Tobias Klein

List of Publications by Year
in descending order

25	606	566801 15	610482 24
papers	citations	h-index	g-index

26	26	26	225
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Liquid Viscosity and Surface Tension of n-Dodecane, n-Octacosane, Their Mixtures, and a Wax between 323 and 573 K by Surface Light Scattering. Journal of Chemical & Engineering Data, 2017, 62, 3319-3333.	1.0	76
2	Liquid Viscosity and Surface Tension of n-Hexane, n-Octane, n-Decane, and n-Hexadecane up to 573 K by Surface Light Scattering. Journal of Chemical & Engineering Data, 2019, 64, 4116-4131.	1.0	58
3	Thermal, Mutual, and Self-Diffusivities of Binary Liquid Mixtures Consisting of Gases Dissolved in n-Alkanes at Infinite Dilution. Journal of Physical Chemistry B, 2018, 122, 3163-3175.	1.2	47
4	Characterization of Long Linear and Branched Alkanes and Alcohols for Temperatures up to 573.15 K by Surface Light Scattering and Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2020, 124, 4146-4163.	1.2	46
5	Influence of Liquid Structure on Fickian Diffusion in Binary Mixtures of n-Hexane and Carbon Dioxide Probed by Dynamic Light Scattering, Raman Spectroscopy, and Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2018, 122, 7122-7133.	1.2	39
6	Thermophysical properties of diphenylmethane and dicyclohexylmethane as a reference liquid organic hydrogen carrier system from experiments and molecular simulations. International Journal of Hydrogen Energy, 2020, 45, 28903-28919.	3.8	38
7	Diffusivities in 1-Alcohols Containing Dissolved H₂, He, N₂, CO, or CO₂ Close to Infinite Dilution. Journal of Physical Chemistry B, 2019, 123, 8777-8790.	1.2	36
8	Interfacial Tension and Liquid Viscosity of Binary Mixtures of n-Hexane, n-Decane, or 1-Hexanol with Carbon Dioxide by Molecular Dynamics Simulations and Surface Light Scattering. International Journal of Thermophysics, 2019, 40, 1.	1.0	35
9	Mutual and Thermal Diffusivities as well as Fluid-Phase Equilibria of Mixtures of 1-Hexanol and Carbon Dioxide. Journal of Physical Chemistry B, 2020, 124, 2482-2494.	1.2	32
10	Diffusivities in Binary Mixtures of [AMIM][NTf₂] Ionic Liquids with the Dissolved Gases H₂, He, N₂, CO, CO₂, or Kr Close to Infinite Dilution. Journal of Chemical & Engineering Data, 2020, 65, 4116-4129.	1.0	21
11	Effect of the degree of hydrogenation on the viscosity, surface tension, and density of the liquid organic hydrogen carrier system based on diphenylmethane. International Journal of Hydrogen Energy, 2022, 47, 6111-6130.	3.8	19
12	Interfacial tensions and viscosities in multiphase systems by surface light scattering (SLS). Journal of Colloid and Interface Science, 2019, 538, 671-681.	5.0	18
13	Surface Tension and Viscosity of Binary Mixtures of the Fluorinated and Non-fluorinated Ionic Liquids [PFBMIm][PF6] and [C4C1Im][PF6] by the Pendant Drop Method and Surface Light Scattering. International Journal of Thermophysics, 2020, 41, 1.	1.0	17
14	Viscosity and Interfacial Tension of Binary Mixtures of n-Hexadecane with Dissolved Gases Using Surface Light Scattering and Equilibrium Molecular Dynamics Simulations. Journal of Chemical & Engineering Data, 2021, 66, 3205-3218.	1.0	17
15	Viscosity and Surface Tension of Branched Alkanes 2-Methylnonane and 4-Methylnonane. Journal of Chemical & Engineering Data, 2018, 63, 2833-2839.	1.0	15
16	Diffusivities in Binary Mixtures of n-Hexane or 1-Hexanol with Dissolved CH₄, Ne, Kr, R143a, SF₆, or R236fa Close to Infinite Dilution. Journal of Chemical & Engineering Data, 2021, 66, 2218-2232.	1.0	14
17	Fick Diffusion Coefficient in Binary Mixtures of [HMIM][NTf₂] and Carbon Dioxide by Dynamic Light Scattering and Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2021, 125, 5100-5113.	1.2	14
18	Viscosity, Interfacial Tension, and Density of Binary-Liquid Mixtures of n-Hexadecane with n-Octacosane, 2,2,4,4,6,8,8-Heptamethylnonane, or 1-Hexadecanol at Temperatures between 298.15 and 573.15 K by Surface Light Scattering and Equilibrium Molecular Dynamics Simulations. Journal of Chemical & Engineering Data, 2021, 66, 2264-2280.	1.0	12

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19	Diffusivities in Binary Mixtures of n-Decane, n-Hexadecane, n-Octacosane, 2-Methylpentane, 2,2-Dimethylbutane, Cyclohexane, Benzene, Ethanol, 1-Decanol, Ethyl Butanoate, or n-Hexanoic Acid with Dissolved He or Kr Close to Infinite Dilution. Journal of Chemical & Engineering Data, 2022, 67, 622-635.	1.0	12
20	Simultaneous Analysis of Equilibrium Fluctuations at the Surface and in the Bulk of a Binary Liquid Mixture by Dynamic Light Scattering. Journal of Physical Chemistry B, 2017, 121, 10950-10956.	1.2	9
21	Liquid Viscosity and Interfacial Tension of Binary and Ternary Mixtures Containing n-Octacosane by Surface Light Scattering. Journal of Chemical & Engineering Data, 2019, 64, 817-826.	1.0	9
22	Viscosity and Interfacial Tension of Binary Mixtures Consisting of Linear, Branched, Cyclic, or Oxygenated Hydrocarbons with Dissolved Gases Using Surface Light Scattering and Equilibrium Molecular Dynamics Simulations. International Journal of Thermophysics, 2022, 43, 1.	1.0	9
23	Dynamic Light Scattering for Studying Mutual Diffusion Coefficients in Electrolyte Systems Comprised Entirely of Ions. Journal of the Electrochemical Society, 2020, 167, 133502.	1.3	6
24	Viscosity and Interfacial Tension of Binary Mixtures Consisting of an n-Alkane, Branched Alkane, Primary Alcohol, or Branched Alcohol and a Dissolved Gas Using Equilibrium Molecular Dynamics Simulations. International Journal of Thermophysics, 2022, 43, .	1.0	2
25	Viscosity and Interfacial Tension of Ternary Mixtures Consisting of Linear Alkanes, Alcohols, and/or Dissolved Gases Using Surface Light Scattering and Equilibrium Molecular Dynamics Simulations. International Journal of Thermophysics, 2022, 43, .	1.0	2