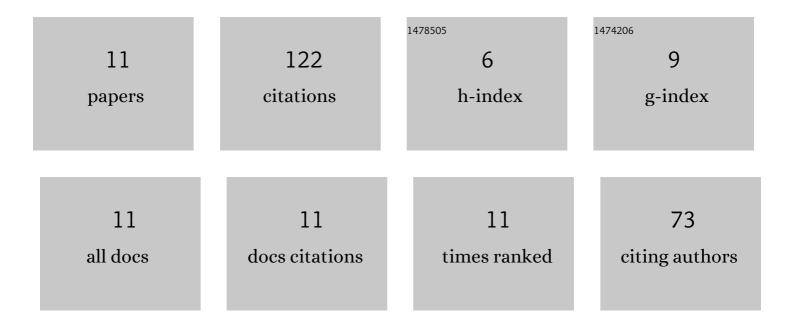
Rolf Stierle

List of Publications by Year in descending order

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POLE STIEDLE

#	Article	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	Laboratory Experiments of High-Pressure Fluid Drops. , 2020, , 49-109.		15
7	Direct numerical simulation of sublimating ice particles. International Journal of Thermal Sciences, 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. Fluid Phase Equilibria, 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. International Communications in Heat and Mass Transfer, 2018, 98, 49-58.	5.6	23
10	Process Simulation of an Adsorption Chiller: True Moving Bed Approximation. Chemie-Ingenieur-Technik, 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