Rolf Stierle

List of Publications by Year
in descending order

11 papers	122 citations	1478505 6 h-index	1474206 9 g-index
11 all docs	11 docs citations	11 times ranked	73 citing authors

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