IÃ±aki AdÃ¡nez-Rubio

List of Publications by Year
in descending order

31 papers	1,629 citations	331259 21 h-index	454577 30 g-index
31 all docs	31 docs citations	31 times ranked	667 citing authors

#	Article	IF	Citations
1	Coal and biomass combustion with CO2 capture by CLOU process using a magnetic Fe-Mn-supported CuO oxygen carrier. Fuel, 2022, 314, 122742.	3.4	10
2	Exploratory study of polycyclic aromatic hydrocarbons occurrence and distribution in manure pyrolysis products. Journal of Analytical and Applied Pyrolysis, 2021, 155, 105078.	2.6	5
3	Cu-Mn oxygen carrier with improved mechanical resistance: Analyzing performance under CLC and CLOU environments. Fuel Processing Technology, 2021, 217, 106819.	3.7	13
4	Development of a magnetic Cu-based oxygen carrier for the chemical looping with oxygen uncoupling (CLOU) process. Fuel Processing Technology, 2021, 218, 106836.	3.7	23
5	Double perovskite (La2-xCa-Bax)NiO4 oxygen carriers for chemical looping reforming applications. International Journal of Hydrogen Energy, 2020, 45, 1681-1696.	3.8	21
6	Soot and char formation in the gasification of pig manure in a drop tube reactor. Fuel, 2020, 281, 118738.	3.4	14
7	Effect of H2S on the S-PAH formation during ethylene pyrolysis. Fuel, 2020, 276, 118033.	3.4	1
8	Performance Evaluation of a Cu-Based Oxygen Carrier Impregnated onto ZrO₂ for Chemical-Looping Combustion (CLC). Industrial & Engineering Chemistry Research, 2020, 59, 7255-7266.	1.8	27
9	Chemical looping with oxygen uncoupling: an advanced biomass combustion technology to avoid CO2 emissions. Mitigation and Adaptation Strategies for Global Change, 2019, 24, 1293-1306.	1.0	14
10	Comparative study of fuel-N and tar evolution in chemical looping combustion of biomass under both iG-CLC and CLOU modes. Fuel, 2019, 236, 598-607.	3.4	31
11	Assessment of low-cost oxygen carrier in South-western Colombia, and its use in the in-situ gasification chemical looping combustion technology. Fuel, 2018, 218, 417-424.	3.4	23
12	Chemical looping combustion of biomass: CLOU experiments with a Cu-Mn mixed oxide. Fuel Processing Technology, 2018, 172, 179-186.	3.7	61
13	CLOU process performance with a Cu-Mn oxygen carrier in the combustion of different types of coal with CO2 capture. Fuel, 2018, 212, 605-612.	3.4	33
14	S-PAH, oxy-PAH and EPA-PAH formation during ethylene-SO2 pyrolysis. Fuel Processing Technology, 2018, 182, 68-76.	3.7	5
15	Coal combustion with a spray granulated Cu-Mn mixed oxide for the Chemical Looping with Oxygen Uncoupling (CLOU) process. Applied Energy, 2017, 208, 561-570.	5.1	23
16	Spray granulated Cu-Mn oxygen carrier for chemical looping with oxygen uncoupling (CLOU) process. International Journal of Greenhouse Gas Control, 2017, 65, 76-85.	2.3	24
17	Process Comparison for Biomass Combustion: Inâ€…Situ Gasificationâ€Chemical Looping Combustion (iGâ€CLC) versus Chemical Looping with Oxygen Uncoupling (CLOU). Energy Technology, 2016, 4, 1130-1136.	1.8	50
18	Use of Hopcalite-Derived Cuâ€“Mn Mixed Oxide as Oxygen Carrier for Chemical Looping with Oxygen Uncoupling Process. Energy & Fuels, 2016, 30, 5953-5963.	2.5	26

#	Article	IF	Citations
19	Sulphur, nitrogen and mercury emissions from coal combustion with CO2 capture in chemical looping with oxygen uncoupling (CLOU). International Journal of Greenhouse Gas Control, 2016, 46, 28-38.	2.3	55
20	The fate of sulphur in the Cu-based Chemical Looping with Oxygen Uncoupling (CLOU) Process. Applied Energy, 2014, 113, 1855-1862.	5.1	66
21	Kinetic analysis of a Cu-based oxygen carrier: Relevance of temperature and oxygen partial pressure on reduction and oxidation reactions rates in Chemical Looping with Oxygen Uncoupling (CLOU). Chemical Engineering Journal, 2014, 256, 69-84.	6.6	96
22	Biomass combustion with CO2 capture by chemical looping with oxygen uncoupling (CLOU). Fuel Processing Technology, 2014, 124, 104-114.	3.7	129
23	Performance of CLOU process in the combustion of different types of coal with CO2 capture. International Journal of Greenhouse Gas Control, 2013, 12, 430-440.	2.3	88
24	Use of Chemical-Looping processes for coal combustion with CO2 capture. Energy Procedia, 2013, 37, 540-549.	1.8	41
25	Investigation of Combined Supports for Cu-Based Oxygen Carriers for Chemical-Looping with Oxygen Uncoupling (CLOU). Energy & Fuels, 2013, 27, 3918-3927.	2.5	65
26	Evaluation of a Spray-Dried CuO/MgAl₂O₄ Oxygen Carrier for the Chemical Looping with Oxygen Uncoupling Process. Energy & Fuels, 2012, 26, 3069-3081.	2.5	111
27	Demonstration of chemical-looping with oxygen uncoupling (CLOU) process in a 1.5kWth continuously operating unit using a Cu-based oxygen-carrier. International Journal of Greenhouse Gas Control, 2012, 6, 189-200.	2.3	234
28	Identification of operational regions in the Chemical-Looping with Oxygen Uncoupling (CLOU) process with a Cu-based oxygen carrier. Fuel, 2012, 102, 634-645.	3.4	70
29	Development of Cu-based oxygen carriers for Chemical-Looping with Oxygen Uncoupling (CLOU) process. Fuel, 2012, 96, 226-238.	3.4	198
30	Development of CuO-based oxygen-carrier materials suitable for Chemical-Looping with Oxygen Uncoupling (CLOU) process. Energy Procedia, 2011, 4, 417-424.	1.8	72
31	Chemical Looping Combustion of Biomass: Clou Experiments with a Cu-Mn Mixed Oxide. , 0, , .		0