# Cristina Dueso

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2708598/publications.pdf

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|---|---|---|---|
| 20 papers | 1,415 citations | 430843 18 h-index | 752679 20 g-index |
| 20 all docs | 20 docs citations | 20 times ranked | 1119 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Overcoming chemical equilibrium limitations using a thermodynamically reversible chemical reactor. Nature Chemistry, 2019, 11, 638-643. | 13.6 | 53 |
| 2 | New approach to materials behaviour studies in high-speed flue gas from oxy-steam combustion. Fuel, 2019, 245, 586-593. | 6.4 | 1 |
| 3 | Towards oxy-steam combustion: The effect of increasing the steam concentration on coal reactivity. Fuel, 2019, 239, 534-546. | 6.4 | 32 |
| 4 | Performance and emissions of a diesel engine using sunflower biodiesel with a renewable antioxidant additive from bio-oil. Fuel, 2018, 234, 276-285. | 6.4 | 70 |
| 5 | High-stability, high-capacity oxygen carriers: Iron oxide-perovskite composite materials for hydrogen production by chemical looping. Applied Energy, 2015, 157, 382-390. | 10.1 | 54 |
| 6 | H2FC SUPERGEN: An overview of the Hydrogen and Fuel Cell research across the UK. International Journal of Hydrogen Energy, 2015, 40, 5534-5543. | 7.1 | 21 |
| 7 | Performance of a highly reactive impregnated Fe2O3/Al2O3 oxygen carrier with CH4 and H2S in a 500Wth CLC unit. Fuel, 2014, 121, 117-125. | 6.4 | 99 |
| 8 | Evaluation of a highly reactive and sulfur resistant synthetic Fe-based oxygen carrier for CLC using gaseous fuels. Energy Procedia, 2013, 37, 580-587. | 1.8 | 4 |
| 9 | Chemical-looping combustion of solid fuels in a 10 kW reactor system using natural minerals as oxygen carrier. Energy Procedia, 2013, 37, 598-607. | 1.8 | 37 |
| 10 | CaMn<sub>0.9</sub>Mg<sub>0.1</sub>O<sub>3-Î´</sub> as Oxygen Carrier in a Gas-Fired 10 kW<sub>th</sub>Chemical-Looping Combustion Unit. Industrial & Engineering Chemistry Research, 2013, 52, 6923-6932. | 3.7 | 92 |
| 11 | Effect of H2S on the behaviour of an impregnated NiO-based oxygen-carrier for chemical-looping combustion (CLC). Applied Catalysis B: Environmental, 2012, 126, 186-199. | 20.2 | 50 |
| 12 | Reduction and oxidation kinetics of nickel-based oxygen-carriers for chemical-looping combustion and chemical-looping reforming. Chemical Engineering Journal, 2012, 188, 142-154. | 12.7 | 163 |
| 13 | Reactivity of a NiO/Al2O3 oxygen carrier prepared by impregnation for chemical-looping combustion. Fuel, 2010, 89, 3399-3409. | 6.4 | 88 |
| 14 | Syngas combustion in a chemical-looping combustion system using an impregnated Ni-based oxygen carrier. Fuel, 2009, 88, 2357-2364. | 6.4 | 96 |
| 15 | NiO/Al2O3 oxygen carriers for chemical-looping combustion prepared by impregnation and depositionâ€“precipitation methods. Fuel, 2009, 88, 1016-1023. | 6.4 | 108 |
| 16 | Effect of gas impurities on the behavior of Ni-based oxygen carriers on chemical-looping combustion. Energy Procedia, 2009, 1, 11-18. | 1.8 | 19 |
| 17 | Methane Combustion in a 500 W<sub>th</sub> Chemical-Looping Combustion System Using an Impregnated Ni-Based Oxygen Carrier. Energy & Fuels, 2009, 23, 130-142. | 5.1 | 134 |
| 18 | Effect of Fuel Gas Composition in Chemical-Looping Combustion with Ni-Based Oxygen Carriers. 1. Fate of Sulfur. Industrial & Engineering Chemistry Research, 2009, 48, 2499-2508. | 3.7 | 99 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Effect of Fuel Gas Composition in Chemical-Looping Combustion with Ni-Based Oxygen Carriers. 2. Fate of Light Hydrocarbons. Industrial & Engineering Chemistry Research, 2009, 48, 2509-2518. | 3.7 | 43 |
| 20 | Effect of support on reactivity and selectivity of Ni-based oxygen carriers for chemical-looping combustion. Fuel, 2008, 87, 2641-2650. | 6.4 | 152 |