation of CP-PC-SAFT and CS-SAFT-VR-Mie for Predicting the Thermodynamic Properties of $C_{1-3}$ Halocarbon Systems. II. Inter-Relation between Solubilities in Ionic Liquids, Their Pressure, Volume, and Temperature, and Critical Constants. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 13084-13093. | 1.8 | 17        |
| 42 | Measurements and modeling of the VLE properties of n-hexadecane in supercritical binary propane+n-butane solvent. <i>Fluid Phase Equilibria</i> , 2020, 510, 112502.  | 1.4 | 16        |
| 43 | Closed loops of liquid-liquid immiscibility predicted by semi-empirical cubic equations of state and classical mixing rules. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 879-883.   | 1.3 | 15        |
| 44 | Implementation of SAFT+Cubic and PC-SAFT for comprehensive description of thermodynamic properties of n-octane and its mixtures. <i>Journal of Supercritical Fluids</i> , 2012, 62, 47-54.  | 1.6 | 15        |
| 45 | Speeds of sound in ionic liquids under elevated pressures. New experimental data and CP-PC-SAFT modelling. <i>Journal of Molecular Liquids</i> , 2020, 303, 112669.   | 2.3 | 15        |
| 46 | Estimation of Liquid-Vapor Equilibria in Binary Mixtures of n-Alkanes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2004, 43, 5957-5964.  | 1.8 | 14        |
| 47 | Implementation of PC-SAFT and SAFT+Cubic for modeling thermodynamic properties of eight 1-alkenes and their mixtures. <i>Journal of Chemical Thermodynamics</i> , 2012, 54, 155-164.  | 1.0 | 14        |
| 48 | High-pressure phase equilibrium in the {carbon dioxide (1) + 1-chloropropane (2)} binary system. <i>Journal of Chemical Thermodynamics</i> , 2015, 91, 165-171.   | 1.0 | 14        |
| 49 | Comparison of SAFT-VR-Mie and CP-PC-SAFT in predicting phase behavior of associating systems I. Ammonia-water, methanol, ethanol and hydrazine. <i>Journal of Molecular Liquids</i> , 2018, 265, 639-653.   | 2.3 | 14        |
| 50 | A Novel Equation of State for the Prediction of Thermodynamic Properties of Fluids. <i>Journal of Physical Chemistry B</i> , 2005, 109, 5977-5984.  | 1.2 | 13        |
| 51 | Experimental Determination and Modeling Thermophysical Properties of 1-Chlorononane in a Wide Range of Conditions: Is It Possible To Predict a Contribution of Chlorine Atom?. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 5142-5150.  | 1.8 | 13        |
| 52 | Comparison of SAFT-VR-Mie and CP-PC-SAFT in predicting phase behavior of associating systems II. Ammonia-Hydrocarbons. <i>Journal of Molecular Liquids</i> , 2018, 269, 657-665.  | 2.3 | 13        |
| 53 | Wide-ranging prediction of phase behavior in complex systems by CP-PC-SAFT with universal kij values. I. Mixtures of non-associating compounds with [C2mim][EtSO4], [C4mim][MeSO4], and [C2mim][MeSO3] ionic liquids. <i>Journal of Molecular Liquids</i> , 2020, 310, 113266.  | 2.3 | 13        |
| 54 | Transitional behavior of phase diagrams predicted by the Redlich-Kwong equation of state and classical mixing rules. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 4245-4250.   | 1.3 | 12        |

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|----|--|-----|-----------|
| 55 | Phase Stability Analysis in Binary Systems. <i>Physics and Chemistry of Liquids</i> , 2000, 38, 277-331.   | 0.4 | 12        |
| 56 | Comparison of SAFT-VR-Mie and CP-PC-SAFT in predicting phase behavior of associating systems III. Aliphatic hydrocarbons - 1-propanol, 1-butanol and 1-pentanol. <i>Journal of Molecular Liquids</i> , 2019, 279, 492-502.   | 2.3 | 12        |
| 57 | Implementation of CP-PC-SAFT and CS-SAFT-VR-Mie for Predicting Thermodynamic Properties of $C_{1-3}$ Halocarbon Systems. I. Pure Compounds and Mixtures with Nonassociating Compounds. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 9624-9636. | 1.8 | 12        |
| 58 | About the Relation between the Empirical and the Theoretically Based Parts of van der Waals-like Equations of State. <i>Industrial &amp; Engineering Chemistry Research</i> , 2002, 41, 4414-4421.   | 1.8 | 11        |
| 59 | Predicting phase behavior of metallic mercury in liquid and compressed gaseous hydrocarbons II: Further examination of CP-PC-SAFT in the light of new data. <i>Fuel</i> , 2017, 203, 686-689.  | 3.4 | 11        |
| 60 | Phase behavior of Dieterici fluids. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 5189-5194.   | 1.3 | 10        |
| 61 | Rebuttal to the Comments of Paul M. Mathias on "Unnoticed Pitfalls of Soave-Type Alpha Functions in Cubic Equations of State". <i>Industrial &amp; Engineering Chemistry Research</i> , 2004, 43, 1895-1896.   | 1.8 | 10        |
| 62 | Limiting conditions for the critical pressure step point behavior in the Global Phase Diagram of binary mixtures composed by spherical molecules of equal sizes. <i>Journal of Supercritical Fluids</i> , 2009, 48, 108-119.   | 1.6 | 10        |
| 63 | Comparison of SAFT-VR-Mie and CP-PC-SAFT in predicting phase behavior of associating systems IV. Methanol-aliphatic hydrocarbons. <i>Journal of Molecular Liquids</i> , 2019, 291, 111321.   | 2.3 | 10        |
| 64 | Comparison of CP-PC-SAFT and SAFT-VR-Mie in Predicting Phase Equilibria of Binary Systems Comprising Gases and 1-Alkyl-3-methylimidazolium Ionic Liquids. <i>Molecules</i> , 2021, 26, 6621.   | 1.7 | 9         |
| 65 | Simultaneous prediction of the critical and sub-critical phase behavior in mixtures using equations of state III. Methane-n-alkanes. <i>Chemical Engineering Science</i> , 2003, 58, 4363-4376.  | 1.9 | 8         |
| 66 | An Empirical Modification of Classical Mixing Rule for the Cohesive Parameter: The Triple Interactions in Binary Systems Considered. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 4989-4994.   | 1.8 | 8         |
| 67 | Prediction of sound velocity for selected ionic liquids using a multilayer feed-forward neural network. <i>Journal of Molecular Liquids</i> , 2022, 347, 118376.   | 2.3 | 8         |
| 68 | Some Observations Regarding the Association Kernel of SAFT-VR-Mie. Is the Molecularly Inspired Contribution Always Necessary?. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 15869-15883.   | 1.8 | 7         |
| 69 | Some Observations Regarding the SAFT-VR-Mie Equation of State. <i>The Open Thermodynamics Journal</i> , 2011, 5, 18-28.  | 0.6 | 7         |
| 70 | Simultaneous prediction of the critical and sub-critical phase behavior in mixtures using equations of state IV. Mixtures of chained n-alkanes. <i>Chemical Engineering Science</i> , 2004, 59, 633-643.   | 1.9 | 6         |
| 71 | Prediction of phase equilibria in the systems carbon dioxide (1)-fatty acids (2) by two cubic EOS models and classical mixing rules without binary adjustable parameters. <i>Fluid Phase Equilibria</i> , 2010, 289, 90-93.  | 1.4 | 6         |
| 72 | Viscosities of 1-Iodoalkanes. New Experimental Data, Prediction, and Analysis. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 20116-20124.   | 1.8 | 6         |

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|----|--|-----|-----------|
| 73 | Thermophysical Properties of the Medium-Chain 1-Alkyl Halides in a Wide Range of Conditions: New Experimental Data and Predictions of CP-PC-SAFT and FT-EOS. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 5725-5732.   | 1.8 | 6         |
| 74 | Comparison of SAFT-VR-Mie and CP-PC-SAFT in Estimating the Phase Behavior of Acetone + $n$ -Alkane Systems. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 21567-21578.  | 1.8 | 6         |
| 75 | Interfacial properties of fluorinated (F)-gases in azeotropic condition. <i>Journal of Molecular Liquids</i> , 2022, 350, 118604.  | 2.3 | 6         |
| 76 | A novel EOS that combines van der Waals and Dieterici potentials. <i>AIChE Journal</i> , 2005, 51, 2077-2088.  | 1.8 | 5         |
| 77 | Azeotropic behavior of Dieterici binary fluids. <i>Fluid Phase Equilibria</i> , 2007, 257, 18-26.  | 1.4 | 5         |
| 78 | Some observations regarding the prediction of isochoric heat capacities by engineering EOS models. <i>Fluid Phase Equilibria</i> , 2009, 277, 121-125.   | 1.4 | 5         |
| 79 | Estimation of phase behavior in mixtures of CO <sub>2</sub> and C <sub>20</sub> + $n$ -alkanes using predictive eos models. <i>Physics and Chemistry of Liquids</i> , 2003, 41, 623-637.   | 0.4 | 4         |
| 80 | Novel Four-Parameter EOS with Temperature-Independent Parameters. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 9248-9256.  | 1.8 | 4         |
| 81 | IMPLEMENTATION OF MATHEMATICA FOR DEVELOPMENT AND APPLICATION OF EOS MODELS. II: DERIVATION OF THE GENERALIZED EXPRESSION FOR THE FUGACITY COEFFICIENTS OF COMPOUNDS IN A MIXTURE. <i>Chemical Engineering Communications</i> , 2008, 196, 448-453.  | 1.5 | 4         |
| 82 | IMPLEMENTATION OF MATHEMATICA FOR DEVELOPMENT AND APPLICATION OF EOS MODELS. I: DERIVATION OF THE EXPRESSIONS FOR HARD-CHAIN AND HARD-SPHERE COMPRESSIBILITY FACTORS. <i>Chemical Engineering Communications</i> , 2008, 196, 443-447.   | 1.5 | 4         |
| 83 | Measurements and predictions of densities and viscosities in CO <sub>2</sub> + $n$ -hydrocarbon mixtures at high pressures and temperatures: CO <sub>2</sub> + $n$ -pentane and CO <sub>2</sub> + $n$ -hexane blends. <i>Journal of Molecular Liquids</i> , 2022, 360, 119518.                         | 2.3 | 4         |
| 84 | Simultaneous Prediction of the Critical and Subcritical Phase Behavior in Mixtures of Ethane+ $n$ -Alkanes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 2292-2300.  | 1.8 | 3         |
| 85 | IMPLEMENTATION OF MATHEMATICA FOR DEVELOPMENT AND APPLICATION OF EOS MODELS. III: CALCULATION OF HEAT CAPACITIES, ENTHALPY AND ENTROPY OF EVAPORATION, AND SPEED OF SOUND. <i>Chemical Engineering Communications</i> , 2009, 196, 1291-1299.  | 1.5 | 3         |
| 86 | Second-Order Differential Accelerators Based on the Geometry of Equilibrium for Thermodynamic Calculations. Part I. Pure Fluids. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 20838-20846.   | 1.8 | 3         |
| 87 | Reference materials for phase equilibrium studies. 1. Liquid-liquid equilibria (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2021, 93, 811-827.  | 0.9 | 3         |
| 88 | Simultaneous Prediction of the Critical and Subcritical Phase Behavior in Mixtures of Perfluoromethane (1)+ $n$ -Alkanes (2). <i>Industrial &amp; Engineering Chemistry Research</i> , 2006, 45, 6765-6769.  | 1.8 | 2         |
| 89 | Comments on Joule-Thomson Inversion Curves and Third Virial Coefficients for Pure Fluids from Molecular-Based Models and Predicted Inversion Curve and Third Virial Coefficients of Carbon Dioxide at High Temperatures. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 6901-6903. | 1.8 | 2         |
| 90 | The additivity of surface and volumetric properties of $\alpha,\beta$ -dihalogenoalkanes. <i>Journal of Chemical Thermodynamics</i> , 2019, 132, 222-228.  | 1.0 | 2         |

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|----|---|-----|-----------|
| 91 | Comparison of CP-PC-SAFT and PC-SAFT with $k_{12} = 0$ and PPR78 in Predicting Binary Systems of Hydrocarbons with Squalane, n-dodecylbenzene, cis-decalin, Tetralin, and Naphthalene at High Pressures. <i>Industrial &amp; Engineering Chemistry Research</i> , 0, , .  | 1.8 | 2         |
| 92 | Interfacial properties of hydrogen-methane system from inhomogeneous fluid theories. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 39719-39727.   | 3.8 | 2         |
| 93 | Surface anomalies in ethanol plus n-octane mixture: An effect of molecular orientations and hydrogen bonds. <i>Journal of Molecular Liquids</i> , 2022, 361, 119630.  | 2.3 | 2         |
| 94 | Comments on "VLE predictions with the Peng-Robinson equation of state and temperature dependent $k_{ij}$ calculated through a group contribution method" by J.-N. Jaubert and F. Mutelet [ <i>Fluid Phase Equilibria</i> , 224 (2004) 285-304]. <i>Fluid Phase Equilibria</i> , 2006, 249, 198-199.                 | 1.4 | 1         |
| 95 | Comments on "Development of a Universal Group Contribution Equation of State. 2. Prediction of Vapor-Liquid Equilibria for Asymmetric Systems" by Jens Ahlers and Jürgen Gmehling [ <i>Ind. Eng. Chem. Res.</i> 2002, 41, 3489-3498]. <i>Industrial &amp; Engineering Chemistry Research</i> , 2002, 41, 6634-6634. | 1.8 | 0         |
| 96 | Effect of size disparity on the gas-liquid interfacial properties of Lennard-Jones monomer plus dimer mixtures. <i>Journal of Molecular Liquids</i> , 2020, 311, 113280.  | 2.3 | 0         |
| 97 | Correlation and Prediction of Interface Tension for Fluid Mixtures: An Approach Based on Cubic Equations of State with the Wong-Sandler Mixing Rule. <i>Journal of Phase Equilibria and Diffusion</i> , 2005, 26, 215-224.  | 0.5 | 0         |