# J P Martin Trusler

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 187 papers | 6,471 citations | 38 h-index | 74 g-index |
| 204 ext. papers | 7,716 ext. citations | 3.6 avg, IF | 5.99 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 187 | Measurements and interpretation of crude Oil-Water/Brine dynamic interfacial tension at subsurface representative conditions. *Fuel*, **2022**, 315, 123266 | 7.1 | 0 |
| 186 | Interfacial tensions of systems comprising N2, 7 mass% KI (aq), decane and iododecane at elevated pressures and temperatures. *Fluid Phase Equilibria*, **2022**, 556, 113364 | 2.5 | 0 |
| 185 | Refractive Index Effects in Pendant Drop Tensiometry. *International Journal of Thermophysics*, **2022**, 43, 1 | 2.1 | 1 |
| 184 | Hybrid Pore-Scale Adsorption Model for CO2 and CH4 Storage in Shale. *Energy & Fuels*, **2022**, 36, 3443-3456 | 4.1 | 0 |
| 183 | Saturated-Phase Densities of (CO2 + Methylcyclohexane) at Temperatures from 298 to 448 K and Pressures up to the Critical Pressure. *Journal of Chemical & Engineering Data*, **2022**, 67, 54-66 | 2.8 | 1 |
| 182 | Measurements and Modelling of Vapour–Liquid Equilibrium for (H2O + N2) and (CO2 + H2O + N2) Systems at Temperatures between 323 and 473 K and Pressures up to 20 MPa. *Energies*, **2022**, 15, 3936 | 3.1 | 0 |
| 181 | Electroreduction of CO/CO to C Products: Process Modeling, Downstream Separation, System Integration, and Economic Analysis.. *Industrial & Engineering Chemistry Research*, **2021**, 60, 17862-17880 | 3.8 | 3 |
| 180 | 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, 043104 | 4.3 | 0 |
| 179 | The pH of CO2-saturated aqueous KCl solutions at temperatures between 298 K and 423 K at pressures up to 13.5 MPa. *Chemical Engineering Science*, **2021**, 234, 116434 | 4.4 | 0 |
| 178 | Solubility of hydrogen in sodium chloride brine at high pressures. *Fluid Phase Equilibria*, **2021**, 539, 113025 | 2.5 | 3 |
| 177 | Modelling the Diffusion Coefficients of Dilute Gaseous Solutes in Hydrocarbon Liquids. *International Journal of Thermophysics*, **2021**, 42, 1 | 2.1 | 0 |
| 176 | Thermodynamic Properties of Liquid Toluene from Speed-of-Sound Measurements at Temperatures from 283.15 K to 473.15 K and at Pressures up to 390 MPa. *International Journal of Thermophysics*, **2021**, 42, 1 | 2.1 | 2 |
| 175 | A shortcut pressure swing adsorption analogue model to estimate Gas-in-Place and CO2 storage potential of gas shales. *Fuel*, **2021**, 301, 121014 | 7.1 | 2 |
| 174 | Experimental and modelling study of the phase behavior of (methyl propanoate + carbon dioxide) at temperatures between (298.15 and 423.15) K and pressures up to 20 MPa. *Fluid Phase Equilibria*, **2020**, 519, 112653 | 2.5 | 1 |
| 173 | Viscosity and Density of 1,3-Dimethylbenzene + Carbon Dioxide at Temperatures from 298 to 423 K and at Pressures up to 100 MPa. *Journal of Chemical & Engineering Data*, **2020**, 65, 2186-2193 | 2.8 | 2 |
| 172 | Measurements and modelling of the viscosity of (methane + ethane) mixtures at temperatures from (253.15 to 473.15) K with pressures up to 2 MPa. *Journal of Chemical Thermodynamics*, **2020**, 147, 106104 | 2.9 | 3 |
| 171 | Surrogate Models for Studying the Wettability of Nanoscale Natural Rough Surfaces Using Molecular Dynamics. *Energies*, **2020**, 13, 2770 | 3.1 | 8 |

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| 170 | Speeds of Sound in n-Pentane at Temperatures from 233.50 to 473.15 K at Pressures up to 390 MPa. *Journal of Chemical & Engineering Data*, **2020**, 65, 3679-3689 | 2.8 | 4 |
| 169 | Density and Phase Behavior of the CO2 + Methylbenzene System in Wide Ranges of Temperatures and Pressures. *Industrial & Engineering Chemistry Research*, **2020**, 59, 7224-7237 | 3.9 | 4 |
| 168 | Residual entropy model for predicting the viscosities of dense fluid mixtures. *Journal of Chemical Physics*, **2020**, 152, 164104 | 3.9 | 12 |
| 167 | Supercritical adsorption in micro- and meso-porous carbons and its utilisation for textural characterisation. *Microporous and Mesoporous Materials*, **2020**, 308, 110537 | 5.3 | 10 |
| 166 | Interfacial tensions in the (CH4 + CO2 + H2O) system under two- and three-phase conditions. *Fluid Phase Equilibria*, **2020**, 522, 112760 | 2.5 | 1 |
| 165 | Vapor-liquid equilibria, solid-vapor-liquid equilibria and H2S partition coefficient in (CO2 + CH4) at temperatures between (203.96 and 303.15) K at pressures up to 9 MPa. *Fluid Phase Equilibria*, **2020**, 522, 112762 | 2.5 | 1 |
| 164 | Diffusion Coefficients of Methane in Methylbenzene and Heptane at Temperatures between 323 K and 398 K at Pressures up to 65 MPa. *International Journal of Thermophysics*, **2020**, 41, 1 | 2.1 | 4 |
| 163 | Measurements and modelling of the viscosity of six synthetic crude oil mixtures. *Fluid Phase Equilibria*, **2020**, 505, 112343 | 2.5 | 4 |
| 162 | Employing SAFT Coarse-Grained Force Fields for the Molecular Simulation of Thermodynamic and Transport Properties of CO2 + n-Alkane Mixtures. *Journal of Chemical & Engineering Data*, **2020**, 65, 1159-1171 | 2.8 | 3 |
| 161 | Brine chemistry effects in calcite dissolution kinetics at reservoir conditions. *Chemical Geology*, **2019**, 509, 92-102 | 4.2 | 11 |
| 160 | Predicting the pressure dependence of the viscosity of 2,2,4-trimethylhexane using the SAFT coarse-grained force field. *Fluid Phase Equilibria*, **2019**, 496, 1-6 | 2.5 | 5 |
| 159 | Experimental density and an improved Helmholtz-energy-explicit mixture model for (CO2 + CO). *Applied Energy*, **2019**, 251, 113398 | 10.7 | 6 |
| 158 | Wettability of calcite under carbon storage conditions. *International Journal of Greenhouse Gas Control*, **2019**, 84, 180-189 | 4.2 | 12 |
| 157 | Viscosities of Liquid Hexadecane at Temperatures between 323 K and 673 K and Pressures up to 4 MPa Measured Using a Dual-Capillary Viscometer. *Journal of Chemical & Engineering Data*, **2019**, 64, 706-712 | 2.8 | 5 |
| 156 | Speed of sound and derived thermodynamic properties of para-xylene at temperatures between (306 and 448) K and at pressures up to 66 MPa. *Journal of Chemical Thermodynamics*, **2019**, 135, 369-381 | 2.9 | 6 |
| 155 | Extension of Vibrating-Wire Viscometry to Electrically Conducting Fluids and Measurements of Viscosity and Density of Brines with Dissolved CO2 at Reservoir Conditions. *Journal of Chemical & Engineering Data*, **2019**, 64, 3831-3847 | 2.8 | 3 |
| 154 | Chapter 8:An Introduction to Subsurface CO2 Storage. *RSC Energy and Environment Series*, **2019**, 238-295 | 0.6 | 3 |
| 153 | High-Pressure Electrochemical Reduction of CO2 to Formic Acid/Formate: Effect of pH on the Downstream Separation Process and Economics. *Industrial & Engineering Chemistry Research*, **2019**, 58, 22718-22740 | 3.9 | 36 |

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| 152 | International Standard for viscosity at temperatures up to 473 K and pressures below 200 MPa (IUPAC Technical Report). *Pure and Applied Chemistry*, **2019**, 91, 161-172 | 2.1 | 5 |
| 151 | Phase equilibria of (Methylbenzene + Carbon dioxide + Methane) at elevated pressure: Experiment and modelling. *Journal of Supercritical Fluids*, **2019**, 145, 1-9 | 4.2 | 14 |
| 150 | High Pressure Electrochemical Reduction of CO to Formic Acid/Formate: A Comparison between Bipolar Membranes and Cation Exchange Membranes. *Industrial & Engineering Chemistry Research*, **2019**, 58, 1834-1847 | 3.9 | 66 |
| 149 | Thermodynamics of carbon dioxide-hydrocarbon systems. *Applied Energy*, **2018**, 220, 629-642 | 10.7 | 33 |
| 148 | Measurement and modeling of the viscosity of (nitrogen + carbon dioxide) mixtures at temperatures from (253.15 to 473.15) K with pressures up to 2 MPa. *Journal of Chemical Thermodynamics*, **2018**, 120, 191-204 | 2.9 | 11 |
| 147 | Carbon capture and storage (CCS): the way forward. *Energy and Environmental Science*, **2018**, 11, 1062-1176 | 35.4 | 1368 |
| 146 | Interfacial tensions of (H2O + H2) and (H2O + CO2 + H2) systems at temperatures of (298–448) K and pressures up to 45 MPa. *Fluid Phase Equilibria*, **2018**, 475, 37-44 | 2.5 | 15 |
| 145 | The pH of CO2-saturated aqueous NaCl and NaHCO3 solutions at temperatures between 308 K and 373 K at pressures up to 15 MPa. *Fluid Phase Equilibria*, **2018**, 458, 253-263 | 2.5 | 15 |
| 144 | Density, sound speed and derived thermophysical properties of n-nonane at temperatures between (283.15 and 473.15) K and at pressures up to 390 MPa. *Journal of Chemical Thermodynamics*, **2018**, 124, 107-122 | 2.9 | 13 |
| 143 | Correction to Interfacial Tension of (Brines + CO2): (0.864 NaCl + 0.136 KCl) at Temperatures between (298 and 448) K, Pressures between (2 and 50) MPa, and Total Molalities of (1 to 5) mol·kg⁻¹. *Journal of Chemical & Engineering Data*, **2018**, 63, 2333-2334 | 2.8 | 1 |
| 142 | Measurement and modelling of the vapor–liquid equilibrium of (CO2 + CO) at temperatures between (218.15 and 302.93) K at pressures up to 15 MPa. *Journal of Chemical Thermodynamics*, **2018**, 126, 63-73 | 2.9 | 10 |
| 141 | Thermophysical Properties and Phase Behavior of Fluids for Application in Carbon Capture and Storage Processes. *Annual Review of Chemical and Biomolecular Engineering*, **2017**, 8, 381-402 | 8.9 | 11 |
| 140 | Phase Behavior of the System (Carbon Dioxide + n-Heptane + Methylbenzene): A Comparison between Experimental Data and SAFT-γ Mie Predictions. *Journal of Chemical & Engineering Data*, **2017**, 62, 2826-2836 | 2.8 | 9 |
| 139 | Density and Viscosity of Partially Carbonated Aqueous Solutions Containing a Tertiary Alkanolamine and Piperazine at Temperatures between 298.15 and 353.15 K. *Journal of Chemical & Engineering Data*, **2017**, 62, 2075-2083 | 2.8 | 8 |
| 138 | Viscosities and Densities of Binary Mixtures of Hexadecane with Dissolved Methane or Carbon Dioxide at Temperatures from (298 to 473) K and at Pressures up to 120 MPa. *Journal of Chemical & Engineering Data*, **2017**, 62, 422-439 | 2.8 | 30 |
| 137 | Effect of CO2 Dissolution on the Rheology of a Heavy Oil/Water Emulsion. *Energy & Fuels*, **2017**, 31, 3399-3408 | 4.1 | 4 |
| 136 | Determination of the thermodynamic properties of water from the speed of sound. *Journal of Chemical Thermodynamics*, **2017**, 109, 61-70 | 2.9 | 13 |
| 135 | Rheology and Phase Behavior of Carbon Dioxide and Crude Oil Mixtures. *Energy & Fuels*, **2017**, 31, 5776-5784 | 4.1 | 11 |

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| 134 | Interfacial tensions of the (CO 2 + N 2 + H 2 O) system at temperatures of (298 to 448) K and pressures up to 40 MPa. *Journal of Chemical Thermodynamics*, **2016**, 93, 392-403 | 2.9 | 31 |
| 133 | Interfacial tensions of systems comprising water, carbon dioxide and diluent gases at high pressures: Experimental measurements and modelling with SAFT-VR Mie and square-gradient theory. *Fluid Phase Equilibria*, **2016**, 407, 159-176 | 2.5 | 37 |
| 132 | Diffusion Coefficients of Carbon Dioxide in Eight Hydrocarbon Liquids at Temperatures between (298.15 and 423.15) K at Pressures up to 69 MPa. *Journal of Chemical & Engineering Data*, **2016**, 61, 3922-3932 | 2.8 | 15 |
| 131 | Kinetics of carbonate mineral dissolution in CO-acidified brines at storage reservoir conditions. *Faraday Discussions*, **2016**, 192, 545-560 | 3.6 | 15 |
| 130 | Atomistic Molecular Dynamics Simulations of Carbon Dioxide Diffusivity in n-Hexane, n-Decane, n-Hexadecane, Cyclohexane, and Squalane. *Journal of Physical Chemistry B*, **2016**, 120, 12890-12900 | 3.4 | 39 |
| 129 | Saturated phase densities of (CO2 + H2O) at temperatures from (293 to 450) K and pressures up to 64 MPa. *Journal of Chemical Thermodynamics*, **2016**, 93, 347-359 | 2.9 | 36 |
| 128 | Solubility of CO2 in aqueous amine solutions: A study to select solvents for carbon capture from natural-gas power plant **2015**, 1-10 | | |
| 127 | Density and Viscosity of Partially Carbonated Aqueous Tertiary Alkanolamine Solutions at Temperatures between (298.15 and 353.15) K. *Journal of Chemical & Engineering Data*, **2015**, 60, 2392-2399 | 2.8 | 36 |
| 126 | Reply to Comment on New Experimental Data and Reference Models for the Viscosity and Density of Squalane *Journal of Chemical & Engineering Data*, **2015**, 60, 1213-1214 | 2.8 | 3 |
| 125 | Phase behavior of (CO2+H2) and (CO2+N2) at temperatures between (218.15 and 303.15)K at pressures up to 15MPa. *International Journal of Greenhouse Gas Control*, **2015**, 36, 78-92 | 4.2 | 38 |
| 124 | Kinetics of calcite dissolution in CO2-saturated water at temperatures between (323 and 373) K and pressures up to 13.8 MPa. *Chemical Geology*, **2015**, 403, 74-85 | 4.2 | 62 |
| 123 | Viscosities of Liquid Cyclohexane and Decane at Temperatures between (303 and 598) K and Pressures up to 4 MPa Measured in a Dual-Capillary Viscometer. *Journal of Chemical & Engineering Data*, **2015**, 60, 2363-2370 | 2.8 | 12 |
| 122 | Viscosity and Density of Aqueous Solutions of Carbon Dioxide at Temperatures from (274 to 449) K and at Pressures up to 100 MPa. *Journal of Chemical & Engineering Data*, **2015**, 60, 171-180 | 2.8 | 47 |
| 121 | Phase equilibria of (CO2+butylbenzene) and (CO2+butylcyclohexane) at temperatures between (323.15 and 423.15)K and at pressures up to 21MPa. *Fluid Phase Equilibria*, **2015**, 387, 111-116 | 2.5 | |
| 120 | Rheology of Diluted Heavy Crude Oil Saturated with Carbon Dioxide. *Energy & Fuels*, **2015**, 29, 2785-2789 | 2.7 | 15 |
| 119 | Experimental and Modeling Study of the Phase Behavior of (Heptane + Carbon Dioxide + Water) Mixtures. *Journal of Chemical & Engineering Data*, **2015**, 60, 3670-3681 | 2.8 | 19 |
| 118 | Towards implementing the new kelvin. *Measurement: Journal of the International Measurement Confederation*, **2015**, 74, 113-115 | 4.6 | 1 |
| 117 | New Experimental Data and Reference Models for the Viscosity and Density of Squalane. *Journal of Chemical & Engineering Data*, **2015**, 60, 137-150 | 2.8 | 38 |

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| 116 | Diffusion Coefficients of Carbon Dioxide in Brines Measured Using 13C Pulsed-Field Gradient Nuclear Magnetic Resonance. *Journal of Chemical & Engineering Data*, **2015**, 60, 181-184 | 2.8 | 17 |
| 115 | Experimental and modeling study of the phase behavior of synthetic crude oil + CO2. *Fluid Phase Equilibria*, **2014**, 365, 20-40 | 2.5 | 49 |
| 114 | Extended hard-sphere model for the viscosity of dense fluids. *Fluid Phase Equilibria*, **2014**, 363, 239-247 | 2.5 | 35 |
| 113 | Diffusion Coefficients of CO2 and N2 in Water at Temperatures between 298.15 K and 423.15 K at Pressures up to 45 MPa. *Journal of Chemical & Engineering Data*, **2014**, 59, 519-525 | 2.8 | 113 |
| 112 | Speed of Sound in (Carbon Dioxide + Propane) and Derived Sound Speed of Pure Carbon Dioxide at Temperatures between (248 and 373) K and at Pressures up to 200 MPa. *Journal of Chemical & Engineering Data*, **2014**, 59, 4099-4109 | 2.8 | 12 |
| 111 | Physical apparatus parameters and model for vibrating tube densimeters at pressures to 140 MPa and temperatures to 473 K. *Review of Scientific Instruments*, **2014**, 85, 095111 | 1.7 | 36 |
| 110 | Experimental and modeling study of the phase behavior of (methane + CO2 + water) mixtures. *Journal of Physical Chemistry B*, **2014**, 118, 14461-78 | 3.4 | 41 |
| 109 | Molecular dynamics simulations of CO2 and brine interfacial tension at high temperatures and pressures. *Journal of Physical Chemistry B*, **2013**, 117, 5647-52 | 3.4 | 57 |
| 108 | Solubility of carbon dioxide in aqueous blends of 2-amino-2-methyl-1-propanol and piperazine. *Chemical Engineering Science*, **2013**, 101, 851-864 | 4.4 | 36 |
| 107 | Improvement of Quality in Publication of Experimental Thermophysical Property Data: Challenges, Assessment Tools, Global Implementation, and Online Support. *Journal of Chemical & Engineering Data*, **2013**, 58, 2699-2716 | 2.8 | 187 |
| 106 | Phase equilibria of (CO2 + H2O + NaCl) and (CO2 + H2O + KCl): Measurements and modeling. *Journal of Supercritical Fluids*, **2013**, 78, 78-88 | 4.2 | 33 |
| 105 | The pH of CO2-saturated water at temperatures between 308 K and 423 K at pressures up to 15 MPa. *Journal of Supercritical Fluids*, **2013**, 82, 129-137 | 4.2 | 92 |
| 104 | Measurement and modeling of the phase behavior of the (carbon dioxide + water) mixture at temperatures from 298.15 K to 448.15 K. *Journal of Supercritical Fluids*, **2013**, 73, 87-96 | 4.2 | 118 |
| 103 | Application of the statistical associating fluid theory for potentials of variable range (SAFT-VR) coupled with renormalisation-group (RG) theory to model the phase equilibria and second-derivative properties of pure fluids. *Fluid Phase Equilibria*, **2013**, 337, 274-287 | 2.5 | 20 |
| 102 | Experimental and molecular modelling study of the three-phase behaviour of (propane+carbon dioxide+water) at reservoir conditions. *Journal of Supercritical Fluids*, **2013**, 75, 30-42 | 4.2 | 12 |
| 101 | Solubility of CO2 in Aqueous Solutions of CaCl2 or MgCl2 and in a Synthetic Formation Brine at Temperatures up to 423 K and Pressures up to 40 MPa. *Journal of Chemical & Engineering Data*, **2013**, 58, 2116-2124 | 2.8 | 58 |
| 100 | Heat capacities and densities of the binary mixtures containing ethanol, cyclohexane or 1-hexene at high pressures. *Journal of Chemical Thermodynamics*, **2013**, 57, 550-557 | 2.9 | 18 |
| 99 | Densities of SrCl2(aq), Na2SO4(aq), NaHCO3(aq), and Two Synthetic Reservoir Brines at Temperatures between (298 and 473) K, Pressures up to 68.5 MPa, and Molalities up to 3 mol·kg−1. *Journal of Chemical & Engineering Data*, **2013**, 58, 402-412 | 2.8 | 14 |

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| 98 | Speeds of Sound in Liquid and Supercritical Hexafluoropropylene (HFP) and Hexafluoropropylene Oxide (HFPO) at Pressures up to 400 MPa. *Journal of Chemical & Engineering Data*, **2012**, 57, 2568-2575 | 2.8 | 1 |
| 97 | Interfacial Tension of (Brines + CO2): CaCl2(aq), MgCl2(aq), and Na2SO4(aq) at Temperatures between (343 and 423) K, Pressures between (2 and 50) MPa, and Molalities of (0.5 to 5) mol·kg-1. *Journal of Chemical & Engineering Data*, **2012**, 57, 1369-1375 | 2.8 | 64 |
| 96 | Composition Analysis and Viscosity Prediction of Complex Fuel Mixtures Using a Molecular-Based Approach. *Energy & Fuels*, **2012**, 26, 2220-2230 | 4.1 | 30 |
| 95 | Densities of Aqueous MgCl2(aq), CaCl2(aq), KI(aq), NaCl(aq), KCl(aq), AlCl3(aq), and (0.964 NaCl + 0.136 KCl)(aq) at Temperatures Between (283 and 472) K, Pressures up to 68.5 MPa, and Molalities up to 6 mol·kg-1. *Journal of Chemical & Engineering Data*, **2012**, 57, 1288-1304 | 2.8 | 61 |
| 94 | Solubility of carbon dioxide in aqueous solution of monoethanolamine or 2-amino-2-methyl-1-propanol: Experimental measurements and modelling. *International Journal of Greenhouse Gas Control*, **2012**, 6, 37-47 | 4.2 | 78 |
| 93 | The speed of sound and derived thermodynamic properties of pure water at temperatures between (253 and 473) K and at pressures up to 400 MPa. *Journal of Chemical Physics*, **2012**, 136, 094511 | 3.9 | 62 |
| 92 | Viscosity of liquid mixtures: the Vesovic-Wakeham method for chain molecules. *Journal of Chemical Physics*, **2012**, 136, 074514 | 3.9 | 25 |
| 91 | The effect of pH, dilution, and temperature on the viscosity of ocular lubricants--shift in rheological parameters and potential clinical significance. *Eye*, **2012**, 26, 1579-84 | 4.4 | 30 |
| 90 | Interfacial Tension of (Brines + CO2): (0.864 NaCl + 0.136 KCl) at Temperatures between (298 and 448) K, Pressures between (2 and 50) MPa, and Total Molalities of (1 to 5) mol·kg-1. *Journal of Chemical & Engineering Data*, **2012**, 57, 1078-1088 | 2.8 | 118 |
| 89 | Guidelines for reporting of phase equilibrium measurements (IUPAC Recommendations 2012). *Pure and Applied Chemistry*, **2012**, 84, 1785-1813 | 2.1 | 22 |
| 88 | Experimental and molecular modeling study of the three-phase behavior of (n-decane + carbon dioxide + water) at reservoir conditions. *Journal of Physical Chemistry B*, **2011**, 115, 14591-609 | 3.4 | 29 |
| 87 | Equation of State for Solid Phase I of Carbon Dioxide Valid for Temperatures up to 800 K and Pressures up to 12 GPa. *Journal of Physical and Chemical Reference Data*, **2011**, 40, 043105 | 4.3 | 28 |
| 86 | Application of a renormalization-group treatment to the statistical associating fluid theory for potentials of variable range (SAFT-VR). *Journal of Chemical Physics*, **2011**, 134, 154102 | 3.9 | 35 |
| 85 | Mutual Diffusion Coefficients of Aqueous KCl at High Pressures Measured by the Taylor Dispersion Method. *Journal of Chemical & Engineering Data*, **2011**, 56, 4840-4848 | 2.8 | 17 |
| 84 | Interfacial Tension Measurements of the (H2O +n-Decane + CO2) Ternary System at Elevated Pressures and Temperatures. *Journal of Chemical & Engineering Data*, **2011**, 56, 4900-4908 | 2.8 | 62 |
| 83 | Viscosity of Liquid Di-isodecyl Phthalate at Temperatures Between (274 and 373) K and at Pressures up to 140 MPa. *Journal of Chemical & Engineering Data*, **2011**, 56, 2236-2241 | 2.8 | 21 |
| 82 | Interfacial Tension Measurements of the (H2O + CO2) System at Elevated Pressures and Temperatures *Journal of Chemical & Engineering Data*, **2010**, 55, 4168-4175 | 2.8 | 165 |
| 81 | Improved Understanding of Vibrating-Wire Viscometer Densimeters. *Journal of Chemical & Engineering Data*, **2010**, 55, 2195-2201 | 2.8 | 12 |

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| 80 | Phase behaviour of mixed-gas hydrate systems containing carbon dioxide. *Journal of Chemical Thermodynamics*, **2010**, 42, 605-611 | 2.9 | 36 |
| 79 | Thermodynamic properties and equation of state of liquid di-isodecyl phthalate at temperature between (273 and 423) K and at pressures up to 140 MPa. *Journal of Chemical Thermodynamics*, **2010**, 42, 631-639 | 2.9 | 28 |
| 78 | Interfacial tension measurements and modelling of (carbon dioxide+n-alkane) and (carbon dioxide+water) binary mixtures at elevated pressures and temperatures. *Journal of Supercritical Fluids*, **2010**, 55, 743-754 | 4.2 | 102 |
| 77 | Design of a laboratory for experiments with a pulsed neutron source. *Journal of Radiological Protection*, **2009**, 29, 183-200 | 1.2 | |
| 76 | Sound-Speed Sensor for Gas Pipeline Applications. *International Journal of Thermophysics*, **2009**, 30, 1106-1117 | 2.1 | 2 |
| 75 | Thermodynamic properties of mixtures of N-methyl-2-pyrrolidinone and methanol at temperatures between 298.15K and 343.15K and pressures up to 60MPa. *Journal of Chemical Thermodynamics*, **2009**, 41, 35-45 | 2.9 | 29 |
| 74 | Influence of pH and acid solutes on the phase behaviour of aqueous solutions containing poly(ethylene glycol) and poly(ethyleneimine). *Biochemical Engineering Journal*, **2009**, 48, 104-110 | 4.2 | 3 |
| 73 | Viscosity and Density of Carbon Dioxide + 2,6,10,15,19,23-Hexamethyltetracosane (Squalane)□ *Journal of Chemical & Engineering Data*, **2009**, 54, 2436-2443 | 2.8 | 40 |
| 72 | Viscosity and Density of Five Hydrocarbon Liquids at Pressures up to 200 MPa and Temperatures up to 473 K□ *Journal of Chemical & Engineering Data*, **2009**, 54, 359-366 | 2.8 | 108 |
| 71 | Influence of Lactic Acid on the Formation of Aqueous Two-Phase Systems Containing Poly(ethylene glycol) and Phosphates. *Journal of Chemical & Engineering Data*, **2008**, 53, 1309-1315 | 2.8 | 18 |
| 70 | A kinetic theory description of the viscosity of dense fluids consisting of chain molecules. *Journal of Chemical Physics*, **2008**, 128, 204901 | 3.9 | 32 |
| 69 | An Industrial Reference Fluid for Moderately High Viscosity. *Journal of Chemical & Engineering Data*, **2008**, 53, 2003-2011 | 2.8 | 41 |
| 68 | Vapor pressure and density of thermotropic liquid crystals: MBBA, 5CB, and novel fluorinated mesogens. *Journal of Physical Chemistry B*, **2008**, 112, 3918-26 | 3.4 | 37 |
| 67 | Measurement of the (pressure, density, temperature) relation of two (methane+nitrogen) gas mixtures at temperatures between 240 and 400K and pressures up to 20MPa using an accurate single-sinker densimeter. *Journal of Chemical Thermodynamics*, **2006**, 38, 916-922 | 2.9 | 32 |
| 66 | Liquid□liquid Equilibria in Aqueous Two-Phase Systems of Poly(ethylene glycol) and Poly(ethyleneimine): Experimental Measurements and Correlation. *Journal of Chemical & Engineering Data*, **2006**, 51, 1056-1061 | 2.8 | 5 |
| 65 | Cloud Curves of Polystyrene or Poly(methyl methacrylate) or Poly(styrene-co-methyl methacrylate) in Cyclohexanol Determined with a Thermo-Optical Apparatus. *Journal of Chemical & Engineering Data*, **2006**, 51, 743-748 | 2.8 | 5 |
| 64 | Speeds of sound in {(1□)CH4+xN2} with x=(0.10001, 0.19999, and 0.5422) at temperatures between 170K and 400K and pressures up to 30MPa. *Journal of Chemical Thermodynamics*, **2006**, 38, 929-937 | 2.9 | 25 |
| 63 | The Viscosity of Organic Liquid Mixtures. *International Journal of Thermophysics*, **2006**, 27, 48-65 | 2.1 | 2 |

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| 62 | Measurement of the Viscosity and Density of Two Reference Fluids, with Nominal Viscosities at T = 298 K and p = 0.1 MPa of (16 and 29) mPa·s, at Temperatures between (298 and 393) K and Pressures below 55 MPa. *Journal of Chemical & Engineering Data*, **2005**, 50, 1377-1388 | 2.8 | 69 |
| 61 | Novel optical flow cell for measurements of fluid phase behaviour. *Fluid Phase Equilibria*, **2005**, 228-229, 233-238 | 2.5 | 11 |
| 60 | Predicting the viscosity of liquid refrigerant blends: comparison with experimental data. *International Journal of Refrigeration*, **2005**, 28, 311-319 | 3.8 | 7 |
| 59 | Circulating pump for high-pressure and high-temperature applications. *Review of Scientific Instruments*, **2005**, 76, 105103 | 1.7 | 9 |
| 58 | Extended corresponding states model for fluids and fluid mixtures. *Fluid Phase Equilibria*, **2004**, 216, 59-84 | 2.5 | 25 |
| 57 | The Viscosity and Density of n-Dodecane and n-Octadecane at Pressures up to 200 MPa and Temperatures up to 473 K. *International Journal of Thermophysics*, **2004**, 25, 1339-1352 | 2.1 | 154 |
| 56 | Combined Helmholtz energy, extended corresponding states and local-composition model for fluid mixtures. *Fluid Phase Equilibria*, **2004**, 222-223, 25-30 | 2.5 | 3 |
| 55 | A robust vibrating wire viscometer for reservoir fluids: results for toluene and n-decane. *Journal of Petroleum Science and Engineering*, **2004**, 44, 333-340 | 4.4 | 13 |
| 54 | Helmholtz energy, extended corresponding states and local composition model for fluid mixtures. *Fluid Phase Equilibria*, **2004**, 224, 125-142 | 2.5 | 11 |
| 53 | Virial equation of state for natural gas systems. *Fluid Phase Equilibria*, **2003**, 204, 169-182 | 2.5 | 13 |
| 52 | Extended corresponding states model for fluids and fluid mixtures. *Fluid Phase Equilibria*, **2003**, 204, 15-40 | 2.5 | 16 |
| 51 | Prediction of the viscosity of dense fluid mixtures. *Molecular Physics*, **2003**, 101, 339-352 | 1.7 | 34 |
| 50 | Phase behavior and physical properties of petroleum reservoir fluids from acoustic measurements. *Journal of Petroleum Science and Engineering*, **2002**, 34, 1-11 | 4.4 | 11 |
| 49 | Densities and bubble points of ternary mixtures of methane, n-butane and n-hexadecane and quaternary mixtures of methane, n-butane, n-heptane and n-hexadecane. *Fluid Phase Equilibria*, **2001**, 182, 111-119 | 2.5 | 10 |
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