

Andreas Jäger

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

477
citations

759233

12
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

402
citing authors

#	ARTICLE	IF	CITATIONS
1	Algorithm to Identify Vapor-Liquid-Liquid Equilibria of Binary Mixtures from Vapor-Liquid Equilibria. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 2592-2599.	3.7	10
2	Ideal Gas Heat Capacity and Critical Properties of HFE-Type Engineering Fluids: Ab Initio Predictions of $C_{p,ig}$, Modeling of Phase Behavior and Thermodynamic Properties Using Peng-Robinson and Volume-Translated Peng-Robinson Equations of State. <i>International Journal of Thermophysics</i> , 2022, 43, 1.	2.1	3
3	Systematic analysis of additives on the performance parameters of sCO ₂ cycles and their individual effects on the cycle characteristics. <i>Energy</i> , 2022, 252, 123957.	8.8	7
4	Influence of equations of state and mixture models on the design of a refrigeration process. <i>International Journal of Refrigeration</i> , 2021, 121, 193-205.	3.4	10
5	The Representation of Cross Second Virial Coefficients by Multifluid Mixture Models and Other Equations of State. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 9286-9295.	3.7	4
6	Experimental investigation of a novel cascade refrigeration system with a CO ₂ sublimation cycle as the lower stage. <i>International Journal of Refrigeration</i> , 2021, 131, 938-946.	3.4	3
7	Carrier-Fluid Screening for a Three-Phase Sublimation Refrigeration Cycle with CO ₂ Using Reference Equations of State and COSMO-SAC. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 1124-1134.	1.9	3
8	A Benchmark Open-Source Implementation of COSMO-SAC. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 2635-2646.	5.3	74
9	Modification of a model for mixed hydrates to represent double cage occupancy. <i>Fluid Phase Equilibria</i> , 2019, 490, 48-60.	2.5	9
10	A theoretically based departure function for multi-fluid mixture models. <i>Fluid Phase Equilibria</i> , 2018, 469, 56-69.	2.5	12
11	A new approach to model mixed hydrates. <i>Fluid Phase Equilibria</i> , 2018, 459, 170-185.	2.5	12
12	A combination of multi-fluid mixture models with COSMO-SAC. <i>Fluid Phase Equilibria</i> , 2018, 476, 147-156.	2.5	13
13	Model for gas hydrates applied to CCS systems part II. Fitting of parameters for models of hydrates of pure gases. <i>Fluid Phase Equilibria</i> , 2017, 435, 104-117.	2.5	19
14	Calculation of critical points from Helmholtz-energy-explicit mixture models. <i>Fluid Phase Equilibria</i> , 2017, 433, 159-173.	2.5	22
15	Temperature and pressure correlation for volume of gas hydrates with crystal structures sl and sll. <i>EPJ Web of Conferences</i> , 2017, 143, 02141.	0.3	6
16	Helmholtz Energy Transformations of Common Cubic Equations of State for Use with Pure Fluids and Mixtures. <i>Journal of Research of the National Institute of Standards and Technology</i> , 2016, 121, 238.	1.2	36
17	Model for gas hydrates applied to CCS systems part I. Parameter study of the van der Waals and Platteeuw model. <i>Fluid Phase Equilibria</i> , 2016, 427, 268-281.	2.5	23
18	Model for gas hydrates applied to CCS systems part III. Results and implementation in TREND 2.0. <i>Fluid Phase Equilibria</i> , 2016, 429, 55-66.	2.5	22

#	ARTICLE	IF	CITATIONS
19	Calculation of phase equilibria for multi-component mixtures using highly accurate Helmholtz energy equations of state. Fluid Phase Equilibria, 2014, 375, 209-218.	2.5	63
20	Phase equilibria with hydrate formation in H ₂ O+CO ₂ mixtures modeled with reference equations of state. Fluid Phase Equilibria, 2013, 338, 100-113.	2.5	40
21	Accurate Thermodynamic-Property Models for CO ₂ -Rich Mixtures. Energy Procedia, 2013, 37, 2914-2922.	1.8	18
22	Phase equilibria of carbon dioxide and methane gas-hydrates predicted with the modified analytical S-L-V equation of state. EPJ Web of Conferences, 2012, 25, 01098.	0.3	3
23	Equation of State for Solid Carbon Dioxide Based on the Gibbs Free Energy. Journal of Chemical & Engineering Data, 2012, 57, 590-597.	1.9	63