

# Raúl Pérez-Vega

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1245113/publications.pdf>

Version: 2024-02-01

10  
papers

385  
citations

1040056

9  
h-index

1372567

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

260  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and operation of a 50 kWth Chemical Looping Combustion (CLC) unit for solid fuels. Applied Energy, 2015, 157, 295-303.	10.1	85
2	Coal combustion in a 50kWth Chemical Looping Combustion unit: Seeking operating conditions to maximize CO2 capture and combustion efficiency. International Journal of Greenhouse Gas Control, 2016, 50, 80-92.	4.6	69
3	Chemical Looping Combustion of gaseous and solid fuels with manganese-iron mixed oxide as oxygen carrier. Energy Conversion and Management, 2018, 159, 221-231.	9.2	61
4	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.	4.6	55
5	Coal combustion via Chemical Looping assisted by Oxygen Uncoupling with a manganese-iron mixed oxide doped with titanium. Fuel Processing Technology, 2020, 197, 106184.	7.2	33
6	Design and Operation of a Coal-fired 50 kWth Chemical Looping Combustor. Energy Procedia, 2014, 63, 63-72.	1.8	30
7	Novel Application of Pretreatment and Diagnostic Method Using Dynamic Pressure Fluctuations to Resolve and Detect Issues Related to Biogenic Residue Ash in Chemical Looping Gasification. Processes, 2020, 8, 1137.	2.8	20
8	Improving the efficiency of Chemical Looping Combustion with coal by using ring-type internals in the fuel reactor. Fuel, 2019, 250, 8-16.	6.4	11
9	Investigations on the Effect of Pre-Treatment of Wheat Straw on Ash-Related Issues in Chemical Looping Gasification (CLG) in Comparison with Woody Biomass. Energies, 2022, 15, 3422.	3.1	11
10	Novel magnetic manganese-iron materials for separation of solids used in high-temperature processes: Application to oxygen carriers for chemical looping combustion. Fuel, 2022, 320, 123901.	6.4	10