# Matthew T Sullivan

List of Publications by Year
in descending order



| 21 | 813 | 759233 12 | 839539 18 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 21 | 21 | 21 | 1057 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Development of a Downhole Measurement System for Phase Behavior of Reservoir Crude Oils and Retrograde Condensates. Energy & Fuels, 2022, 36, 8624-8638. | 5.1 | 1 |
| 2 | Supersaturation in a Wide Range of Recombined Oils. Energy & Fuels, 2020, 34, 4318-4328. | 5.1 | 2 |
| 3 | Downhole AOP Measurements Applied to Mobile Oil in a Tar Mat: A Study on the Influence of Contamination. , 2020, , . | | 1 |
| 4 | Interference Pressure Transient Test for Permeability Anisotropy Evaluation in Shallow Unconsolidated Reservoir Undergoing EOR Polymer Flood Pilot. , 2019, , . | | 3 |
| 5 | A Downhole Wireline Module for the Measurement of Bubble Point Pressure. , 2019, , . | | 5 |
| 6 | Radially Ejected Bubbles Driven by Thermocapillarity in Equilibrated Vaporâ€“Liquid Mixtures. Langmuir, 2017, 33, 4435-4443. | 3.5 | 4 |
| 7 | Bubble nucleation and dissolution in multicomponent fluids near a phase boundary using a rapid heat pulse. International Journal of Heat and Mass Transfer, 2017, 110, 172-192. | 4.8 | 12 |
| 8 | Anomalous nucleation near a fluid phase boundary created by a rapid heat pulse. Fluid Phase Equilibria, 2016, 412, 218-227. | 2.5 | 14 |
| 9 | Microfluidic Bubble Point Measurement Using Thermal Nucleation. Energy & Fuels, 2016, 30, 2655-2661. | 5.1 | 15 |
| 10 | Pressure controlled bubble growth in microchannels. International Journal of Heat and Mass Transfer, 2014, 69, 417-423. | 4.8 | 7 |
| 11 | A microfluidic vibrating wire viscometer for operation at high pressure and high temperature. Review of Scientific Instruments, 2011, 82, 035113. | 1.3 | 20 |
| 12 | Experimental Observation of Inertia-Dominated Squeeze Film Damping in Liquid. Journal of Fluids Engineering, Transactions of the ASME, 2010, 132, . | 1.5 | 6 |
| 13 | On the nonlinear interpretation of a vibrating wire viscometer operated at large amplitude. Fluid Phase Equilibria, 2009, 276, 99-107. | 2.5 | 12 |
| 14 | Controllable Microfluidic Production of Microbubbles in Waterâ€inâ€Oil Emulsions and the Formation of Porous Microparticles. Advanced Materials, 2008, 20, 3314-3318. | 21.0 | 139 |
| 15 | A Comparison of Both Steady State Resonance and Transient Decay Methods of Determining Viscosity with a Vibrating Wire Viscometer: Results for Certified Reference Fluids for Viscosity that are Stagnant with Viscosity between (2.5 and 66) mPaÂ·s and Flowing at Volumetric Flow Rates Below 50 cm3Â·sâ^'1 and Viscosities Less than 34 mPaÂ·s. Journal of Chemical & Engineering Data, 2008, 53, 1691-1697. | 1.9 | 7 |
| 16 | The role of feedback in microfluidic flow-focusing devices. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 2131-2143. | 3.4 | 44 |
| 17 | Concentrating colloids with electric field gradients. I. Particle transport and growth mechanism of hard-sphere-like crystals in an electric bottle. Journal of Chemical Physics, 2008, 128, 164508. | 3.0 | 36 |
| 18 | Transverse Instability of Bubbles in Viscoelastic Channel Flows. Physical Review Letters, 2008, 101, 244503. | 7.8 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Electrostatics at the oil-water interface, stability, and order in emulsions and colloids. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2585-2590. | 7.1 | 244 |
| 20 | Operation of a Vibrating Wire Viscometer at Viscosities Greater than 0.2 PaÂ·s:Â Results for a Certified Reference Fluid with Nominal Viscosity atT= 273 K andp= 0.1 MPa of 0.652 PaÂ·s while Stagnant and a Fluid of Nominal Viscosity of 0.037 PaÂ·s while Flowing. Journal of Chemical & Engineering Data, 2007, 52, 774-782. | 1.9 | 14 |
| 21 | Experiments on Random Packings of Ellipsoids. Physical Review Letters, 2005, 94, 198001. | 7.8 | 210 |