

# Cristina Elsidó

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3111139/publications.pdf>

Version: 2024-02-01

19  
papers

399  
citations

933447

10  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

329  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-stage MINLP algorithm for the optimal synthesis and design of networks of CHP units. Energy, 2017, 121, 403-426.	8.8	88
2	MINLP model and two-stage algorithm for the simultaneous synthesis of heat exchanger networks, utility systems and heat recovery cycles. Computers and Chemical Engineering, 2017, 106, 663-689.	3.8	57
3	Optimization of Organic Rankine Cycles for Waste Heat Recovery From Aluminum Production Plants. Frontiers in Energy Research, 2019, 7, .	2.3	37
4	A systematic methodology for the techno-economic optimization of Organic Rankine Cycles. Energy Procedia, 2017, 129, 26-33.	1.8	32
5	A bilevel decomposition method for the simultaneous heat integration and synthesis of steam/organic Rankine cycles. Computers and Chemical Engineering, 2019, 128, 228-245.	3.8	28
6	Heat integration and heat recovery steam cycle optimization for a low-carbon lignite/biomass-to-jet fuel demonstration project. Applied Energy, 2019, 239, 1322-1342.	10.1	27
7	Techno-economic prospects for producing Fischer-Tropsch jet fuel and electricity from lignite and woody biomass with CO2 capture for EOR. Applied Energy, 2020, 279, 115841.	10.1	26
8	Multiperiod optimization of heat exchanger networks with integrated thermodynamic cycles and thermal storages. Computers and Chemical Engineering, 2021, 149, 107293.	3.8	18
9	Flexible Power & Biomass-to-Methanol plants: Design optimization and economic viability of the electrolysis integration. Fuel, 2022, 310, 122113.	6.4	18
10	Design and analysis of a low-carbon lignite/biomass-to-jet fuel demonstration project. Applied Energy, 2020, 260, 114209.	10.1	17
11	A novel sequential synthesis algorithm for the integrated optimization of Rankine cycles and heat exchanger networks. Applied Thermal Engineering, 2021, 192, 116594.	6.0	11
12	Design Optimization and Dynamic Simulation of Steam Cycle Power Plants: A Review. Frontiers in Energy Research, 2021, 9, .	2.3	9
13	A general superstructure for the optimal synthesis and design of power and inverse Rankine cycles. Computer Aided Chemical Engineering, 2017, 40, 2407-2412.	0.5	8
14	Simultaneous synthesis and optimization of refrigeration cycles and heat exchangers networks. Applied Thermal Engineering, 2022, 206, 118052.	6.0	8
15	A Bilevel Decomposition Method for the Simultaneous Synthesis of Utility Systems, Rankine Cycles and Heat Exchanger Networks. Computer Aided Chemical Engineering, 2018, 43, 373-378.	0.5	6
16	Synthesis of Heat Exchanger Networks and Utility Systems: sequential initialization procedure and simultaneous MINLP algorithm. Computer Aided Chemical Engineering, 2016, 38, 1449-1454.	0.5	4
17	Simultaneous Multiperiod Optimization of Rankine Cycles and Heat Exchanger Networks. Computer Aided Chemical Engineering, 2020, , 1495-1500.	0.5	3
18	Preliminary analysis of the PreFlexMS molten salt once-through steam generator dynamics and control strategy. AIP Conference Proceedings, 2017, , .	0.4	2

#	ARTICLE	IF	CITATIONS
19	Simultaneous Synthesis and Optimization of Refrigeration Cycles and Heat Exchangers Networks. Computer Aided Chemical Engineering, 2021, 50, 1635-1640.	0.5	0