

# Anthony De Girolamo

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

416  
citations

840119

11  
h-index

996533

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all docs

15  
docs citations

15  
times ranked

361  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Inhibition of lignite ash slagging and fouling upon the use of a silica-based additive in an industrial pulverised coal-fired boiler. Part 1. Changes on the properties of ash deposits along the furnace. Fuel, 2015, 139, 720-732.                | 3.4 | 95        |
| 2  | Characteristics of Ash Deposits in a Pulverized Lignite Coal-Fired Boiler and the Mass Flow of Major Ash-Forming Inorganic Elements. Energy & Fuels, 2013, 27, 6198-6211.   | 2.5 | 70        |
| 3  | Catalytic performance of scrap tyre char for the upgrading of eucalyptus pyrolysis derived bio-oil via cracking and deoxygenation. Journal of Analytical and Applied Pyrolysis, 2019, 139, 167-176.   | 2.6 | 44        |
| 4  | Inhibition of lignite ash slagging and fouling upon the use of a silica-based additive in an industrial pulverised coal-fired boiler: Part 2. Speciation of iron in ash deposits and separation of magnetite and ferrite. Fuel, 2015, 139, 733-745. | 3.4 | 35        |
| 5  | Scrap tyre pyrolysis: Modified chemical percolation devolatilization (M-CPD) to describe the influence of pyrolysis conditions on product yields. Waste Management, 2018, 76, 516-527.  | 3.7 | 26        |
| 6  | Influence of biomass blends on the particle temperature and burnout characteristics during oxy-fuel co-combustion of coal. Journal of the Energy Institute, 2020, 93, 1-14.   | 2.7 | 24        |
| 7  | Energy Evaluation and Techno-economic Analysis of Low-Rank Coal (Victorian Brown Coal) Utilization for the Production of Multi-products in a Drying&quot;Pyrolysis Process. Energy & Fuels, 2018, 32, 3211-3224.                                    | 2.5 | 22        |
| 8  | Inhibition of lignite ash slagging and fouling upon the use of a silica-based additive in an industrial pulverised coal-fired boiler: Part 3 &quot; Partitioning of trace elements. Fuel, 2015, 139, 746-756.                                       | 3.4 | 17        |
| 9  | Ignitability and Combustibility of Yallourn Pyrolysis Char Blended with Pulverized Coal Injection Coal under Simulated Blast Furnace Conditions. Energy & Fuels, 2016, 30, 1858-1868.   | 2.5 | 15        |
| 10 | Ignitability and combustibility of Yallourn pyrolysis char under simulated blast furnace conditions. Fuel Processing Technology, 2017, 156, 113-123.  | 3.7 | 14        |
| 11 | Secondary reactions of volatiles upon the influences of particle temperature discrepancy and gas environment during the pyrolysis of scrap tyre chips. Fuel, 2020, 259, 116291.   | 3.4 | 14        |
| 12 | Pyrolysis of a lignite briquette &quot; Experimental investigation and 1-dimensional modelling approach. Fuel, 2018, 212, 533-545.  | 3.4 | 11        |
| 13 | Pyrohydrolysis of CaCl <sub>2</sub> Waste for the Recovery of HCl Acid upon the Synergistic Effects from MgCl <sub>2</sub> and Silica. ACS Sustainable Chemistry and Engineering, 2019, 7, 3349-3355.   | 3.2 | 10        |
| 14 | Co-Gasification of Treated Solid Recovered Fuel Residue by Using Minerals Bed and Biomass Waste Blends. Energies, 2020, 13, 2081.   | 1.6 | 10        |
| 15 | Emission of Organically Bound Elements during the Pyrolysis and Char Oxidation of Lignites in Air and Oxyfuel Combustion Mode. Energy & Fuels, 2014, 28, 4167-4176.   | 2.5 | 9         |