

Sebastian Herrmann

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

251
citations

1040056

9
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

147
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamic Properties of Real Moist Air, Dry Air, Steam, Water, and Ice (RP-1485). HVAC and R Research, 2009, 15, 961-986.	0.6	50
2	Reference Correlation for the Viscosity of Ethane. Journal of Physical and Chemical Reference Data, 2015, 44, .	4.2	36
3	Simultaneous Viscosity and Density Measurements on Ethane and Propane over a Wide Range of Temperature and Pressure Including the Near-Critical Region. Journal of Chemical & Engineering Data, 2011, 56, 1476-1493.	1.9	31
4	Simultaneous Measurements on Helium and Nitrogen with a Newly Designed Viscometer and Densimeter over a Wide Range of Temperature and Pressure. Journal of Chemical & Engineering Data, 2009, 54, 2626-2637.	1.9	30
5	New Formulation for the Viscosity of Propane. Journal of Physical and Chemical Reference Data, 2016, 45, .	4.2	26
6	Properties of Humid Air for Calculating Power Cycles. Journal of Engineering for Gas Turbines and Power, 2010, 132, .	1.1	17
7	A Twenty-First Century Molar Mass for Dry Air. HVAC and R Research, 2008, 14, 655-662.	0.6	15
8	New Formulation for the Viscosity of <i>n</i> -Butane. Journal of Physical and Chemical Reference Data, 2018, 47, .	4.2	13
9	Viscosity and Density of Normal Butane Simultaneously Measured at Temperatures from (298 to 448) K and at Pressures up to 30 MPa Incorporating the Near-Critical Region. Journal of Chemical & Engineering Data, 2015, 60, 3703-3720.	1.9	10
10	Viscosity and density of isobutane measured in wide ranges of temperature and pressure including the near-critical region. AIChE Journal, 2015, 61, 3116-3137.	3.6	10
11	Update: Reference Correlation for the Viscosity of Ethane [J. Phys. Chem. Ref. Data 44, 043101 (2015)]. Journal of Physical and Chemical Reference Data, 2018, 47, 023103.	4.2	6
12	Transport properties of real moist air, dry air, steam, and water. Science and Technology for the Built Environment, 2021, 27, 393-401.	1.7	4
13	New Formulation for the Viscosity of Isobutane. Journal of Physical and Chemical Reference Data, 2018, 47, 043103.	4.2	3
14	Viscosity Measurements on Gaseous Methane: Re-evaluation. International Journal of Thermophysics, 2022, 43, 1.	2.1	0