Monika Thol

List of Publications by Year
in descending order

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32	901	516215 16	454577 30
papers	citations	h-index	g-index

34	34	34	479
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermodynamic Properties of Methyl Diethanolamine. International Journal of Thermophysics, 2022, 43, 1.	1.0	4
2	A new model combining Helmholtz energy equations of state with excess Gibbs energy models to describe reactive mixtures. Chemical Engineering Science, 2022, 252, 117261.	1.9	6
3	A Fundamental Equation of State for Chloroethene for Temperatures from the Triple Point to 430ÂK and Pressures to 100ÂMPa. International Journal of Thermophysics, 2022, 43, 1.	1.0	5
4	Combination of Gibbs and Helmholtz Energy Equations of State in a Multiparameter Mixture Model Using the IAPWS Seawater Model as an Example. International Journal of Thermophysics, 2022, 43, 1.	1.0	2
5	How well does the Tang-Toennies potential represent the thermodynamic properties of argon?. Molecular Physics, 2022, 120, .	0.8	2
6	New Equations of State for Binary Hydrogen Mixtures Containing Methane, Nitrogen, Carbon Monoxide, and Carbon Dioxide. Journal of Physical and Chemical Reference Data, 2021, 50, .	1.9	20
7	A fundamental equation of state for the calculation of thermodynamic properties of chlorine. AICHE Journal, 2021, 67, e17326.	1.8	8
8	Speed-of-Sound Measurements and a Fundamental Equation of State for Propylene Glycol. Journal of Physical and Chemical Reference Data, 2021, 50, .	1.9	6
9	Dynamic Viscosity of Binary Fluid Mixtures: A Review Focusing on Asymmetric Mixtures. International Journal of Thermophysics, 2021, 42, 1.	1.0	14
10	Equations of State for the Thermodynamic Properties of n-Perfluorobutane, n-Perfluoropentane, and n-Perfluorohexane. Industrial & Engineering Chemistry Research, 2021, 60, 17207-17227.	1.8	4
11	Equation of State for Solid Benzene Valid for Temperatures up to 470 K and Pressures up to 1800 MPa. Journal of Physical and Chemical Reference Data, 2021, 50, .	1.9	4
12	Fundamental Thermodynamic Models for Mixtures Containing Ammonia. Fluid Phase Equilibria, 2020, 511, 112496.	1.4	8
13	Empirical Fundamental Equations of State for Pure Fluids and Mixtures. , 2020, , 365-407.		9
14	EOS-LNG: A Fundamental Equation of State for the Calculation of Thermodynamic Properties of Liquefied Natural Gases. Journal of Physical and Chemical Reference Data, 2019, 48, .	1.9	34
15	Modified Entropy Scaling of the Transport Properties of the Lennard-Jones Fluid. Journal of Physical Chemistry B, 2019, 123, 6345-6363.	1.2	90
16	Thermodynamic Properties of Dodecamethylpentasiloxane, Tetradecamethylhexasiloxane, and Decamethylcyclopentasiloxane. Industrial & Engineering Chemistry Research, 2019, 58, 9617-9635.	1.8	17
17	Speed of Sound Measurements and a Fundamental Equation of State for Hydrogen Chloride. Journal of Chemical & Engineering Data, 2018, 63, 2533-2547.	1.0	15
18	Molecular Models for the Hydrogen Age: Hydrogen, Nitrogen, Oxygen, Argon, and Water. Journal of Chemical & Engineering Data, 2018, 63, 305-320.	1.0	32

#	Article	IF	Citations
19	A Reference Equation of State for Heavy Water. Journal of Physical and Chemical Reference Data, 2018, 47, .	1.9	44
20	Speed of Sound Measurements and Fundamental Equations of State for Octamethyltrisiloxane and Decamethyltetrasiloxane. Journal of Chemical & Engineering Data, 2017, 62, 2633-2648.	1.0	33
21	Equation of state for 1,2-dichloroethane based on a hybrid data set. Molecular Physics, 2017, 115, 1166-1185.	0.8	13
22	How well does the Lennard-Jones potential represent the thermodynamic properties of noble gases?. Molecular Physics, 2017, 115, 1104-1121.	0.8	59
23	Comparative study of the GrÃ¼neisen parameter for 28 pure fluids. Journal of Chemical Physics, 2016, 144, 244505.	1.2	32
24	Equation of State for the Lennard-Jones Fluid. Journal of Physical and Chemical Reference Data, 2016, 45, .	1.9	133
25	Equation of State for the Thermodynamic Properties of trans-1,3,3,3-Tetrafluoropropene [R-1234ze(E)]. International Journal of Thermophysics, 2016, 37, 1.	1.0	97
26	Thermodynamic Properties of Octamethylcyclotetrasiloxane. Journal of Chemical & Engineering Data, 2016, 61, 2580-2595.	1.0	25
27	Fundamental equation of state correlation for hexamethyldisiloxane based on experimental and molecular simulation data. Fluid Phase Equilibria, 2016, 418, 133-151.	1.4	46
28	The Behavior of IAPWS-95 from 250 to 300 K and Pressures up to 400 MPa: Evaluation Based on Recently Derived Property Data. Journal of Physical and Chemical Reference Data, 2015, 44, .	1.9	15
29	Equation of State for the Lennard-Jones Truncated and Shifted Model Fluid. International Journal of Thermophysics, 2015, 36, 25-43.	1.0	53
30	Fundamental equation of state for ethylene oxide based on a hybrid dataset. Chemical Engineering Science, 2015, 121, 87-99.	1.9	29
31	A New Functional Form for Equations of State for Some Weakly Associating Fluids. International Journal of Thermophysics, 2014, 35, 783-811.	1.0	13
32	Communication: Fundamental equation of state correlation with hybrid data sets. Journal of Chemical Physics, 2013, 139, 041102.	1.2	26