

# Rolf Stierle

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1185263/publications.pdf>

Version: 2024-02-01

11  
papers

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citations

1478505

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h-index

1474206

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g-index

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all docs

11  
docs citations

11  
times ranked

73  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrodynamic density functional theory for mixtures from a variational principle and its application to droplet coalescence. <i>Journal of Chemical Physics</i> , 2021, 155, 134101.	3.0	7
2	Guide to efficient solution of PC-SAFT classical Density Functional Theory in various Coordinate Systems using fast Fourier and similar Transforms. <i>Fluid Phase Equilibria</i> , 2020, 504, 112306.	2.5	21
3	Non-invasive, spatially averaged temperature measurements of falling acetone droplets in nitrogen atmosphere at elevated pressures and temperatures. <i>Journal of Supercritical Fluids</i> , 2020, 166, 105025.	3.2	6
4	On the Selection of Boundary Conditions for Droplet Evaporation and Condensation at high Pressure and Temperature Conditions from interfacial Transport Resistivities. <i>International Journal of Heat and Mass Transfer</i> , 2020, 151, 119450.	4.8	26
5	A fast inverse Hankel Transform of first Order for computing vector-valued weight Functions appearing in Fundamental Measure Theory in cylindrical Coordinates. <i>Fluid Phase Equilibria</i> , 2020, 511, 112500.	2.5	3
6	Laboratory Experiments of High-Pressure Fluid Drops. , 2020, , 49-109.		15
7	Direct numerical simulation of sublimating ice particles. <i>International Journal of Thermal Sciences</i> , 2019, 145, 105953.	4.9	8
8	Transferability of cross-interaction pair potentials: Vapor-liquid phase equilibria of n-alkane/nitrogen mixtures using the TAMie force field. <i>Fluid Phase Equilibria</i> , 2018, 456, 124-130.	2.5	10
9	On the importance of non-equilibrium models for describing the coupling of heat and mass transfer at high pressure. <i>International Communications in Heat and Mass Transfer</i> , 2018, 98, 49-58.	5.6	23
10	Process Simulation of an Adsorption Chiller: True Moving Bed Approximation. <i>Chemie-Ingenieur-Technik</i> , 2014, 86, 112-118.	0.8	1
11	Experimental Investigation of Droplet Injections in the Vicinity of the Critical Point: A comparison of different model approaches. , 0, , .		2