

Iñaki Adáñez-Rubio

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,629
citations

331259

21
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454577

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31
all docs

31
docs citations

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times ranked

667
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Demonstration of chemical-looping with oxygen uncoupling (CLOU) process in a 1.5kWth continuously operating unit using a Cu-based oxygen-carrier. <i>International Journal of Greenhouse Gas Control</i> , 2012, 6, 189-200. | 2.3 | 234 |
| 2 | Development of Cu-based oxygen carriers for Chemical-Looping with Oxygen Uncoupling (CLOU) process. <i>Fuel</i> , 2012, 96, 226-238. | 3.4 | 198 |
| 3 | Biomass combustion with CO ₂ capture by chemical looping with oxygen uncoupling (CLOU). <i>Fuel Processing Technology</i> , 2014, 124, 104-114. | 3.7 | 129 |
| 4 | Evaluation of a Spray-Dried CuO/MgAl ₂ O ₄ Oxygen Carrier for the Chemical Looping with Oxygen Uncoupling Process. <i>Energy & Fuels</i> , 2012, 26, 3069-3081. | 2.5 | 111 |
| 5 | 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). <i>Chemical Engineering Journal</i> , 2014, 256, 69-84. | 6.6 | 96 |
| 6 | Performance of CLOU process in the combustion of different types of coal with CO ₂ capture. <i>International Journal of Greenhouse Gas Control</i> , 2013, 12, 430-440. | 2.3 | 88 |
| 7 | Development of CuO-based oxygen-carrier materials suitable for Chemical-Looping with Oxygen Uncoupling (CLOU) process. <i>Energy Procedia</i> , 2011, 4, 417-424. | 1.8 | 72 |
| 8 | Identification of operational regions in the Chemical-Looping with Oxygen Uncoupling (CLOU) process with a Cu-based oxygen carrier. <i>Fuel</i> , 2012, 102, 634-645. | 3.4 | 70 |
| 9 | The fate of sulphur in the Cu-based Chemical Looping with Oxygen Uncoupling (CLOU) Process. <i>Applied Energy</i> , 2014, 113, 1855-1862. | 5.1 | 66 |
| 10 | Investigation of Combined Supports for Cu-Based Oxygen Carriers for Chemical-Looping with Oxygen Uncoupling (CLOU). <i>Energy & Fuels</i> , 2013, 27, 3918-3927. | 2.5 | 65 |
| 11 | Chemical looping combustion of biomass: CLOU experiments with a Cu-Mn mixed oxide. <i>Fuel Processing Technology</i> , 2018, 172, 179-186. | 3.7 | 61 |
| 12 | Sulphur, nitrogen and mercury emissions from coal combustion with CO ₂ capture in chemical looping with oxygen uncoupling (CLOU). <i>International Journal of Greenhouse Gas Control</i> , 2016, 46, 28-38. | 2.3 | 55 |
| 13 | Process Comparison for Biomass Combustion: In Situ Gasification Chemical Looping Combustion (iGCLC) versus Chemical Looping with Oxygen Uncoupling (CLOU). <i>Energy Technology</i> , 2016, 4, 1130-1136. | 1.8 | 50 |
| 14 | Use of Chemical-Looping processes for coal combustion with CO ₂ capture. <i>Energy Procedia</i> , 2013, 37, 540-549. | 1.8 | 41 |
| 15 | CLOU process performance with a Cu-Mn oxygen carrier in the combustion of different types of coal with CO ₂ capture. <i>Fuel</i> , 2018, 212, 605-612. | 3.4 | 33 |
| 16 | Comparative study of fuel-N and tar evolution in chemical looping combustion of biomass under both iG-CLC and CLOU modes. <i>Fuel</i> , 2019, 236, 598-607. | 3.4 | 31 |
| 17 | Performance Evaluation of a Cu-Based Oxygen Carrier Impregnated onto ZrO ₂ for Chemical-Looping Combustion (CLC). <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 7255-7266. | 1.8 | 27 |
| 18 | Use of Hopcalite-Derived Cu-Mn Mixed Oxide as Oxygen Carrier for Chemical Looping with Oxygen Uncoupling Process. <i>Energy & Fuels</i> , 2016, 30, 5953-5963. | 2.5 | 26 |

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|----|---|-----|-----------|
| 19 | Spray granulated Cu-Mn oxygen carrier for chemical looping with oxygen uncoupling (CLOU) process. <i>International Journal of Greenhouse Gas Control</i> , 2017, 65, 76-85. | 2.3 | 24 |
| 20 | Coal combustion with a spray granulated Cu-Mn mixed oxide for the Chemical Looping with Oxygen Uncoupling (CLOU) process. <i>Applied Energy</i> , 2017, 208, 561-570. | 5.1 | 23 |
| 21 | Assessment of low-cost oxygen carrier in South-western Colombia, and its use in the in-situ gasification chemical looping combustion technology. <i>Fuel</i> , 2018, 218, 417-424. | 3.4 | 23 |
| 22 | Development of a magnetic Cu-based oxygen carrier for the chemical looping with oxygen uncoupling (CLOU) process. <i>Fuel Processing Technology</i> , 2021, 218, 106836. | 3.7 | 23 |
| 23 | Double perovskite (La _{2-x} Ca _x)NiO ₄ oxygen carriers for chemical looping reforming applications. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 1681-1696. | 3.8 | 21 |
| 24 | Chemical looping with oxygen uncoupling: an advanced biomass combustion technology to avoid CO ₂ emissions. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2019, 24, 1293-1306. | 1.0 | 14 |
| 25 | Soot and char formation in the gasification of pig manure in a drop tube reactor. <i>Fuel</i> , 2020, 281, 118738. | 3.4 | 14 |
| 26 | Cu-Mn oxygen carrier with improved mechanical resistance: Analyzing performance under CLC and CLOU environments. <i>Fuel Processing Technology</i> , 2021, 217, 106819. | 3.7 | 13 |
| 27 | Coal and biomass combustion with CO ₂ capture by CLOU process using a magnetic Fe-Mn-supported CuO oxygen carrier. <i>Fuel</i> , 2022, 314, 122742. | 3.4 | 10 |
| 28 | S-PAH, oxy-PAH and EPA-PAH formation during ethylene-SO ₂ pyrolysis. <i>Fuel Processing Technology</i> , 2018, 182, 68-76. | 3.7 | 5 |
| 29 | Exploratory study of polycyclic aromatic hydrocarbons occurrence and distribution in manure pyrolysis products. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 155, 105078. | 2.6 | 5 |
| 30 | Effect of H ₂ S on the S-PAH formation during ethylene pyrolysis. <i>Fuel</i> , 2020, 276, 118033. | 3.4 | 1 |
| 31 | Chemical Looping Combustion of Biomass: Clou Experiments with a Cu-Mn Mixed Oxide. , 0, , . | | 0 |