

# RubÃ©n MocholÃ± MontaÃ±Ã©s

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5554320/publications.pdf>

Version: 2024-02-01

19  
papers

314  
citations

759233

12  
h-index

940533

16  
g-index

20  
all docs

20  
docs citations

20  
times ranked

226  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of the Transient Behaviors of Bubbling and Circulating Fluidized Bed Combustors. Heat Transfer Engineering, 2023, 44, 303-316.	1.9	6
2	Dynamic Modeling of the Reactive Side in Large-Scale Fluidized Bed Boilers. Industrial & Engineering Chemistry Research, 2021, 60, 3936-3956.	3.7	14
3	Compact Steam Bottoming Cycles: Minimum Weight Design Optimization and Transient Response of Once-Through Steam Generators. Frontiers in Energy Research, 2021, 9, .	2.3	7
4	Flexible operation of a combined cycle cogeneration plant â A techno-economic assessment. Applied Energy, 2020, 278, 115630.	10.1	29
5	Combined heat and power operational modes for increased product flexibility in a waste incineration plant. Energy, 2020, 202, 117696.	8.8	26
6	Carbon Allocation in Multi-Product Steel Mills That Coâprocess Biogenic and Fossil Feedstocks and Adopt Carbon Capture Utilization and Storage Technologies. Frontiers in Chemical Engineering, 2020, 2, .	2.7	1
7	Dynamic modeling for assessment of steam cycle operation in waste-fired combined heat and power plants. Energy Conversion and Management, 2019, 198, 111926.	9.2	19
8	Integrating carbon capture into an industrial combined-heat-and-power plant: performance with hourly and seasonal load changes. International Journal of Greenhouse Gas Control, 2019, 82, 192-203.	4.6	16
9	Experimental results of transient testing at the amine plant at Technology Centre Mongstad: Open-loop responses and performance of decentralized control structures for load changes. International Journal of Greenhouse Gas Control, 2018, 73, 42-59.	4.6	23
10	Dynamic Modeling of a Parabolic Trough Solar Thermal Power Plant with Thermal Storage Using Modelica. Heat Transfer Engineering, 2018, 39, 277-292.	1.9	29
11	Compact steam bottoming cycles: Model validation with plant data and evaluation of control strategies for fast load changes. Applied Thermal Engineering, 2018, 142, 334-345.	6.0	15
12	Demonstrating load-change transient performance of a commercial-scale natural gas combined cycle power plant with post-combustion CO <sub>2</sub> capture. International Journal of Greenhouse Gas Control, 2017, 63, 158-174.	4.6	46
13	Effects of CO <sub>2</sub> -Absorption Control Strategies on the Dynamic Performance of a Supercritical Pulverized-Coal-Fired Power Plant. Industrial & Engineering Chemistry Research, 2017, 56, 4415-4430.	3.7	22
14	Dynamic Process Model Development and Validation with Transient Plant Data Collected from an MEA Test Campaign at the CO <sub>2</sub> Technology Center Mongstad. Energy Procedia, 2017, 114, 1538-1550.	1.8	9
15	Dynamic Process Model Validation and Control of the Amine Plant at CO <sub>2</sub> Technology Centre Mongstad. Energies, 2017, 10, 1527.	3.1	25
16	Dynamic Simulations of the Post-combustion CO <sub>2</sub> Capture System of a Combined Cycle Power Plant. , 2017, , .		1
17	Dynamic Modeling and Simulation of an Offshore Combined Heat and Power (CHP) Plant. , 2017, , .		0
18	Identifying Operational Requirements for Flexible CCS Power Plant in Future Energy Systems. Energy Procedia, 2016, 86, 22-31.	1.8	26

#	ARTICLE	IF	CITATIONS
19	Extended Abstract: Operation of Carbon-Capture Integrated into Industrial Combined-Heat-and-Power Plants - Dependency on Hourly to Seasonal Load Changes. SSRN Electronic Journal, 0, , .	0.4	0