Julian Straus

List of Publications by Year
in descending order

14 papers	186 citations	1307594 7 h-index	1125743 13 g-index
14 all docs	14 docs citations	14 times ranked	176 citing authors

#	Article	IF	Citations
1	Next frontiers in energy system modelling: A review on challenges and the state of the art. Renewable and Sustainable Energy Reviews, 2022, 160, 112246.	16.4	64
2	Nanoparticulate Tungsten Oxide for Catalytic Epoxidations. ACS Catalysis, 2013, 3, 321-327.	11.2	45
3	On combining self-optimizing control and extremum-seeking control â€" Applied to an ammonia reactor case study. Journal of Process Control, 2019, 78, 78-87.	3.3	21
4	Applying Endogenous Learning Models in Energy System Optimization. Energies, 2021, 14, 4819.	3.1	10
5	Self-Optimizing Control in Chemical Recycle Processes. IFAC-PapersOnLine, 2018, 51, 536-541.	0.9	8
6	Surrogate model generation using self-optimizing variables. Computers and Chemical Engineering, 2018, 119, 143-151.	3.8	8
7	A new termination criterion for sampling for surrogate model generation using partial least squares regression. Computers and Chemical Engineering, 2019, 121, 75-85.	3.8	8
8	Use of Latent Variables to Reduce the Dimension of Surrogate Models. Computer Aided Chemical Engineering, 2017, , 445-450.	0.5	6
9	Minimizing the complexity of surrogate models for optimization. Computer Aided Chemical Engineering, 2016, , 289-294.	0.5	4
10	Introducing global learning in regional energy system models. Energy Strategy Reviews, 2021, 38, 100763.	7.3	4
11	A Novel Concept for Sustainable Food Production Utilizing Low Temperature Industrial Surplus Heat. Sustainability, 2021, 13, 9786.	3.2	3
12	Economic NMPC for heat-integrated chemical reactors. , 2017, , .		2
13	Control of the Steady-State Gradient of an Ammonia Reactor using Transient Measurements. Computer Aided Chemical Engineering, 2018, , 1111-1116.	0.5	2
14	Constrained adaptive sampling for domain reduction in surrogate model generation: Applications to hydrogen production. AICHE Journal, 2021, 67, e17357.	3.6	1