

# AgustÃ-n G Barneto

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

661  
citations

567281

15  
h-index

642732

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

960  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Kinetic models based in biomass components for the combustion and pyrolysis of sewage sludge and its compost. <i>Journal of Analytical and Applied Pyrolysis</i> , 2009, 86, 108-114.                   | 5.5  | 81        |
| 2  | Simulation of the thermogravimetry analysis of three non-wood pulps. <i>Bioresource Technology</i> , 2010, 101, 3220-3229.  | 9.6  | 78        |
| 3  | Use of autocatalytic kinetics to obtain composition of lignocellulosic materials. <i>Bioresource Technology</i> , 2009, 100, 3963-3973.   | 9.6  | 56        |
| 4  | Effects of the Composting and the Heating Rate on Biomass Gasification. <i>Energy &amp; Fuels</i> , 2009, 23, 951-957.  | 5.1  | 53        |
| 5  | Investigating the structure–effect relationships of various natural phenols used as laccase mediators in the biobleaching of kenaf and sisal pulps. <i>Bioresource Technology</i> , 2012, 112, 327-335. | 9.6  | 50        |
| 6  | Characterization of a bacterioruberin-producing <i>Halorubrum</i> archaea isolated from the marshlands of the Odiel river in the southwest of Spain. <i>Biotechnology Progress</i> , 2016, 32, 592-600. | 2.6  | 44        |
| 7  | Kinetic study on the thermal degradation of a biomass and its compost: Composting effect on hydrogen production. <i>Fuel</i> , 2010, 89, 462-473.   | 6.4  | 38        |
| 8  | Thermogravimetric measurement of amorphous cellulose content in flax fibre and flax pulp. <i>Cellulose</i> , 2011, 18, 17-31.   | 4.9  | 33        |
| 9  | Use of Thermogravimetry/Mass Spectrometry Analysis to Explain the Origin of Volatiles Produced during Biomass Pyrolysis. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 7430-7436.  | 3.7  | 30        |
| 10 | Gas production during the pyrolysis and gasification of biological and physico-chemical sludges from oil refinery. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 103, 167-172.             | 5.5  | 30        |
| 11 | Studying the effects of laccase treatment in a softwood dissolving pulp: Cellulose reactivity and crystallinity. <i>Carbohydrate Polymers</i> , 2015, 119, 53-61.                                       | 10.2 | 25        |
| 12 | Use of thermogravimetric analysis to monitor the effects of natural laccase mediators on flax pulp. <i>Bioresource Technology</i> , 2011, 102, 6554-6561.   | 9.6  | 22        |
| 13 | Thermal characterization of new fire-insulating materials from industrial inorganic TiO <sub>2</sub> wastes. <i>Thermochimica Acta</i> , 2013, 552, 114-122.  | 2.7  | 20        |
| 14 | Eucalyptus kraft pulp production: Thermogravimetry monitoring. <i>Thermochimica Acta</i> , 2011, 520, 110-120.  | 2.7  | 18        |
| 15 | Effect of the Previous Composting on Volatiles Production during Biomass Pyrolysis. <i>Journal of Physical Chemistry A</i> , 2010, 114, 3756-3763.  | 2.5  | 17        |
| 16 | Thermogravimetric monitoring of oil refinery sludge. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 105, 8-13.  | 5.5  | 15        |
| 17 | Modelling of pyrolysis and combustion of gluten–glycerol-based bioplastics. <i>Bioresource Technology</i> , 2011, 102, 6246-6253.   | 9.6  | 13        |
| 18 | Thermogravimetric Monitoring of Crude Oil and Its Cuts in an Oil Refinery. <i>Energy &amp; Fuels</i> , 2015, 29, 2250-2260.   | 5.1  | 13        |

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|----|--|-----|-----------|
| 19 | A new biobleaching sequence for kenaf pulp: Influence of the chemical nature of the mediator and thermogravimetric analysis of the pulp. <i>Bioresource Technology</i> , 2013, 130, 431-438. | 9.6 | 8         |
| 20 | Thermogravimetry study of xylanase- and laccase/mediator-treated eucalyptus pulp fibres. <i>Bioresource Technology</i> , 2011, 102, 9033-9039.   | 9.6 | 7         |
| 21 | Comparative Study of the Effects Induced by Different Laccase-Based Systems on Sisal Cellulose Fibers. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 3895-3902.         | 3.7 | 5         |
| 22 | Thermogravimetric assessment of thermal degradation in asphaltenes. <i>Thermochimica Acta</i> , 2016, 627-629, 1-8.  | 2.7 | 3         |
| 23 | Influence of enzyme and chemical adsorption on the thermal degradation path for eucalyptus pulp. <i>Thermochimica Acta</i> , 2013, 551, 62-69.   | 2.7 | 2         |
| 24 | Moisture profile determination in urea prill. II. Fertiliser caking implications. <i>Journal of the Science of Food and Agriculture</i> , 2007, 87, 1917-1924.                               | 3.5 | 0         |
| 25 | Moisture profile determination in urea prill. I. <i>Journal of the Science of Food and Agriculture</i> , 2007, 87, 2217-2221.  | 3.5 | 0         |