

# William A Wakeham

## List of Publications by Citations

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197  
papers

8,573  
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44  
h-index

84  
g-index

202  
ext. papers

9,337  
ext. citations

2.6  
avg, IF

5.55  
L-index

#	Paper	IF	Citations
197	Viscosity of liquid water in the range 8 °C to 150 °C. <i>Journal of Physical and Chemical Reference Data</i> , <b>1978</b> , 7, 941-948	4.3	575
196	The Transport Properties of Carbon Dioxide. <i>Journal of Physical and Chemical Reference Data</i> , <b>1990</b> , 19, 763-808	4.3	549
195	The Viscosity of Carbon Dioxide. <i>Journal of Physical and Chemical Reference Data</i> , <b>1998</b> , 27, 31-44	4.3	533
194	Standard Reference Data for the Thermal Conductivity of Water. <i>Journal of Physical and Chemical Reference Data</i> , <b>1995</b> , 24, 1377-1381	4.3	359
193	Reference Data for the Density and Viscosity of Liquid Aluminum and Liquid Iron. <i>Journal of Physical and Chemical Reference Data</i> , <b>2006</b> , 35, 285-300	4.3	304
192	The theory of the Taylor dispersion technique for liquid diffusivity measurements. <i>International Journal of Thermophysics</i> , <b>1980</b> , 1, 243-284	2.1	285
191	Thermal Conductivity of Suspensions of Carbon Nanotubes in Water. <i>International Journal of Thermophysics</i> , <b>2004</b> , 25, 971-985	2.1	262
190	Viscosity of the Noble Gases in the Temperature Range 25-100°C. <i>Journal of Chemical Physics</i> , <b>1972</b> , 56, 4119-4124	3.9	170
189	Reference Data for the Density and Viscosity of Liquid Copper and Liquid Tin. <i>Journal of Physical and Chemical Reference Data</i> , <b>2010</b> , 39, 033105	4.3	158
188	The Viscosity and Density of n-Dodecane and n-Octadecane at Pressures up to 200 MPa and Temperatures up to 473 K. <i>International Journal of Thermophysics</i> , <b>2004</b> , 25, 1339-1352	2.1	154
187	Reference Data for the Density and Viscosity of Liquid Cadmium, Cobalt, Gallium, Indium, Mercury, Silicon, Thallium, and Zinc. <i>Journal of Physical and Chemical Reference Data</i> , <b>2012</b> , 41, 033101	4.3	150
186	Standard Reference Data for the Thermal Conductivity of Liquids. <i>Journal of Physical and Chemical Reference Data</i> , <b>1986</b> , 15, 1073-1086	4.3	136
185	Historical Evolution of the Transient Hot-Wire Technique. <i>International Journal of Thermophysics</i> , <b>2010</b> , 31, 1051-1072	2.1	121
184	The viscosity of five liquid hydrocarbons at pressures up to 250 MPa. <i>International Journal of Thermophysics</i> , <b>1992</b> , 13, 773-790	2.1	117
183	Viscosity and Density of Five Hydrocarbon Liquids at Pressures up to 200 MPa and Temperatures up to 473 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2009</b> , 54, 359-366	2.8	108
182	The theory of a vibrating-rod viscometer. <i>Flow, Turbulence and Combustion</i> , <b>1987</b> , 43, 325-346		92
181	Density and Viscosity Measurements of 2,2,4-Trimethylpentane (Isooctane) from 198 K to 348 K and up to 100 MPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1996</b> , 41, 1488-1494	2.8	90

180	The theory of a vibrating-rod densimeter. <i>Flow, Turbulence and Combustion</i> , <b>1986</b> , 43, 127-158		88
179	Validation of an accurate vibrating-wire densimeter: Density and viscosity of liquids over wide ranges of temperature and pressure. <i>International Journal of Thermophysics</i> , <b>1996</b> , 17, 781-802	2.1	73
178	Reference values of the viscosity of twelve gases at 25°C. <i>Transactions of the Faraday Society</i> , <b>1971</b> , 67, 2308-2313		73
177	Reference Data for the Thermal Conductivity of Saturated Liquid Toluene Over a Wide Range of Temperatures. <i>Journal of Physical and Chemical Reference Data</i> , <b>2000</b> , 29, 133-139	4.3	71
176	Liquid Density and Critical Properties of Hydrocarbons Estimated from Molecular Structure. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2002</b> , 47, 559-570	2.8	66
175	Vibrating-wire viscometers for liquids at high pressures. <i>International Journal of Thermophysics</i> , <b>1992</b> , 13, 593-615	2.1	64
174	Viscosity of the Binary Gaseous Mixture Helium-Nitrogen. <i>Journal of Chemical Physics</i> , <b>1972</b> , 56, 4036-4042		63
173	An apparatus to measure the thermal conductivity of liquids. <i>Journal of Physics E: Scientific Instruments</i> , <b>1976</b> , 9, 1073-1080		62
172	The Viscosity of Nitrogen, Oxygen, and Their Binary Mixtures in the Limit of Zero Density. <i>Journal of Physical and Chemical Reference Data</i> , <b>1985</b> , 14, 209-226	4.3	60
171	Viscosity of the Binary Gaseous Mixtures He/Ne and Ne/N <sub>2</sub> in the Temperature Range 25-100°C. <i>Journal of Chemical Physics</i> , <b>1972</b> , 56, 5837-5842	3.9	60
170	Measurements of the viscosity of benzene, toluene, and m-xylene at pressure up to 80 MPa. <i>International Journal of Thermophysics</i> , <b>1991</b> , 12, 449-457	2.1	59
169	Thermal conductivity of toluene in the temperature range 35-90°C at pressures up to 600 MPa. <i>International Journal of Thermophysics</i> , <b>1983</b> , 4, 311-327	2.1	58
168	Absolute measurements of the thermal conductivity of liquids at pressures up to 500 MPa. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , <b>1981</b> , 85, 340-347		57
167	Benzene: A Further Liquid Thermal Conductivity Standard. <i>Journal of Physical and Chemical Reference Data</i> , <b>1990</b> , 19, 113-117	4.3	56
166	Effect of pressure on the viscosity of aqueous sodium chloride solutions in the temperature range 20-150.degree.C. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1978</b> , 23, 328-336	2.8	54
165	Application of the Transient Hot-Wire Technique to the Measurement of the Thermal Conductivity of Solids. <i>International Journal of Thermophysics</i> , <b>2002</b> , 23, 615-633	2.1	52
164	Diffusion through Multiperforate Laminae. <i>Industrial &amp; Engineering Chemistry Fundamentals</i> , <b>1979</b> , 18, 301-305		52
163	An essentially exact evaluation of transport cross-sections for a model of the helium-nitrogen interaction. <i>Molecular Physics</i> , <b>1987</b> , 61, 359-387	1.7	50

162	The transport properties of ethane. I. Viscosity. <i>International Journal of Thermophysics</i> , <b>1994</b> , 15, 1-31	2.1	49
161	Electromechanical model for vibrating-wire instruments. <i>Review of Scientific Instruments</i> , <b>1998</b> , 69, 2392-2399		47
160	The prediction of the viscosity of dense gas mixtures. <i>International Journal of Thermophysics</i> , <b>1989</b> , 10, 125-132	2.1	47
159	The Viscosity of Carbon Dioxide, Methane, and Sulfur Hexafluoride in the Limit of Zero Density. <i>Journal of Physical and Chemical Reference Data</i> , <b>1987</b> , 16, 175-187	4.3	47
158	The Viscosity and Thermal Conductivity of Normal Hydrogen in the Limit of Zero Density. <i>Journal of Physical and Chemical Reference Data</i> , <b>1986</b> , 15, 1315-1322	4.3	46
157	A transient hot-wire instrument for thermal conductivity measurements in electrically conducting liquids at elevated temperatures. <i>International Journal of Thermophysics</i> , <b>1982</b> , 3, 225-235	2.1	46
156	XML-based IUPAC standard for experimental, predicted, and critically evaluated thermodynamic property data storage and capture (ThermoML) (IUPAC Recommendations 2006). <i>Pure and Applied Chemistry</i> , <b>2006</b> , 78, 541-612	2.1	45
155	Mutual diffusion coefficients for binary mixtures of normal alkanes. <i>International Journal of Thermophysics</i> , <b>1982</b> , 3, 307-323	2.1	45
154	Validation of a Vibrating-Wire Viscometer: Measurements in the Range of 0.5 to 135 mPa $\cdot$ s. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2005</b> , 50, 201-205	2.8	44
153	New Measurements of the Apparent Thermal Conductivity of Nanofluids and Investigation of Their Heat Transfer Capabilities. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2017</b> , 62, 491-507	2.8	43
152	The thermal conductivity of n-hexane, n-heptane, and n-decane by the transient hot-wire method. <i>International Journal of Thermophysics</i> , <b>1987</b> , 8, 663-670	2.1	43
151	Density and Viscosity Measurements of 1,1,1,2-Tetrafluoroethane (HFC-134a) from 199 K to 298 K and up to 100 MPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1996</b> , 41, 731-735	2.8	42
150	The viscosity of liquid R134a. <i>International Journal of Thermophysics</i> , <b>1993</b> , 14, 33-44	2.1	42
149	An Industrial Reference Fluid for Moderately High Viscosity. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2008</b> , 53, 2003-2011	2.8	41
148	Absolute measurements of the thermal conductivity of mixtures of alcohols with water. <i>International Journal of Thermophysics</i> , <b>1989</b> , 10, 793-803	2.1	41
147	The viscosity of R32 and R125 at saturation. <i>International Journal of Thermophysics</i> , <b>1993</b> , 14, 1131-1143	2.1	40
146	The Thermal Conductivity of Nitrogen and Carbon Monoxide in the Limit of Zero Density. <i>Journal of Physical and Chemical Reference Data</i> , <b>1989</b> , 18, 565-581	4.3	40
145	The viscosity of five gaseous hydrocarbons. <i>Journal of Chemical Physics</i> , <b>1977</b> , 66, 1132-1134	3.9	40

144	Thermal conductivity of aqueous sodium chloride solutions. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1994</b> , 39, 186-190	2.8	39
143	Viscosity Measurements of the Ionic Liquid Trihexyl(tetradecyl)phosphonium Dicyanamide [P6,6,6,14][dca] Using the Vibrating Wire Technique. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2012</b> , 57, 1015-1025	2.8	38
142	Necessary Conditions for Accurate, Transient Hot-Wire Measurements of the Apparent Thermal Conductivity of Nanofluids are Seldom Satisfied. <i>International Journal of Thermophysics</i> , <b>2016</b> , 37, 1	2.1	37
141	Thermal conductivity of five hydrocarbons along the saturation line. <i>International Journal of Thermophysics</i> , <b>1983</b> , 4, 193-208	2.1	37
140	An absolute vibrating-wire viscometer for liquids at high pressures. <i>International Journal of Thermophysics</i> , <b>1991</b> , 12, 231-244	2.1	36
139	Quantum mechanical calculations of effective collision cross-sections for He-N <sub>2</sub> interaction. <i>Molecular Physics</i> , <b>1991</b> , 72, 1347-1364	1.7	36
138	The transport coefficients of polyatomic liquids. <i>International Journal of Thermophysics</i> , <b>1986</b> , 7, 273-284	2.1	36
137	The Thermal Conductivity of n-Hexane and n-Octane at Pressures up to 0.64 GPa in the Temperature Range 349-400°C. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , <b>1984</b> , 88, 32-36		36
136	The Apparent Thermal Conductivity of Liquids Containing Solid Particles of Nanometer Dimensions: A Critique. <i>International Journal of Thermophysics</i> , <b>2015</b> , 36, 1367-1395	2.1	35
135	New Measurements of the Viscosity of Diisodecyl Phthalate Using a Vibrating Wire Technique. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2005</b> , 50, 1875-1878	2.8	35
134	Measurements of the viscosity of R11, R12, R141b, and R152a in the temperature range 270-340 K at pressures up to 20 MPa. <i>International Journal of Thermophysics</i> , <b>1994</b> , 15, 575-589	2.1	35
133	Thermal diffusivity measurement by the transient hot-wire technique: A reappraisal. <i>International Journal of Thermophysics</i> , <b>1988</b> , 9, 293-316	2.1	35
132	Viscosity of Di-isodecylphthalate: A Potential Standard of Moderate Viscosity. <i>International Journal of Thermophysics</i> , <b>2004</b> , 25, 1311-1322	2.1	34
131	Prediction of the viscosity of dense fluid mixtures. <i>Molecular Physics</i> , <b>2003</b> , 101, 339-352	1.7	34
130	A Vibrating Edge Supported Plate, Fabricated by the Methods of Micro Electro Mechanical System for the Simultaneous Measurement of Density and Viscosity: Results for Methylbenzene and Octane at Temperatures between (323 and 423) K and Pressures in the Range (0.1 to 68) MPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 190-208	2.8	33
129	Estimation of normal boiling points of hydrocarbons from descriptors of molecular structure. <i>Fluid Phase Equilibria</i> , <b>1999</b> , 163, 21-42	2.5	33
128	The transport properties of ethane. II. Thermal conductivity. <i>International Journal of Thermophysics</i> , <b>1994</b> , 15, 33-66	2.1	33
127	The Thermal Conductivity of Argon, Nitrogen and Carbon Monoxide in the Temperature Range 300-430 K at Pressures up to 10 MPa. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , <b>1983</b> , 87, 657-663		33

- 126 Metrology of Viscosity: Have We Learned Enough? *Journal of Chemical & Engineering Data*, **2009**, 54, 171-178 2.8 31
- 125 Viscosity of the Binary Gaseous Mixture Neon-Krypton. *Journal of Chemical Physics*, **1972**, 56, 4086-4091 3.9 31
- 124 Viscosity Measurements of Liquid Toluene at Low Temperatures Using a Dual Vibrating-Wire Technique. *International Journal of Thermophysics*, **2004**, 25, 1-11 2.1 30
- 123 Thermal Conductivity of Liquid Tin and Indium. *International Journal of Thermophysics*, **2001**, 22, 395-403 2.1 30
- 122 The Viscosity of Ammonia. *Journal of Physical and Chemical Reference Data*, **1995**, 24, 1649-1667 4.3 30
- 121 A vibrating-wire densimeter for measurements in fluids at high pressures. *International Journal of Thermophysics*, **1991**, 12, 357-370 2.1 30
- 120 A Vibrating-Wire Viscometer for Dilute and Dense Gases. *International Journal of Thermophysics*, **1998**, 19, 391-401 2.1 29
- 119 The Transient Hot-Wire Technique: A Numerical Approach. *International Journal of Thermophysics*, **1998**, 19, 379-389 2.1 29
- 118 Absolute measurements of the thermal conductivity of mixtures of alkene-glycols with water. *International Journal of Thermophysics*, **1989**, 10, 1127-1140 2.1 29
- 117 The Thermal Conductivity of n-Nonane and n-Undecane at Pressures up to 500 MPa in the Temperature Range 350-500°C. *Zeitschrift Fur Elektrotechnik Und Elektrochemie*, **1982**, 86, 541-545 2.9
- 116 Viscosity measurements of three ionic liquids using the vibrating wire technique. *Fluid Phase Equilibria*, **2013**, 353, 76-86 2.5 28
- 115 NUMERICAL SOLUTION OF THE ISOTHERMAL, ISOBARIC PHASE EQUILIBRIUM PROBLEM. *Reviews in Chemical Engineering*, **2004**, 20, 1-56 5 28
- 114 Viscosity of Carbon Dioxide in the Temperature Range 25-100°C. *Journal of Chemical Physics*, **1972**, 56, 4114-4118 3.9 28
- 113 Second and third interaction virial coefficients of the (methane+propane) system determined from the speed of sound. *International Journal of Thermophysics*, **1996**, 17, 35-42 2.1 27
- 112 A vibrating-wire densimeter for liquids at high pressures: The density of 2,2,4-trimethylpentane from 298.15 to 348.15 K and up to 100 MPa. *International Journal of Thermophysics*, **1994**, 15, 229-243 2.1 27
- 111 A computer-controlled instrument for the measurement of the thermal conductivity of liquids. *International Journal of Thermophysics*, **1987**, 8, 511-519 2.1 27
- 110 Calculation of the Influence of Density on the Thermal Conductivity of Gaseous Mixtures. *Zeitschrift Fur Elektrotechnik Und Elektrochemie*, **1980**, 84, 762-769 2.7
- 109 The Viscosity of Carbon-Monoxide and its Mixtures with Other Gases in the Temperature Range 25-100°C. *Zeitschrift Fur Elektrotechnik Und Elektrochemie*, **1982**, 86, 753-760 2.7

108	Simultaneous Measurement of the Density and Viscosity of Compressed Liquid Toluene. <i>International Journal of Thermophysics</i> , <b>2003</b> , 24, 323-336	2.1	26
107	The viscosity of liquid carbon dioxide. <i>International Journal of Thermophysics</i> , <b>1994</b> , 15, 767-777	2.1	26
106	Thermal conductivity of R32 and R125 in the liquid phase at the saturation vapor pressure. <i>International Journal of Thermophysics</i> , <b>1993</b> , 14, 1215-1220	2.1	26
105	Preliminary data on the pressure effect on the viscosity of sodium chloride-water solutions in the range 10-40.degree.C. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1977</b> , 22, 207-214	2.8	26
104	Viscosity Measurements on Ionic Liquids: A Cautionary Tale. <i>International Journal of Thermophysics</i> , <b>2014</b> , 35, 1615-1635	2.1	25
103	Thermal conductivity of R134a and R141b within the temperature range 240-307 K at the saturation vapor pressure. <i>International Journal of Thermophysics</i> , <b>1993</b> , 14, 173-181	2.1	25
102	The Thermal Conductivity of Methane and Tetrafluoromethane in the Limit of Zero Density. <i>Journal of Physical and Chemical Reference Data</i> , <b>1990</b> , 19, 1137-1147	4.3	25
101	New global communication process in thermodynamics: impact on quality of published experimental data. <i>Journal of Chemical Information and Modeling</i> , <b>2006</b> , 46, 2487-93	6.1	24
100	ThermoML: An XML-Based Approach for Storage and Exchange of Experimental and Critically Evaluated Thermophysical and Thermochemical Property Data. 3. Critically Evaluated Data, Predicted Data, and Equation Representation. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2004</b> , 49, 381-393	2.8	24
99	A powerful algorithm for liquid-liquid-liquid equilibria predictions and calculations. <i>Chemical Engineering Science</i> , <b>2000</b> , 55, 2121-2129	4.4	24
98	Transient hot-wire measurements of the thermal conductivity of gases at elevated temperatures. <i>International Journal of Thermophysics</i> , <b>1986</b> , 7, 245-258	2.1	24
97	Thermal conductivity of argon in the temperature range 107 to 423 K. <i>International Journal of Thermophysics</i> , <b>1986</b> , 7, 259-272	2.1	24
96	Thermal conductivity of benzene and cyclohexane in the temperature range 36-300°C at pressures up to 0.33 GPa. <i>International Journal of Thermophysics</i> , <b>1984</b> , 5, 351-365	2.1	23
95	The viscosity of three polar gases. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , <b>1979</b> , 83, 573-576		23
94	Viscosity of multicomponent mixtures of four complex gases. <i>Journal of Chemical Physics</i> , <b>1976</b> , 65, 5186-5188		23
93	Potential applications of nanofluids for heat transfer. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 138, 597-607	4.9	22
92	Diisodecylphthalate (DIDP) – potential standard of moderate viscosity: Surface tension measurements and water content effect on viscosity. <i>Fluid Phase Equilibria</i> , <b>2006</b> , 245, 1-5	2.5	22
91	Measurements of the thermal conductivity of R11 and R12 in the temperature range 250-340 K at pressures up to 30 MPa. <i>International Journal of Thermophysics</i> , <b>1992</b> , 13, 735-751	2.1	22



90	Thermal conductivity of liquids: Prediction based on a group-contribution scheme. <i>International Journal of Thermophysics</i> , <b>1989</b> , 10, 779-791	2.1	22
89	Thermal conductivity of normal pentane in the temperature range 306–60 K at pressures up to 0.5 GPa. <i>International Journal of Thermophysics</i> , <b>1987</b> , 8, 305-315	2.1	22
88	Absolute Measurement of the Thermal Conductivity of Electrically Conducting Liquids. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , <b>1988</b> , 92, 627-631		22
87	Thermophysical Property Measurements: The Journey from Accuracy to Fitness for Purpose. <i>International Journal of Thermophysics</i> , <b>2007</b> , 28, 372-416	2.1	21
86	A Vibrating Plate Fabricated by the Methods of Microelectromechanical Systems (MEMS) for the Simultaneous Measurement of Density and Viscosity: Results for Argon at Temperatures Between 323 and 423K at Pressures up to 68 MPa. <i>International Journal of Thermophysics</i> , <b>2006</b> , 27, 1650-1676	2.1	21
85	Quantum mechanical calculation of generalized collision cross-sections for the He-N <sub>2</sub> interaction. Part II. Thermomagnetic effect. <i>Molecular Physics</i> , <b>1995</b> , 84, 553-576	1.7	21
84	Higher-order approximation to the thermal conductivity of monatomic gas mixtures. <i>International Journal of Thermophysics</i> , <b>1980</b> , 1, 7-32	2.1	21
83	Thermal conductivity of n-tridecane at pressures up to 500 MPa in the temperature range 35–75°C. <i>International Journal of Thermophysics</i> , <b>1982</b> , 3, 217-224	2.1	21
82	Phase Equilibrium Calculations for Chemically Reacting Systems. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1997</b> , 36, 5474-5482	3.9	20
81	The thermal conductivity of toluene and water. <i>International Journal of Thermophysics</i> , <b>1993</b> , 14, 1119-1130	2.0	20
80	In Pursuit of a High-Temperature, High-Pressure, High-Viscosity Standard: The Case of Tris(2-ethylhexyl) Trimellitate. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2017</b> , 62, 2884-2895	2.8	18
79	Thermal conductivity of liquid mixtures of benzene and 2,2,4-trimethylpentane at pressures up to 350 MPa. <i>International Journal of Thermophysics</i> , <b>1994</b> , 15, 117-139	2.1	18
78	Compression work using the transient hot-wire method. <i>International Journal of Thermophysics</i> , <b>1992</b> , 13, 223-235	2.1	18
77	Mutual Diffusion Coefficients of Aqueous KCl at High Pressures Measured by the Taylor Dispersion Method. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 4840-4848	2.8	17
76	Transport cross-sections for polyatomic gases. <i>International Reviews in Physical Chemistry</i> , <b>1992</b> , 11, 161-194		17
75	Thermal conductivity and thermal diffusivity of xylene isomers in the temperature range 308–60 K at pressures up to 0.38 GPa. <i>International Journal of Thermophysics</i> , <b>1988</b> , 9, 21-35	2.1	17
74	Thermal Conductivity of Mixtures of Hydrogen and Helium at 27.5°C and Pressures up to 14 MPa. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , <b>1980</b> , 84, 18-23		17
73	Diffusion coefficients for protein molecules in blood serum. <i>Atherosclerosis</i> , <b>1976</b> , 25, 225-35	3.1	17



72	Thermal conductivity of multicomponent polyatomic dilute gas mixtures. <i>International Journal of Thermophysics</i> , <b>1997</b> , 18, 925-938	2.1	16
71	The viscosity of liquid water at pressures up to 32 MPa. <i>International Journal of Thermophysics</i> , <b>1993</b> , 14, 795-803	2.1	16
70	Tris(2-ethylhexyl) trimellitate (TOTM) as a potential industrial reference fluid for viscosity at high temperatures and high pressures: New viscosity, density and surface tension measurements. <i>Fluid Phase Equilibria</i> , <b>2016</b> , 418, 192-197	2.5	15
69	The Thermal Conductivity of Hydrogen, Deuterium and Their Mixtures Near Room Temperature within the Pressure Range 2 ? 36 MPa. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , <b>1980</b> , 84, 9-18		15
68	The viscosity and thermal conductivity of ethane in the limit of zero density. <i>International Journal of Thermophysics</i> , <b>1991</b> , 12, 999-1012	2.1	14
67	The thermal conductivity of liquid mixtures at elevated pressures. <i>International Journal of Thermophysics</i> , <b>1989</b> , 10, 1041-1051	2.1	14
66	The Viscosity of Mixtures of Hydrogen with Three Noble Gases. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , <b>1981</b> , 85, 385-388		14
65	The thermal conductivity of binary mixtures of helium and methane at 27.5 °C and pressures up to 13 MPa. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , <b>1981</b> , 85, 215-220		14
64	Extension of ThermoML: The IUPAC standard for thermodynamic data communications (IUPAC Recommendations 2011). <i>Pure and Applied Chemistry</i> , <b>2011</b> , 83, 1937-1969	2.1	13
63	Thermal Conductivity of Molten Lead-Free Solders. <i>International Journal of Thermophysics</i> , <b>2006</b> , 27, 92-102	2.1	13
62	A Rigorous Mathematical Proof of the Area Method for Phase Stability. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1998</b> , 37, 1483-1489	3.9	13
61	Theoretically based data assessment for the correlation of the thermal conductivity of dilute gases. <i>International Journal of Thermophysics</i> , <b>1989</b> , 10, 805-818	2.1	13
60	Diffusion coefficient measurements by the chromatographic method. <i>Faraday Symposia of the Chemical Society</i> , <b>1980</b> , 15, 145		13
59	A vibrating-rod densimeter. <i>International Journal of Thermophysics</i> , <b>1989</b> , 10, 871-883	2.1	12
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