

William A Wakeham

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

197
papers

8,573
citations

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	Thermal Conductivity of Ionic Liquids and IoNanofluids. Can Molecular Theory Help?. <i>Fluids</i> , 2021 , 6, 116	1.6	2
196	The Torsional Quartz-Crystal Viscometer. <i>International Journal of Thermophysics</i> , 2021 , 42, 1	2.1	1
195	Comments on "Can the Temperature Dependence of the Heat Transfer Coefficient of the Wire-Nanofluid Interface Explain the Anomalous Thermal Conductivity of Nanofluids Measured by the Hot-Wire Method?" <i>International Journal of Thermophysics</i> , 2019 , 40, 1	2.1	2
194	Potential applications of nanofluids for heat transfer. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 138, 597-607	4.9	22
193	Reference Correlations for the Viscosity of 13 Inorganic Molten Salts. <i>Journal of Physical and Chemical Reference Data</i> , 2019 , 48, 013101	4.3	4
192	Density and Rheology of Tris(2-ethylhexyl) Trimellitate (TOTM). <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 459-462	2.8	5
191	Reference Correlations for the Thermal Conductivity of 13 Inorganic Molten Salts. <i>Journal of Physical and Chemical Reference Data</i> , 2018 , 47,	4.3	11
190	Correction to "New Measurements of the Apparent Thermal Conductivity of Nanofluids and Investigation of Their Heat Transfer Capabilities" <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 4277-4279	2.8	4
189	In Pursuit of a High-Temperature, High-Pressure, High-Viscosity Standard: The Case of Tris(2-ethylhexyl) Trimellitate. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 2884-2895	2.8	18
188	Reference Correlations for the Thermal Conductivity of Liquid Bismuth, Cobalt, Germanium and Silicon. <i>Journal of Physical and Chemical Reference Data</i> , 2017 , 46,	4.3	11
187	New Measurements of the Apparent Thermal Conductivity of Nanofluids and Investigation of Their Heat Transfer Capabilities. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 491-507	2.8	43
186	The life and career of Kenneth Neil Marsh. <i>Journal of Chemical Thermodynamics</i> , 2017 , 104, 288-289	2.9	1
185	Reference correlations for the thermal conductivity of liquid copper, gallium, indium, iron, lead, nickel and tin. <i>High Temperatures - High Pressures</i> , 2017 , 46, 391-416	1.3	2
184	Necessary Conditions for Accurate, Transient Hot-Wire Measurements of the Apparent Thermal Conductivity of Nanofluids are Seldom Satisfied. <i>International Journal of Thermophysics</i> , 2016 , 37, 1	2.1	37
183	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> , 2016 , 418, 192-197	2.5	15
182	The Apparent Thermal Conductivity of Liquids Containing Solid Particles of Nanometer Dimensions: A Critique. <i>International Journal of Thermophysics</i> , 2015 , 36, 1367-1395	2.1	35
181	Measurements of the Viscosity of Krytox GPL102 Oil in the Temperature Range (282 to 364) K and up to 20 MPa. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 3539-3544	2.8	7

180	Viscosity Measurements on Ionic Liquids: A Cautionary Tale. <i>International Journal of Thermophysics</i> , 2014 , 35, 1615-1635	2.1	25
179	Viscosity measurements of three ionic liquids using the vibrating wire technique. <i>Fluid Phase Equilibria</i> , 2013 , 353, 76-86	2.5	28
178	Viscosity Measurements of the Ionic Liquid Trihexyl(tetradecyl)phosphonium Dicyanamide [P6,6,6,14][dca] Using the Vibrating Wire Technique. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 1015-1025	2.8	38
177	Reference Correlation for the Density and Viscosity of Eutectic Liquid Alloys Al+Si, Pb+Bi, and Pb+Sn. <i>Journal of Physical and Chemical Reference Data</i> , 2012 , 41, 033103	4.3	8
176	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> , 2012 , 41, 033101	4.3	150
175	Extension of ThermoML: The IUPAC standard for thermodynamic data communications (IUPAC Recommendations 2011). <i>Pure and Applied Chemistry</i> , 2011 , 83, 1937-1969	2.1	13
174	Mutual Diffusion Coefficients of Aqueous KCl at High Pressures Measured by the Taylor Dispersion Method. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 4840-4848	2.8	17
173	ThermoML: an XML-Based Approach for Storage and Exchange of Experimental and Critically Evaluated Thermophysical and Thermochemical Property Data. 5. Speciation and Complex Equilibria. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 307-316	2.8	5
172	Reference Data for the Density and Viscosity of Liquid Copper and Liquid Tin. <i>Journal of Physical and Chemical Reference Data</i> , 2010 , 39, 033105	4.3	158
171	Thermal Conductivity of Aqueous Mixtures of 2-n-Butoxyethanol at Pressures up to 150 MPa. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 4499-4506	2.8	3
170	ThermoML: An XML-Based Approach for Storage and Exchange of Experimental and Critically Evaluated Thermophysical and Thermochemical Property Data. 4. Biomaterials. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1564-1572	2.8	8
169	Historical Evolution of the Transient Hot-Wire Technique. <i>International Journal of Thermophysics</i> , 2010 , 31, 1051-1072	2.1	121
168	Viscosity and Density of Five Hydrocarbon Liquids at Pressures up to 200 MPa and Temperatures up to 473 K. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 359-366	2.8	108
167	Metrology of Viscosity: Have We Learned Enough? <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 171-178	2.8	31
166	An Industrial Reference Fluid for Moderately High Viscosity. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 2003-2011	2.8	41
165	Measurements of the Thermal Conductivity of Molten Lead Using a New Transient Hot-Wire Sensor. <i>International Journal of Thermophysics</i> , 2007 , 28, 496-505	2.1	9
164	Thermophysical Property Measurements: The Journey from Accuracy to Fitness for Purpose. <i>International Journal of Thermophysics</i> , 2007 , 28, 372-416	2.1	21
163	New global communication process in thermodynamics: impact on quality of published experimental data. <i>Journal of Chemical Information and Modeling</i> , 2006 , 46, 2487-93	6.1	24

162	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 & Engineering Data</i> , 2006 , 51, 190-208	2.8	33
161	Reference Data for the Density and Viscosity of Liquid Aluminum and Liquid Iron. <i>Journal of Physical and Chemical Reference Data</i> , 2006 , 35, 285-300	4.3	304
160	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> , 2006 , 78, 541-612	2.1	45
159	Diisodecylphthalate (DIDP) potential standard of moderate viscosity: Surface tension measurements and water content effect on viscosity. <i>Fluid Phase Equilibria</i> , 2006 , 245, 1-5	2.5	22
158	A Novel Instrument for the Measurement of the Thermal Conductivity of Molten Metals. Part I: Instrument Description. <i>International Journal of Thermophysics</i> , 2006 , 27, 353-375	2.1	11
157	The Viscosity of Organic Liquid Mixtures. <i>International Journal of Thermophysics</i> , 2006 , 27, 48-65	2.1	2
156	Thermal Conductivity of Molten Lead-Free Solders. <i>International Journal of Thermophysics</i> , 2006 , 27, 92-102	2.1	13
155	A Novel Instrument for the Measurement of the Thermal Conductivity of Molten Metals. Part II: Measurements. <i>International Journal of Thermophysics</i> , 2006 , 27, 681-698	2.1	8
154	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> , 2006 , 27, 1650-1676	2.1	21
153	Transversely Oscillating MEMS Viscometer: The Spider. <i>International Journal of Thermophysics</i> , 2006 , 27, 1677-1695	2.1	10
152	Repeatability and Refinement of a Transient Hot-Wire Instrument for Measuring the Thermal Conductivity of High-Temperature Melts. <i>International Journal of Thermophysics</i> , 2006 , 27, 1626-1637	2.1	9
151	New Measurements of the Viscosity of Diisodecyl Phthalate Using a Vibrating Wire Technique. <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 1875-1878	2.8	35
150	Validation of a Vibrating-Wire Viscometer: Measurements in the Range of 0.5 to 135 mPa. <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 201-205	2.8	44
149	NUMERICAL SOLUTION OF THE ISOTHERMAL, ISOBARIC PHASE EQUILIBRIUM PROBLEM. <i>Reviews in Chemical Engineering</i> , 2004 , 20, 1-56	5	28
148	Viscosity Measurements of Liquid Toluene at Low Temperatures Using a Dual Vibrating-Wire Technique. <i>International Journal of Thermophysics</i> , 2004 , 25, 1-11	2.1	30
147	Thermal Conductivity of Suspensions of Carbon Nanotubes in Water. <i>International Journal of Thermophysics</i> , 2004 , 25, 971-985	2.1	262
146	Viscosity of Di-isodecylphthalate: A Potential Standard of Moderate Viscosity. <i>International Journal of Thermophysics</i> , 2004 , 25, 1311-1322	2.1	34
145	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> , 2004 , 25, 1339-1352	2.1	154

144	ThermoML: An XML-Based Approach for Storage and Exchange of Experimentally Evaluated Thermophysical and Thermochemical Property Data. 3. Critically Evaluated Data, Predicted Data, and Equation Representation. <i>Journal of Chemical & Engineering Data</i> , 2004 , 49, 381-393	2.8	24
143	Simultaneous Measurement of the Density and Viscosity of Compressed Liquid Toluene. <i>International Journal of Thermophysics</i> , 2003 , 24, 323-336	2.1	26
142	Towards the viscosity of refrigerant/oil mixtures. <i>Fluid Phase Equilibria</i> , 2003 , 210, 5-19	2.5	6
141	Prediction of the viscosity of dense fluid mixtures. <i>Molecular Physics</i> , 2003 , 101, 339-352	1.7	34
140	Application of the Transient Hot-Wire Technique to the Measurement of the Thermal Conductivity of Solids. <i>International Journal of Thermophysics</i> , 2002 , 23, 615-633	2.1	52
139	Liquid Density and Critical Properties of Hydrocarbons Estimated from Molecular Structure. <i>Journal of Chemical & Engineering Data</i> , 2002 , 47, 559-570	2.8	66
138	Consequences of property errors on the design of distillation columns. <i>Fluid Phase Equilibria</i> , 2001 , 185, 1-12	2.5	10
137	Thermal Conductivity of Liquid Tin and Indium. <i>International Journal of Thermophysics</i> , 2001 , 22, 395-403	2.1	30
136	Prediction of the Viscosity of Liquid Mixtures. <i>International Journal of Thermophysics</i> , 2001 , 22, 1727-1737	2.1	8
135	A powerful algorithm for liquid-liquid-liquid equilibria predictions and calculations. <i>Chemical Engineering Science</i> , 2000 , 55, 2121-2129	4.4	24
134	Prediction of the Viscosity of Liquid Mixtures: An Improved Approach. <i>International Journal of Thermophysics</i> , 2000 , 21, 357-365	2.1	9
133	Transport Property Measurements on the IUPAC Sample of 1,1,1,2-Tetrafluoroethane (R134a). <i>International Journal of Thermophysics</i> , 2000 , 21, 1-22	2.1	8
132	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> , 2000 , 29, 133-139	4.3	71
131	Rebuttal to the Comments by Paul I. Barton and Chyi Hwang in "No Connection between the AREA Criterion and Phase Stability Has Been Established" in the Paper "A Rigorous Mathematical Proof of the Area Method for Phase Stability". <i>Industrial & Engineering Chemistry Research</i> , 2000 , 39, 3399-3399	3.9	2
130	Estimation of normal boiling points of hydrocarbons from descriptors of molecular structure. <i>Fluid Phase Equilibria</i> , 1999 , 163, 21-42	2.5	33
129	Vapor-Phase Thermal Conductivity Measurements of Refrigerants. <i>International Journal of Thermophysics</i> , 1999 , 20, 45-54	2.1	2
128	Viscosity of R134a, R32, And R125 at Saturation. <i>International Journal of Thermophysics</i> , 1999 , 20, 365-373	2.1	9
127	A Vibrating-Wire Viscometer for Dilute and Dense Gases. <i>International Journal of Thermophysics</i> , 1998 , 19, 391-401	2.1	29

- 126 The Transient Hot-Wire Technique: A Numerical Approach. *International Journal of Thermophysics*, **1998**, 19, 379-389 2.1 29
- 125 Electromechanical model for vibrating-wire instruments. *Review of Scientific Instruments*, **1998**, 69, 2392-2399 4.7 47
- 124 The Viscosity of Carbon Dioxide. *Journal of Physical and Chemical Reference Data*, **1998**, 27, 31-44 4.3 533
- 123 A Rigorous Mathematical Proof of the Area Method for Phase Stability. *Industrial & Engineering Chemistry Research*, **1998**, 37, 1483-1489 3.9 13
- 122 Phase Equilibrium Calculations for Chemically Reacting Systems. *Industrial & Engineering Chemistry Research*, **1997**, 36, 5474-5482 3.9 20
- 121 Toward standard reference values for the thermal conductivity of high-temperature melts. *International Journal of Thermophysics*, **1997**, 18, 439-446 2.1 7
- 120 Thermal conductivity of multicomponent polyatomic dilute gas mixtures. *International Journal of Thermophysics*, **1997**, 18, 925-938 2.1 16
- 119 Density and Viscosity Measurements of 1,1,1,2-Tetrafluoroethane (HFC-134a) from 199 K to 298 K and up to 100 MPa. *Journal of Chemical & Engineering Data*, **1996**, 41, 731-735 2.8 42
- 118 Density and Viscosity Measurements of 2,2,4-Trimethylpentane (Isooctane) from 198 K to 348 K and up to 100 MPa. *Journal of Chemical & Engineering Data*, **1996**, 41, 1488-1494 2.8 90
- 117 Validation of an accurate vibrating-wire densimeter: Density and viscosity of liquids over wide ranges of temperature and pressure. *International Journal of Thermophysics*, **1996**, 17, 781-802 2.1 73
- 116 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
- 115 Quantum mechanical calculation of generalized collision cross-sections for the He-N₂ interaction. Part II. Thermomagnetic effect. *Molecular Physics*, **1995**, 84, 553-576 1.7 21
- 114 Standard Reference Data for the Thermal Conductivity of Water. *Journal of Physical and Chemical Reference Data*, **1995**, 24, 1377-1381 4.3 359
- 113 The Viscosity of Ammonia. *Journal of Physical and Chemical Reference Data*, **1995**, 24, 1649-1667 4.3 30
- 112 Measurements of the viscosity of R11, R12, R141b, and R152a in the temperature range 270-340 K at pressures up to 20 MPa. *International Journal of Thermophysics*, **1994**, 15, 575-589 2.1 35
- 111 The transport properties of ethane. I. Viscosity. *International Journal of Thermophysics*, **1994**, 15, 1-31 2.1 49
- 110 The transport properties of ethane. II. Thermal conductivity. *International Journal of Thermophysics*, **1994**, 15, 33-66 2.1 33
- 109 Thermal conductivity of liquid mixtures of benzene and 2,2,4-trimethylpentane at pressures up to 350 MPa. *International Journal of Thermophysics*, **1994**, 15, 117-139 2.1 18

108	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. <i>International Journal of Thermophysics</i> , 1994 , 15, 229-243	2.1	27
107	The viscosity of liquid carbon dioxide. <i>International Journal of Thermophysics</i> , 1994 , 15, 767-777	2.1	26
106	Thermal conductivity of aqueous sodium chloride solutions. <i>Journal of Chemical & Engineering Data</i> , 1994 , 39, 186-190	2.8	39
105	The viscosity of liquid water at pressures up to 32 MPa. <i>International Journal of Thermophysics</i> , 1993 , 14, 795-803	2.1	16
104	Thermal conductivity of R134a and R141b within the temperature range 240-307 K at the saturation vapor pressure. <i>International Journal of Thermophysics</i> , 1993 , 14, 173-181	2.1	25
103	The viscosity of liquid R134a. <i>International Journal of Thermophysics</i> , 1993 , 14, 33-44	2.1	42
102	The thermal conductivity of toluene and water. <i>International Journal of Thermophysics</i> , 1993 , 14, 1119-1130	2.1	20
101	The viscosity of R32 and R125 at saturation. <i>International Journal of Thermophysics</i> , 1993 , 14, 1131-1143	2.1	40
100	Thermal conductivity of R32 and R125 in the liquid phase at the saturation vapor pressure. <i>International Journal of Thermophysics</i> , 1993 , 14, 1215-1220	2.1	26
99	The thermal conductivity of toluene and water 1993 , 14, 1119		2
98	Transport cross-sections for polyatomic gases. <i>International Reviews in Physical Chemistry</i> , 1992 , 11, 161-194		17
97	Vibrating-wire viscometers for liquids at high pressures. <i>International Journal of Thermophysics</i> , 1992 , 13, 593-615	2.1	64
96	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> , 1992 , 13, 735-751	2.1	22
95	The viscosity of five liquid hydrocarbons at pressures up to 250 MPa. <i>International Journal of Thermophysics</i> , 1992 , 13, 773-790	2.1	117
94	Compression work using the transient hot-wire method. <i>International Journal of Thermophysics</i> , 1992 , 13, 223-235	2.1	18
93	The prediction of transport properties of fluids. <i>Fluid Phase Equilibria</i> , 1992 , 79, 265-276	2.5	6
92	An absolute vibrating-wire viscometer for liquids at high pressures. <i>International Journal of Thermophysics</i> , 1991 , 12, 231-244	2.1	36
91	The viscosity of nitrous oxide and tetrafluoromethane in the limit of zero density. <i>International Journal of Thermophysics</i> , 1991 , 12, 265-273	2.1	7

90	A vibrating-wire densimeter for measurements in fluids at high pressures. <i>International Journal of Thermophysics</i> , 1991 , 12, 357-370	2.1	30
89	Measurements of the viscosity of benzene, toluene, and m-xylene at pressure up to 80 MPa. <i>International Journal of Thermophysics</i> , 1991 , 12, 449-457	2.1	59
88	The viscosity and thermal conductivity of ethane in the limit of zero density. <i>International Journal of Thermophysics</i> , 1991 , 12, 999-1012	2.1	14
87	Thermal conductivity of isopentane in the temperature range 307B55 K at pressures up to 0.4 GPa. <i>International Journal of Thermophysics</i> , 1991 , 12, 17-25	2.1	6
86	Quantum mechanical calculations of effective collision cross-sections for He-N2 interaction. <i>Molecular Physics</i> , 1991 , 72, 1347-1364	1.7	36
85	The thermal conductivity of the mixtures of liquid hydrocarbons at pressures up to 400 MPa. <i>International Journal of Thermophysics</i> , 1990 , 11, 987-1000	2.1	12
84	Benzene: A Further Liquid Thermal Conductivity Standard. <i>Journal of Physical and Chemical Reference Data</i> , 1990 , 19, 113-117	4.3	56
83	The Thermal Conductivity of Methane and Tetrafluoromethane in the Limit of Zero Density. <i>Journal of Physical and Chemical Reference Data</i> , 1990 , 19, 1137-1147	4.3	25
82	The Transport Properties of Carbon Dioxide. <i>Journal of Physical and Chemical Reference Data</i> , 1990 , 19, 763-808	4.3	549
81	A SCIENTIFIC APPROACH TO THERMOPHYSICAL PROPERTY DATA FOR FLUIDS. <i>Experimental Heat Transfer</i> , 1989 , 2, 41-58	2.4	
80	The Thermal Conductivity of Nitrogen and Carbon Monoxide in the Limit of Zero Density. <i>Journal of Physical and Chemical Reference Data</i> , 1989 , 18, 565-581	4.3	40
79	Absolute measurements of the thermal conductivity of mixtures of alkene-glycols with water. <i>International Journal of Thermophysics</i> , 1989 , 10, 1127-1140	2.1	29
78	The prediction of the viscosity of dense gas mixtures. <i>International Journal of Thermophysics</i> , 1989 , 10, 125-132	2.1	47
77	The correlation and prediction of thermal conductivity and other properties of gases at zero density. <i>International Journal of Thermophysics</i> , 1989 , 10, 983-993	2.1	6
76	Mutual diffusion coefficients for two n-octane isomers in n-heptane. <i>International Journal of Thermophysics</i> , 1989 , 10, 995-1003	2.1	6
75	The thermal conductivity of liquid mixtures at elevated pressures. <i>International Journal of Thermophysics</i> , 1989 , 10, 1041-1051	2.1	14
74	Thermal conductivity of liquids: Prediction based on a group-contribution scheme. <i>International Journal of Thermophysics</i> , 1989 , 10, 779-791	2.1	22
73	Absolute measurements of the thermal conductivity of mixtures of alcohols with water. <i>International Journal of Thermophysics</i> , 1989 , 10, 793-803	2.1	41

72	Theoretically based data assessment for the correlation of the thermal conductivity of dilute gases. <i>International Journal of Thermophysics</i> , 1989 , 10, 805-818	2.1	13
71	A vibrating-rod densimeter. <i>International Journal of Thermophysics</i> , 1989 , 10, 871-883	2.1	12
70	Absolute Measurements of the Thermal Conductivity of Some Aqueous Chloride Salt Solutions. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1989 , 93, 887-892		9
69	An equation of state for the gas phase of methanol. <i>Pure and Applied Chemistry</i> , 1989 , 61, 1379-1386	2.1	12
68	The thermal conductivity of ethylene and ethane. <i>International Journal of Thermophysics</i> , 1988 , 9, 481-500	2.1	10
67	Thermal conductivity and thermal diffusivity of xylene isomers in the temperature range 308-360 K at pressures up to 0.38 GPa. <i>International Journal of Thermophysics</i> , 1988 , 9, 21-35	2.1	17
66	Thermal diffusivity measurement by the transient hot-wire technique: A reappraisal. <i>International Journal of Thermophysics</i> , 1988 , 9, 293-316	2.1	35
65	Absolute Measurement of the Thermal Conductivity of Electrically Conducting Liquids. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1988 , 92, 627-631		22
64	An essentially exact evaluation of transport cross-sections for a model of the helium-nitrogen interaction. <i>Molecular Physics</i> , 1987 , 61, 359-387	1.7	50
63	The Viscosity of Carbon Dioxide, Methane, and Sulfur Hexafluoride in the Limit of Zero Density. <i>Journal of Physical and Chemical Reference Data</i> , 1987 , 16, 175-187	4.3	47
62	The Viscosity of Normal Deuterium in the Limit of Zero Density. <i>Journal of Physical and Chemical Reference Data</i> , 1987 , 16, 189-192	4.3	11
61	The thermal conductivity of n-hexane, n-heptane, and n-decane by the transient hot-wire method. <i>International Journal of Thermophysics</i> , 1987 , 8, 663-670	2.1	43
60	A computer-controlled instrument for the measurement of the thermal conductivity of liquids. <i>International Journal of Thermophysics</i> , 1987 , 8, 511-519	2.1	27
59	Thermal conductivity of normal pentane in the temperature range 306-360 K at pressures up to 0.5 GPa. <i>International Journal of Thermophysics</i> , 1987 , 8, 305-315	2.1	22
58	The theory of a vibrating-rod viscometer. <i>Flow, Turbulence and Combustion</i> , 1987 , 43, 325-346		92
57	Thermal conductivity of oct-1-ene in the temperature range 307 to 360 K at pressures up to 0.5 GPa. <i>International Journal of Thermophysics</i> , 1987 , 8, 407-414	2.1	6
56	Transient hot-wire measurements of the thermal conductivity of gases at elevated temperatures. <i>International Journal of Thermophysics</i> , 1986 , 7, 245-258	2.1	24
55	Thermal conductivity of argon in the temperature range 107 to 423 K. <i>International Journal of Thermophysics</i> , 1986 , 7, 259-272	2.1	24

54	The transport coefficients of polyatomic liquids. <i>International Journal of Thermophysics</i> , 1986 , 7, 273-284.	2.1	36
53	Correlation of the zero-density viscosity of polyatomic gases. <i>International Journal of Thermophysics</i> , 1986 , 7, 553-562	2.1	2
52	Transport properties of polyatomic gases. <i>International Journal of Thermophysics</i> , 1986 , 7, 1-15	2.1	10
51	The Imperial College Thermophysical Properties Data Centre. <i>International Journal of Thermophysics</i> , 1986 , 7, 963-971	2.1	2
50	The theory of a vibrating-rod densimeter. <i>Flow, Turbulence and Combustion</i> , 1986 , 43, 127-158		88
49	Transport properties of diatomic gases. <i>Molecular Physics</i> , 1986 , 59, 579-585	1.7	8
48	The Viscosity and Thermal Conductivity of Normal Hydrogen in the Limit of Zero Density. <i>Journal of Physical and Chemical Reference Data</i> , 1986 , 15, 1315-1322	4.3	46
47	Standard Reference Data for the Thermal Conductivity of Liquids. <i>Journal of Physical and Chemical Reference Data</i> , 1986 , 15, 1073-1086	4.3	136
46	Thermal conductivity of carbon tetrachloride in the temperature range 310 to 364 K at pressures up to 0.22 GPa. <i>International Journal of Thermophysics</i> , 1985 , 6, 427-438	2.1	6
45	The Viscosity of Nitrogen, Oxygen, and Their Binary Mixtures in the Limit of Zero Density. <i>Journal of Physical and Chemical Reference Data</i> , 1985 , 14, 209-226	4.3	60
44	Thermal conductivity of benzene and cyclohexane in the temperature range 360-400 K at pressures up to 0.33 GPa. <i>International Journal of Thermophysics</i> , 1984 , 5, 351-365	2.1	23
43	The Thermal Conductivity of n-Hexane and n-Octane at Pressures up to 0.64 GPa in the Temperature Range 340-400 K. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1984 , 88, 32-36		36
42	Thermal conductivity of mixtures of polyatomic gases at low and moderate density. <i>International Journal of Thermophysics</i> , 1983 , 4, 295-309	2.1	5
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