Cristina Elsido

List of Publications by Year
in descending order

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	Flexible Power & Biomass-to-Methanol plants: Design optimization and economic viability of the electrolysis integration. Fuel, 2022, 310, 122113.	6.4	18
2	Simultaneous synthesis and optimization of refrigeration cycles and heat exchangers networks. Applied Thermal Engineering, 2022, 206, 118052.	6.0	8
3	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
4	Multiperiod optimization of heat exchanger networks with integrated thermodynamic cycles and thermal storages. Computers and Chemical Engineering, 2021, 149, 107293.	3.8	18
5	Design Optimization and Dynamic Simulation of Steam Cycle Power Plants: A Review. Frontiers in Energy Research, 2021, 9, .	2.3	9
6	Simultaneous Synthesis and Optimization of Refrigeration Cycles and Heat Exchangers Networks. Computer Aided Chemical Engineering, 2021, 50, 1635-1640.	0.5	0
7	Design and analysis of a low-carbon lignite/biomass-to-jet fuel demonstration project. Applied Energy, 2020, 260, 114209.	10.1	17
8	Simultaneous Multiperiod Optimization of Rankine Cycles and Heat Exchanger Networks. Computer Aided Chemical Engineering, 2020, , 1495-1500.	0.5	3
9	Techno-economic prospects for producing Fischer-Tropsch jet fuel and electricity from lignite and woody biomass with CO_2 capture for EOR. Applied Energy, 2020, 279, 115841.	10.1	26
10	Optimization of Organic Rankine Cycles for Waste Heat Recovery From Aluminum Production Plants. Frontiers in Energy Research, 2019, 7, .	2.3	37
11	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
12	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
13	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
14	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
15	Two-stage MINLP algorithm for the optimal synthesis and design of networks of CHP units. Energy, 2017, 121, 403-426.	8.8	88
16	A systematic methodology for the techno-economic optimization of Organic Rankine Cycles. Energy Procedia, 2017, 129, 26-33.	1.8	32
17	Preliminary analysis of the PreFlexMS molten salt once-through steam generator dynamics and control strategy. AIP Conference Proceedings, 2017, , .	0.4	2
18	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

#	ARTICLE	IF	CITATIONS
19	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