Maike Hennen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6822321/publications.pdf

Version: 2024-02-01

24	471	840776 11	752698 20
papers	citations	h-index	g-index

25	25	25	395
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Automated superstructure-based synthesis and optimization of distributed energy supply systems. Energy, 2013, 50, 374-388.	8.8	149
2	The optimum is not enough: A near-optimal solution paradigm for energy systems synthesis. Energy, 2015, 82, 446-456.	8.8	81
3	Design of low-carbon utility systems: Exploiting time-dependent grid emissions for climate-friendly demand-side management. Applied Energy, 2019, 247, 755-765.	10.1	41
4	RiSES3: Rigorous Synthesis of Energy Supply and Storage Systems via time-series relaxation and aggregation. Computers and Chemical Engineering, 2019, 127, 127-139.	3.8	35
5	Rigorous synthesis of energy systems by decomposition via time-series aggregation. Computers and Chemical Engineering, 2018, 112, 70-81.	3.8	30
6	Typical Periods for Two-Stage Synthesis by Time-Series Aggregation with Bounded Error in Objective Function. Frontiers in Energy Research, 2018, 5, .	2.3	27
7	Coordinating scheduling of production and utility system using a Stackelberg game. Energy, 2019, 175, 1283-1295.	8.8	17
8	DeLoop: Decomposition-based Long-term operational optimization of energy systems with time-coupling constraints. Energy, 2020, 198, 117272.	8.8	12
9	Towards low carbon business park energy systems: A holistic techno-economic optimisation model. Energy, 2017, 125, 747-770.	8.8	11
10	SPREAD â€“ Exploring the decision space in energy systems synthesis. Computers and Chemical Engineering, 2017, 106, 297-308.	3.8	11
11	Multi-objective synthesis of energy systems: Efficient identification of design trade-offs. Computers and Chemical Engineering, 2017, 97, 283-293.	3.8	11
12	Optimal (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.gif") Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 T design of distributed energy supply systems. Computers and Chemical Engineering, 2019, 121, 317-326.	3.8	11
13	Flexible here-and-now decisions for two-stage multi-objective optimization: method and application to energy system design selection. Optimization and Engineering, 2021, 22, 821-847.	2.4	9
14	Optimal design of integrated batch production and utility systems. Computers and Chemical Engineering, 2019, 128, 496-511.	3.8	7
15	Scheduling coordination of multiple production and utility systems in a multi-leader multi-follower Stackelberg game. Computers and Chemical Engineering, 2021, 150, 107321.	3.8	6
16	Synthesis and Optimization of Distributed Energy Supply Systems using Automated Superstructure and Model Generation. Computer Aided Chemical Engineering, 2012, , 1712-1716.	0.5	4
17	An Adaptive Normal Constraint Method for Bi-Objective Optimal Synthesis of Energy Systems. Computer Aided Chemical Engineering, 2014, , 1279-1284.	0.5	3
18	Integrated Synthesis of Batch Plants and Utility Systems. Computer Aided Chemical Engineering, 2017, , 625-630.	0.5	2

#	Article	IF	Citations
19	Rigorous synthesis of energy supply systems by time-series aggregation. Computer Aided Chemical Engineering, 2017, , 2413-2418.	0.5	1
20	Rigorous synthesis of energy systems by relaxation and time-series aggregation to typical periods. Computer Aided Chemical Engineering, 2018, , 793-798.	0.5	1
21	The Good, the Bad, and Your Real Choices â€“ Decision Support for Energy Systems Synthesis through Near-Optimal Solutions Analysis. Computer Aided Chemical Engineering, 2014, , 25-30.	0.5	1
22	Ensuring (n â^' 1)-reliability in the optimal design of distributed energy supply systems. Computer Aided Chemical Engineering, 2018, 43, 307-312.	0.5	0
23	From peak power prices to seasonal storage: Long-term operational optimization of energy systems by time-series decomposition. Computer Aided Chemical Engineering, 2019, 46, 703-708.	0.5	0
24	Coordination of multiple production and utility systems in a multi-leader multi-follower Stackelberg game. Computer Aided Chemical Engineering, 2019, , 697-702.	0.5	0