

Maria Elena Diego de Paz

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

885
citations

567281

15
h-index

752698

20
g-index

24
all docs

24
docs citations

24
times ranked

713
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental investigation of the impacts of selective exhaust gas recirculation on a micro gas turbine. <i>International Journal of Greenhouse Gas Control</i> , 2019, 90, 102809.	4.6	12
2	Evaluation of the performance and economic viability of a novel low temperature carbon capture process. <i>International Journal of Greenhouse Gas Control</i> , 2019, 86, 1-9.	4.6	28
3	Simulation analysis of the catalytic cracking process of biomass pyrolysis oil with mixed catalysts: Optimization using the simplex lattice design. <i>International Journal of Energy Research</i> , 2018, 42, 2983-2996.	4.5	12
4	Techno-economic analysis of a hybrid CO ₂ capture system for natural gas combined cycles with selective exhaust gas recirculation. <i>Applied Energy</i> , 2018, 215, 778-791.	10.1	49
5	The Sustainable Option of Power from Fossil Fuels with Carbon Capture and Storage: An Overview of State-of-the-Art Technology. <i>Green Energy and Technology</i> , 2018, , 195-229.	0.6	1
6	Calcium looping performance under extreme oxy-fuel combustion conditions in the calciner. <i>Fuel</i> , 2018, 222, 711-717.	6.4	44
7	Evolution of the CO ₂ carrying capacity of CaO particles in a large calcium looping pilot plant. <i>International Journal of Greenhouse Gas Control</i> , 2017, 62, 69-75.	4.6	23
8	Operating Experience in la Pereda 1.7 MWth Calcium Looping Pilot. <i>Energy Procedia</i> , 2017, 114, 149-157.	1.8	18
9	Process Analysis of Selective Exhaust Gas Recirculation for CO ₂ Capture in Natural Gas Combined Cycle Power Plants Using Amines. <i>Journal of Engineering for Gas Turbines and Power</i> , 2017, 139, .	1.1	10
10	Making gasâ€CCS a commercial reality: The challenges of scaling up. , 2017, 7, 778-801.		13
11	Process Analysis of Selective Exhaust Gas Recirculation for CO ₂ Capture in Natural Gas Combined Cycle Power Plants Using Amines. , 2017, , .		2
12	Experimental testing of a sorbent reactivation process in La Pereda 1.7 MWth calcium looping pilot plant. <i>International Journal of Greenhouse Gas Control</i> , 2016, 50, 14-22.	4.6	40
13	Operational feasibility of biomass combustion with in situ CO ₂ capture by CaO during 360 h in a 300 kWth calcium looping facility. <i>Fuel</i> , 2016, 181, 325-329.	6.4	19
14	Analysis of a double calcium loop process configuration for CO ₂ capture in cement plants. <i>Journal of Cleaner Production</i> , 2016, 117, 110-121.	9.3	47
15	Investigations at a 10 kW th calcium looping dual fluidized bed facility: Limestone calcination and CO ₂ capture under high CO ₂ and water vapor atmosphere. <i>International Journal of Greenhouse Gas Control</i> , 2015, 33, 103-112.	4.6	41
16	Biomass combustion with in situ CO ₂ capture by CaO in a 300 kW th circulating fluidized bed facility. <i>International Journal of Greenhouse Gas Control</i> , 2014, 29, 142-152.	4.6	44
17	Determination of CaO Carbonation Kinetics under Recarbonation Conditions. <i>Energy & Fuels</i> , 2014, 28, 4033-4042.	5.1	58
18	Design of a Novel Fluidized Bed Reactor To Enhance Sorbent Performance in CO ₂ Capture Systems Using CaO. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 10059-10071.	3.7	33

#	ARTICLE	IF	CITATIONS
19	Calcium Looping with Enhanced Sorbent Performance: Experimental Testing in A Large Pilot Plant. Energy Procedia, 2014, 63, 2060-2069.	1.8	11
20	Investigation of SO ₂ Capture in a Circulating Fluidized Bed Carbonator of a Ca Looping Cycle. Industrial & Engineering Chemistry Research, 2013, 52, 2700-2706.	3.7	16
21	Demonstration of steady state CO ₂ capture in a 1.7MWth calcium looping pilot. International Journal of Greenhouse Gas Control, 2013, 18, 237-245.	4.6	279
22	The impact of calcium sulfate and inert solids accumulation in post-combustion calcium looping systems. Fuel, 2013, 109, 184-190.	6.4	30
23	Testing postcombustion CO ₂ capture with CaO in a 1.7 MWt pilot facility. Energy Procedia, 2013, 37, 1-8.	1.8	55
24	Selective Exhaust Gas Recycling in Gas Turbines with CO ₂ capture: A comprehensive technology assessment. SSRN Electronic Journal, 0, , .	0.4	0