

RubÃ©n MocholÃ± MontaÃ±Ã©s

List of Publications by Year in descending order

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

#	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