Maria Elena Diego de Paz

List of Publications by Year
in descending order

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	Demonstration of steady state CO2 capture in a 1.7MWth calcium looping pilot. International Journal of Greenhouse Gas Control, 2013, 18, 237-245.	4.6	279
2	Determination of CaO Carbonation Kinetics under Recarbonation Conditions. Energy & Fuels, 2014, 28, 4033-4042.	5.1	58
3	Testing postcombustion CO2 capture with CaO in a 1.7 MWt pilot facility. Energy Procedia, 2013, 37, 1-8.	1.8	55
4	Techno-economic analysis of a hybrid CO2 capture system for natural gas combined cycles with selective exhaust gas recirculation. Applied Energy, 2018, 215, 778-791.	10.1	49
5	Analysis of a double calcium loop process configuration for CO2 capture in cement plants. Journal of Cleaner Production, 2016, 117, 110-121.	9.3	47
6	Biomass combustion with in situ CO 2 capture by CaO in a 300 kW th circulating fluidized bed facility. International Journal of Greenhouse Gas Control, 2014, 29, 142-152.	4.6	44
7	Calcium looping performance under extreme oxy-fuel combustion conditions in the calciner. Fuel, 2018, 222, 711-717.	6.4	44
8	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. International Journal of Greenhouse Gas Control, 2015, 33, 103-112.	4.6	41
9	Experimental testing of a sorbent reactivation process in La Pereda 1.7 MWth calcium looping pilot plant. International Journal of Greenhouse Gas Control, 2016, 50, 14-22.	4.6	40
10	Design of a Novel Fluidized Bed Reactor To Enhance Sorbent Performance in CO₂ Capture Systems Using CaO. Industrial & Engineering Chemistry Research, 2014, 53, 10059-10071.	3.7	33
11	The impact of calcium sulfate and inert solids accumulation in post-combustion calcium looping systems. Fuel, 2013, 109, 184-190.	6.4	30
12	Evaluation of the performance and economic viability of a novel low temperature carbon capture process. International Journal of Greenhouse Gas Control, 2019, 86, 1-9.	4.6	28
13	Evolution of the CO2 carrying capacity of CaO particles in a large calcium looping pilot plant. International Journal of Greenhouse Gas Control, 2017, 62, 69-75.	4.6	23
14	Operational feasibility of biomass combustion with in situ CO2 capture by CaO during 360 h in a 300 kWth calcium looping facility. Fuel, 2016, 181, 325-329.	6.4	19
15	Operating Experience in la Pereda 1.7 MWth Calcium Looping Pilot. Energy Procedia, 2017, 114, 149-157.	1.8	18
16	Investigation of SO₂ Capture in a Circulating Fluidized Bed Carbonator of a Ca Looping Cycle. Industrial & Engineering Chemistry Research, 2013, 52, 2700-2706.	3.7	16
17	Making gasâ€CCS a commercial reality: The challenges of scaling up. , 2017, 7, 778-801.		13
18	Simulation analysis of the catalytic cracking process of biomass pyrolysis oil with mixed catalysts: Optimization using the simplex lattice design. International Journal of Energy Research, 2018, 42, 2983-2996.	4.5	12

#	Article	IF	Citations
19	Experimental investigation of the impacts of selective exhaust gas recirculation on a micro gas turbine. International Journal of Greenhouse Gas Control, 2019, 90, 102809.	4.6	12
20	Calcium Looping with Enhanced Sorbent Performance: Experimental Testing in A Large Pilot Plant. Energy Procedia, 2014, 63, 2060-2069.	1.8	11
21	Process Analysis of Selective Exhaust Gas Recirculation for CO2 Capture in Natural Gas Combined Cycle Power Plants Using Amines. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	1.1	10
22	Process Analysis of Selective Exhaust Gas Recirculation for CO2 Capture in Natural Gas Combined Cycle Power Plants Using Amines. , 2017, , .		2
23	The Sustainable Option of Power from Fossil Fuels with Carbon Capture and Storage: An Overview of State-of-the-Art Technology. Green Energy and Technology, 2018, , 195-229.	0.6	1
24	Selective Exhaust Gas Recycling in Gas Turbines with CO2 capture: A comprehensive technology assessment. SSRN Electronic Journal, 0, , .	0.4	0