

Julian Straus

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1735530/publications.pdf>

Version: 2024-02-01

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