

# Tobias Klein

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8311747/publications.pdf>

Version: 2024-02-01

25  
papers

606  
citations

566801

15  
h-index

610482

24  
g-index

26  
all docs

26  
docs citations

26  
times ranked

225  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of the degree of hydrogenation on the viscosity, surface tension, and density of the liquid organic hydrogen carrier system based on diphenylmethane. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 6111-6130.	3.8	19
2	Diffusivities in Binary Mixtures of <i>n</i> -Decane, <i>n</i> -Hexadecane, <i>n</i> -Octacosane, 2-Methylpentane, 2,2-Dimethylbutane, Cyclohexane, Benzene, Ethanol, 1-Decanol, Ethyl Butanoate, or <i>n</i> -Hexanoic Acid with Dissolved He or Kr Close to Infinite Dilution. <i>Journal of Chemical &amp; Engineering Data</i> , 2022, 67, 622-635.	1.0	12
3	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. <i>International Journal of Thermophysics</i> , 2022, 43, 1.	1.0	9
4	Viscosity and Interfacial Tension of Binary Mixtures Consisting of an <i>n</i> -Alkane, Branched Alkane, Primary Alcohol, or Branched Alcohol and a Dissolved Gas Using Equilibrium Molecular Dynamics Simulations. <i>International Journal of Thermophysics</i> , 2022, 43, .	1.0	2
5	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. <i>International Journal of Thermophysics</i> , 2022, 43, .	1.0	2
6	Diffusivities in Binary Mixtures of <i>n</i> -Hexane or 1-Hexanol with Dissolved CH <sub>4</sub> , Ne, Kr, R143a, SF <sub>6</sub> , or R236fa Close to Infinite Dilution. <i>Journal of Chemical &amp; Engineering Data</i> , 2021, 66, 2218-2232.	1.0	14
7	Viscosity, Interfacial Tension, and Density of Binary-Liquid Mixtures of <i>n</i> -Hexadecane with <i>n</i> -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. <i>Journal of Chemical &amp; Engineering Data</i> , 2021, 66, 2264-2280.	1.0	12
8	Fick Diffusion Coefficient in Binary Mixtures of [HMIM][NTf <sub>2</sub> ] and Carbon Dioxide by Dynamic Light Scattering and Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2021, 125, 5100-5113.	1.2	14
9	Viscosity and Interfacial Tension of Binary Mixtures of <i>n</i> -Hexadecane with Dissolved Gases Using Surface Light Scattering and Equilibrium Molecular Dynamics Simulations. <i>Journal of Chemical &amp; Engineering Data</i> , 2021, 66, 3205-3218.	1.0	17
10	Thermophysical properties of diphenylmethane and dicyclohexylmethane as a reference liquid organic hydrogen carrier system from experiments and molecular simulations. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 28903-28919.	3.8	38
11	Surface Tension and Viscosity of Binary Mixtures of the Fluorinated and Non-fluorinated Ionic Liquids [PFBMIm][PF <sub>6</sub> ] and [C4C1Im][PF <sub>6</sub> ] by the Pendant Drop Method and Surface Light Scattering. <i>International Journal of Thermophysics</i> , 2020, 41, 1.	1.0	17
12	Diffusivities in Binary Mixtures of [AMIM][NTf <sub>2</sub> ] Ionic Liquids with the Dissolved Gases H <sub>2</sub> , He, N <sub>2</sub> , CO, CO <sub>2</sub> , or Kr Close to Infinite Dilution. <i>Journal of Chemical &amp; Engineering Data</i> , 2020, 65, 4116-4129.	1.0	21
13	Mutual and Thermal Diffusivities as well as Fluid-Phase Equilibria of Mixtures of 1-Hexanol and Carbon Dioxide. <i>Journal of Physical Chemistry B</i> , 2020, 124, 2482-2494.	1.2	32
14	Characterization of Long Linear and Branched Alkanes and Alcohols for Temperatures up to 573.15 K by Surface Light Scattering and Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2020, 124, 4146-4163.	1.2	46
15	Dynamic Light Scattering for Studying Mutual Diffusion Coefficients in Electrolyte Systems Comprised Entirely of Ions. <i>Journal of the Electrochemical Society</i> , 2020, 167, 133502.	1.3	6
16	Interfacial Tension and Liquid Viscosity of Binary Mixtures of <i>n</i> -Hexane, <i>n</i> -Decane, or 1-Hexanol with Carbon Dioxide by Molecular Dynamics Simulations and Surface Light Scattering. <i>International Journal of Thermophysics</i> , 2019, 40, 1.	1.0	35
17	Liquid Viscosity and Surface Tension of <i>n</i> -Hexane, <i>n</i> -Octane, <i>n</i> -Decane, and <i>n</i> -Hexadecane up to 573 K by Surface Light Scattering. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 4116-4131.	1.0	58
18	Diffusivities in 1-Alcohols Containing Dissolved H <sub>2</sub> , He, N <sub>2</sub> , CO, or CO <sub>2</sub> Close to Infinite Dilution. <i>Journal of Physical Chemistry B</i> , 2019, 123, 8777-8790.	1.2	36

#	ARTICLE	IF	CITATIONS
19	Liquid Viscosity and Interfacial Tension of Binary and Ternary Mixtures Containing <i>n</i> -Octacosane by Surface Light Scattering. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 817-826.	1.0	9
20	Interfacial tensions and viscosities in multiphase systems by surface light scattering (SLS). <i>Journal of Colloid and Interface Science</i> , 2019, 538, 671-681.	5.0	18
21	Thermal, Mutual, and Self-Diffusivities of Binary Liquid Mixtures Consisting of Gases Dissolved in <i>n</i> -Alkanes at Infinite Dilution. <i>Journal of Physical Chemistry B</i> , 2018, 122, 3163-3175.	1.2	47
22	Viscosity and Surface Tension of Branched Alkanes 2-Methylnonane and 4-Methylnonane. <i>Journal of Chemical &amp; Engineering Data</i> , 2018, 63, 2833-2839.	1.0	15
23	Influence of Liquid Structure on Fickian Diffusion in Binary Mixtures of <i>n</i> -Hexane and Carbon Dioxide Probed by Dynamic Light Scattering, Raman Spectroscopy, and Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2018, 122, 7122-7133.	1.2	39
24	Liquid Viscosity and Surface Tension of <i>n</i> -Dodecane, <i>n</i> -Octacosane, Their Mixtures, and a Wax between 323 and 573 K by Surface Light Scattering. <i>Journal of Chemical &amp; Engineering Data</i> , 2017, 62, 3319-3333.	1.0	76
25	Simultaneous Analysis of Equilibrium Fluctuations at the Surface and in the Bulk of a Binary Liquid Mixture by Dynamic Light Scattering. <i>Journal of Physical Chemistry B</i> , 2017, 121, 10950-10956.	1.2	9