

# Raúl Páez-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

1039406

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1372195

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all docs

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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.  | 5.1 | 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.      | 2.3 | 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.  | 4.4 | 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.                   | 2.3 | 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.   | 3.7 | 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. | 1.3 | 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.   | 3.4 | 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.                                | 1.6 | 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.                        | 3.4 | 10        |