

Gartzen Lopez

List of Publications by Year in descending order

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137
papers

10,754
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17429

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33869

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139
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docs citations

139
times ranked

5403
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Role of temperature in the biomass steam pyrolysis in a conical spouted bed reactor. <i>Energy</i> , 2022, 238, 122053. | 4.5 | 33 |
| 2 | The pyrolysis study of polybutadiene rubber under different structural and process parameters: comparison with polyvinyl chloride degradation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 1237-1249. | 2.0 | 1 |
| 3 | Analysis of hydrogen production potential from waste plastics by pyrolysis and in line oxidative steam reforming. <i>Fuel Processing Technology</i> , 2022, 225, 107044. | 3.7 | 50 |
| 4 | Conditioning the volatile stream from biomass fast pyrolysis for the attenuation of steam reforming catalyst deactivation. <i>Fuel</i> , 2022, 312, 122910. | 3.4 | 22 |
| 5 | Activity and stability of different Fe loaded primary catalysts for tar elimination. <i>Fuel</i> , 2022, 317, 123457. | 3.4 | 12 |
| 6 | Hydrogen generation from biomass by pyrolysis. <i>Nature Reviews Methods Primers</i> , 2022, 2, . | 11.8 | 55 |
| 7 | An analysis of hydrogen production potential through the in-line oxidative steam reforming of different pyrolysis volatiles. <i>Journal of Analytical and Applied Pyrolysis</i> , 2022, 163, 105482. | 2.6 | 8 |
| 8 | Plasma-Catalytic Reforming of Naphthalene and Toluene as Biomass Tar over Honeycomb Catalysts in a Gliding Arc Reactor. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 8958-8969. | 3.2 | 13 |
| 9 | Assessment of product yields and catalyst deactivation in fixed and fluidized bed reactors in the steam reforming of biomass pyrolysis volatiles. <i>Chemical Engineering Research and Design</i> , 2021, 145, 52-62. | 2.7 | 32 |
| 10 | Influence of temperature on products from fluidized bed pyrolysis of wood and solid recovered fuel. <i>Fuel</i> , 2021, 283, 118922. | 3.4 | 27 |
| 11 | Selective production of light olefins and hydrogen from waste plastics by pyrolysis and in-line transformation. , 2021, , 265-289. | | 0 |
| 12 | Pyrolysis of plastic wastes in a fountain confined conical spouted bed reactor: Determination of stable operating conditions. <i>Energy Conversion and Management</i> , 2021, 229, 113768. | 4.4 | 63 |
| 13 | CFD modeling and experimental validation of biomass fast pyrolysis in a conical spouted bed reactor. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 154, 105011. | 2.6 | 20 |
| 14 | Conversion of HDPE into Value Products by Fast Pyrolysis Using FCC Spent Catalysts in a Fountain Confined Conical Spouted Bed Reactor. <i>ChemSusChem</i> , 2021, 14, 4291-4300. | 3.6 | 22 |
| 15 | Fe/olivine as primary catalyst in the biomass steam gasification in a fountain confined spouted bed reactor. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 99, 364-379. | 2.9 | 39 |
| 16 | In line upgrading of biomass fast pyrolysis products using low-cost catalysts. <i>Fuel</i> , 2021, 296, 120682. | 3.4 | 26 |
| 17 | Progress on Catalyst Development for the Steam Reforming of Biomass and Waste Plastics Pyrolysis Volatiles: A Review. <i>Energy & Fuels</i> , 2021, 35, 17051-17084. | 2.5 | 106 |
| 18 | Sorption enhanced ethanol steam reforming on a bifunctional Ni/CaO catalyst for H ₂ production. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106725. | 3.3 | 26 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Effect of CeO ₂ and MgO promoters on the performance of a Ni/Al ₂ O ₃ catalyst in the steam reforming of biomass pyrolysis volatiles. <i>Fuel Processing Technology</i> , 2020, 198, 106223. | 3.7 | 68 |
| 20 | Investigation of hot char catalytic role in the pyrolysis of waste tires in a two-step process. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020, 146, 104770. | 2.6 | 43 |
| 21 | Effect of La ₂ O ₃ promotion on a Ni/Al ₂ O ₃ catalyst for H ₂ production in the in-line biomass pyrolysis-reforming. <i>Fuel</i> , 2020, 262, 116593. | 3.4 | 51 |
| 22 | Microwaving plastic into hydrogen and carbons. <i>Nature Catalysis</i> , 2020, 3, 861-862. | 16.1 | 8 |
| 23 | Catalytic steam reforming of biomass fast pyrolysis volatiles over Ni-Co bimetallic catalysts. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 91, 167-181. | 2.9 | 62 |
| 24 | CeO ₂ and La ₂ O ₃ Promoters in the Steam Reforming of Polyolefinic Waste Plastic Pyrolysis Volatiles on Ni-Based Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17307-17321. | 3.2 | 33 |
| 25 | On the pyrolysis of different microalgae species in a conical spouted bed reactor: Bio-fuel yields and characterization. <i>Bioresource Technology</i> , 2020, 311, 123561. | 4.8 | 52 |
| 26 | Waste tyre valorization by catalytic pyrolysis – A review. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 129, 109932. | 8.2 | 169 |
| 27 | Thermodynamic assessment of the oxidative steam reforming of biomass fast pyrolysis volatiles. <i>Energy Conversion and Management</i> , 2020, 214, 112889. | 4.4 | 27 |
| 28 | Editorial Catalysts: Special Issue on Catalytic Pyrolysis. <i>Catalysts</i> , 2020, 10, 487. | 1.6 | 0 |
| 29 | Experimental study and modeling of biomass char gasification kinetics in a novel thermogravimetric flow reactor. <i>Chemical Engineering Journal</i> , 2020, 396, 125200. | 6.6 | 31 |
| 30 | Waste Plastics Valorization by Fast Pyrolysis and in Line Catalytic Steam Reforming for Hydrogen Production. , 2020, , . | | 4 |
| 31 | Influence of reactor and condensation system design on tyre pyrolysis products yields. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 143, 104683. | 2.6 | 27 |
| 32 | Effect of calcination conditions on the performance of Ni/MgO-Al ₂ O ₃ catalysts in the steam reforming of biomass fast pyrolysis volatiles. <i>Catalysis Science and Technology</i> , 2019, 9, 3947-3963. | 2.1 | 32 |
| 33 | Implementation of a borescopic technique in a conical spouted bed for tracking spherical and irregular particles. <i>Chemical Engineering Journal</i> , 2019, 374, 39-48. | 6.6 | 13 |
| 34 | Behaviour of primary catalysts in the biomass steam gasification in a fountain confined spouted bed. <i>Fuel</i> , 2019, 253, 1446-1456. | 3.4 | 73 |
| 35 | Kinetic modeling and experimental validation of biomass fast pyrolysis in a conical spouted bed reactor. <i>Chemical Engineering Journal</i> , 2019, 373, 677-686. | 6.6 | 42 |
| 36 | Catalyst Performance in the HDPE Pyrolysis-Reforming under Reaction-Regeneration Cycles. <i>Catalysts</i> , 2019, 9, 414. | 1.6 | 17 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | Co-pyrolysis of binary and ternary mixtures of microalgae, wood and waste tires through TGA. <i>Renewable Energy</i> , 2019, 142, 264-271. | 4.3 | 35 |
| 38 | Coupling gas flow pattern and kinetics for tyre pyrolysis modelling. <i>Chemical Engineering Science</i> , 2019, 201, 362-372. | 1.9 | 12 |
| 39 | Evolution of biomass char features and their role in the reactivity during steam gasification in a conical spouted bed reactor. <i>Energy Conversion and Management</i> , 2019, 181, 214-222. | 4.4 | 51 |
| 40 | Improving bio-oil properties through the fast co-pyrolysis of lignocellulosic biomass and waste tyres. <i>Waste Management</i> , 2019, 85, 385-395. | 3.7 | 99 |
| 41 | Stability of different Ni supported catalysts in the in-line steam reforming of biomass fast pyrolysis volatiles. <i>Applied Catalysis B: Environmental</i> , 2019, 242, 109-120. | 10.8 | 95 |
| 42 | Advantages of confining the fountain in a conical spouted bed reactor for biomass steam gasification. <i>Energy</i> , 2018, 153, 455-463. | 4.5 | 51 |
| 43 | Evaluation of thermochemical routes for hydrogen production from biomass: A review. <i>Energy Conversion and Management</i> , 2018, 165, 696-719. | 4.4 | 341 |
| 44 | Influence of the support on Ni catalysts performance in the in-line steam reforming of biomass fast pyrolysis derived volatiles. <i>Applied Catalysis B: Environmental</i> , 2018, 229, 105-113. | 10.8 | 88 |
| 45 | Influence of the conditions for reforming HDPE pyrolysis volatiles on the catalyst deactivation by coke. <i>Fuel Processing Technology</i> , 2018, 171, 100-109. | 3.7 | 24 |
| 46 | Role of operating conditions in the catalyst deactivation in the in-line steam reforming of volatiles from biomass fast pyrolysis. <i>Fuel</i> , 2018, 216, 233-244. | 3.4 | 73 |
| 47 | Valorization of citrus wastes by fast pyrolysis in a conical spouted bed reactor. <i>Fuel</i> , 2018, 224, 111-120. | 3.4 | 103 |
| 48 | Recent advances in the gasification of waste plastics. A critical overview. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 576-596. | 8.2 | 506 |
| 49 | Valorisation of different waste plastics by pyrolysis and in-line catalytic steam reforming for hydrogen production. <i>Energy Conversion and Management</i> , 2018, 156, 575-584. | 4.4 | 136 |
| 50 | Performance of a Ni/ZrO ₂ catalyst in the steam reforming of the volatiles derived from biomass pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 136, 222-231. | 2.6 | 35 |
| 51 | Kinetic study of the catalytic reforming of biomass pyrolysis volatiles over a commercial Ni/Al ₂ O ₃ catalyst. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 12023-12033. | 3.8 | 24 |
| 52 | Regenerability of a Ni catalyst in the catalytic steam reforming of biomass pyrolysis volatiles. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 68, 69-78. | 2.9 | 43 |
| 53 | Role of temperature on gasification performance and tar composition in a fountain enhanced conical spouted bed reactor. <i>Energy Conversion and Management</i> , 2018, 171, 1589-1597. | 4.4 | 75 |
| 54 | Bio-oil production. , 2018, , 173-202. | | 3 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Thermochemical routes for the valorization of waste polyolefinic plastics to produce fuels and chemicals. A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 73, 346-368. | 8.2 | 557 |
| 56 | Hydrogen-rich gas production by continuous pyrolysis and in-line catalytic reforming of pine wood waste and HDPE mixtures. <i>Energy Conversion and Management</i> , 2017, 136, 192-201. | 4.4 | 109 |
| 57 | Fountain confined conical spouted beds. <i>Powder Technology</i> , 2017, 312, 334-346. | 2.1 | 47 |
| 58 | Evaluation of the properties of tyre pyrolysis oils obtained in a conical spouted bed reactor. <i>Energy</i> , 2017, 128, 463-474. | 4.5 | 94 |
| 59 | Assessment of a conical spouted with an enhanced fountain bed for biomass gasification. <i>Fuel</i> , 2017, 203, 825-831. | 3.4 | 59 |
| 60 | Waste truck-tyre processing by flash pyrolysis in a conical spouted bed reactor. <i>Energy Conversion and Management</i> , 2017, 142, 523-532. | 4.4 | 141 |
| 61 | Kinetic Modeling of the Catalytic Steam Reforming of High-Density Polyethylene Pyrolysis Volatiles. <i>Energy & Fuels</i> , 2017, 31, 12645-12653. | 2.5 | 14 |
| 62 | Olefina arinen ekoizpena hondakin plastikoetatik. <i>Ekaia (journal)</i> , 2017, , . | 0.0 | 0 |
| 63 | Preparation of adsorbents from sewage sludge pyrolytic char by carbon dioxide activation. <i>Chemical Engineering Research and Design</i> , 2016, 103, 76-86. | 2.7 | 51 |
| 64 | Characterization of the bio-oil obtained by fast pyrolysis of sewage sludge in a conical spouted bed reactor. <i>Fuel Processing Technology</i> , 2016, 149, 169-175. | 3.7 | 101 |
| 65 | Steam reforming of plastic pyrolysis model hydrocarbons and catalyst deactivation. <i>Applied Catalysis A: General</i> , 2016, 527, 152-160. | 2.2 | 42 |
| 66 | Pyrolysis and in-line catalytic steam reforming of polystyrene through a two-step reaction system. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 122, 502-510. | 2.6 | 68 |
| 67 | Assessment of steam gasification kinetics of the char from lignocellulosic biomass in a conical spouted bed reactor. <i>Energy</i> , 2016, 107, 493-501. | 4.5 | 60 |
| 68 | A sequential process for hydrogen production based on continuous HDPE fast pyrolysis and in-line steam reforming. <i>Chemical Engineering Journal</i> , 2016, 296, 191-198. | 6.6 | 115 |
| 69 | Hydrogen production from biomass by continuous fast pyrolysis and in-line steam reforming. <i>RSC Advances</i> , 2016, 6, 25975-25985. | 1.7 | 114 |
| 70 | Fast co-pyrolysis of sewage sludge and lignocellulosic biomass in a conical spouted bed reactor. <i>Fuel</i> , 2015, 159, 810-818. | 3.4 | 188 |
| 71 | Styrene recovery from polystyrene by flash pyrolysis in a conical spouted bed reactor. <i>Waste Management</i> , 2015, 45, 126-133. | 3.7 | 147 |
| 72 | Physical Activation of Rice Husk Pyrolysis Char for the Production of High Surface Area Activated Carbons. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 7241-7250. | 1.8 | 96 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 73 | Performance of a conical spouted bed pilot plant for bio-oil production by poplar flash pyrolysis. Fuel Processing Technology, 2015, 137, 283-289. | 3.7 | 80 |
| 74 | Fast pyrolysis of eucalyptus waste in a conical spouted bed reactor. Bioresource Technology, 2015, 194, 225-232. | 4.8 | 69 |
| 75 | Effect of polyethylene co-feeding in the steam gasification of biomass in a conical spouted bed reactor. Fuel, 2015, 153, 393-401. | 3.4 | 112 |
| 76 | Sewage sludge valorization by flash pyrolysis in a conical spouted bed reactor. Chemical Engineering Journal, 2015, 273, 173-183. | 6.6 | 161 |
| 77 | Kinetic Study of Carbon Dioxide Gasification of Rice Husk Fast Pyrolysis Char. Energy & Fuels, 2015, 29, 3198-3207. | 2.5 | 40 |
| 78 | HDPE pyrolysis-steam reforming in a tandem spouted bed-fixed bed reactor for H ₂ production. Journal of Analytical and Applied Pyrolysis, 2015, 116, 34-41. | 2.6 | 83 |
| 79 | Hydrogen Production by High Density Polyethylene Steam Gasification and In-Line Volatile Reforming. Industrial & Engineering Chemistry Research, 2015, 54, 9536-9544. | 1.8 | 64 |
| 80 | Identification of the coke deposited on an HZSM-5 zeolite catalyst during the sequenced pyrolysis-steam cracking of HDPE. Applied Catalysis B: Environmental, 2014, 148-149, 436-445. | 10.8 | 88 |
| 81 | Bio-oil production from rice husk fast pyrolysis in a conical spouted bed reactor. Fuel, 2014, 128, 162-169. | 3.4 | 263 |
| 82 | Principal component analysis for kinetic scheme proposal in the thermal and catalytic pyrolysis of waste tyres. Chemical Engineering Science, 2014, 106, 9-17. | 1.9 | 28 |
| 83 | Development of a dual conical spouted bed system for heat integration purposes. Powder Technology, 2014, 268, 261-268. | 2.1 | 9 |
| 84 | Upgrading the rice husk char obtained by flash pyrolysis for the production of amorphous silica and high quality activated carbon. Bioresource Technology, 2014, 170, 132-137. | 4.8 | 134 |
| 85 | Influence of operating conditions on the steam gasification of biomass in a conical spouted bed reactor. Chemical Engineering Journal, 2014, 237, 259-267. | 6.6 | 143 |
| 86 | Operating and Peak Pressure Drops in Conical Spouted Beds Equipped with Draft Tubes of Different Configuration. Industrial & Engineering Chemistry Research, 2014, 53, 415-427. | 1.8 | 35 |
| 87 | Kinetic modelling of the cracking of HDPE pyrolysis volatiles on a HZSM-5 zeolite based catalyst. Chemical Engineering Science, 2014, 116, 635-644. | 1.9 | 26 |
| 88 | Design and operation of a conical spouted bed reactor pilot plant (25kg/h) for biomass fast pyrolysis. Fuel Processing Technology, 2013, 112, 48-56. | 3.7 | 148 |
| 89 | Syngas from steam gasification of polyethylene in a conical spouted bed reactor. Fuel, 2013, 109, 461-469. | 3.4 | 146 |
| 90 | Reply to "A correction on one-dimensional modelling of conical spouted beds", published in Chem. Eng. Process. 48 (2009) 1264-1269. Chemical Engineering and Processing: Process Intensification, 2013, 70, 292. | 1.8 | 0 |

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| 91 | Pyrolysis kinetics of forestry residues from the Portuguese Central Inland Region. <i>Chemical Engineering Research and Design</i> , 2013, 91, 2682-2690. | 2.7 | 34 |
| 92 | Steam gasification of biomass in a conical spouted bed reactor with olivine and γ -alumina as primary catalysts. <i>Fuel Processing Technology</i> , 2013, 116, 292-299. | 3.7 | 100 |
| 93 | Minimum Spouting Velocity of Conical Spouted Beds Equipped with Draft Tubes of Different Configuration. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 2995-3006. | 1.8 | 71 |
| 94 | Cracking of High Density Polyethylene Pyrolysis Waxes on HZSM-5 Catalysts of Different Acidity. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 10637-10645. | 1.8 | 157 |
| 95 | Flash pyrolysis of forestry residues from the Portuguese Central Inland Region within the framework of the BioREFINA-Ter project. <i>Bioresource Technology</i> , 2013, 129, 512-518. | 4.8 | 62 |
| 96 | Particle Cycle Times and Solid Circulation Rates in Conical Spouted Beds with Draft Tubes of Different Configuration. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 15959-15967. | 1.8 | 38 |
| 97 | Effect of draft tube geometry on pressure drop in draft tube conical spouted beds. <i>Canadian Journal of Chemical Engineering</i> , 2013, 91, 1865-1870. | 0.9 | 16 |
| 98 | Pilot scale conical spouted bed pyrolysis reactor: Draft tube selection and hydrodynamic performance. <i>Powder Technology</i> , 2012, 219, 49-58. | 2.1 | 67 |
| 99 | Biomass Oxidative Flash Pyrolysis: Autothermal Operation, Yields and Product Properties. <i>Energy & Fuels</i> , 2012, 26, 1353-1362. | 2.5 | 125 |
| 100 | Production of Light Olefins from Polyethylene in a Two-Step Process: Pyrolysis in a Conical Spouted Bed and Downstream High-Temperature Thermal Cracking. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 13915-13923. | 1.8 | 114 |
| 101 | Sand attrition in conical spouted beds. <i>Particuology</i> , 2012, 10, 592-599. | 2.0 | 14 |
| 102 | Light olefins from HDPE cracking in a two-step thermal and catalytic process. <i>Chemical Engineering Journal</i> , 2012, 207-208, 27-34. | 6.6 | 128 |
| 103 | Drying of Biomass in a Conical Spouted Bed with Different Types of Internal Devices. <i>Drying Technology</i> , 2012, 30, 207-216. | 1.7 | 42 |
| 104 | Kinetic study of lignocellulosic biomass oxidative pyrolysis. <i>Fuel</i> , 2012, 95, 305-311. | 3.4 | 207 |
| 105 | Characterization of the waxes obtained by the pyrolysis of polyolefin plastics in a conical spouted bed reactor. <i>Journal of Analytical and Applied Pyrolysis</i> , 2012, 94, 230-237. | 2.6 | 196 |
| 106 | Influence of temperature on biomass pyrolysis in a conical spouted bed reactor. <i>Resources, Conservation and Recycling</i> , 2012, 59, 23-31. | 5.3 | 281 |
| 107 | Effect of Vacuum on Lignocellulosic Biomass Flash Pyrolysis in a Conical Spouted Bed Reactor. <i>Energy & Fuels</i> , 2011, 25, 3950-3960. | 2.5 | 79 |
| 108 | Product Yields and Compositions in the Continuous Pyrolysis of High-Density Polyethylene in a Conical Spouted Bed Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 6650-6659. | 1.8 | 147 |

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| 109 | Continuous Polyolefin Cracking on an HZSM-5 Zeolite Catalyst in a Conical Spouted Bed Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 6061-6070. | 1.8 | 87 |
| 110 | Modelling batch drying of sand in a draft-tube conical spouted bed. <i>Chemical Engineering Research and Design</i> , 2011, 89, 2054-2062. | 2.7 | 24 |
| 111 | Effect of Temperature on Fine Particle Drying in a Draft-tube Conical Spouted Bed. <i>Chemical Engineering and Technology</i> , 2011, 34, 1130-1135. | 0.9 | 17 |
| 112 | Investigations on heat transfer and hydrodynamics under pyrolysis conditions of a pilot-plant draft tube conical spouted bed reactor. <i>Chemical Engineering and Processing: Process Intensification</i> , 2011, 50, 790-798. | 1.8 | 109 |
| 113 | Role of pore structure in the deactivation of zeolites (HZSM-5, H ₁ ² and HY) by coke in the pyrolysis of polyethylene in a conical spouted bed reactor. <i>Applied Catalysis B: Environmental</i> , 2011, 102, 224-231. | 10.8 | 161 |
| 114 | Continuous pyrolysis of waste tyres in a conical spouted bed reactor. <i>Fuel</i> , 2010, 89, 1946-1952. | 3.4 | 174 |
| 115 | Recycling poly-(methyl methacrylate) by pyrolysis in a conical spouted bed reactor. <i>Chemical Engineering and Processing: Process Intensification</i> , 2010, 49, 1089-1094. | 1.8 | 77 |
| 116 | Efecto del uso de Catalizadores Ácidos Sobre la Distribuci3n de Productos en la Pir3lisis de Neum3ticos. <i>Informacion Tecnologica (discontinued)</i> , 2010, 21, . | 0.1 | 1 |
| 117 | Operating Conditions for the Pyrolysis of Poly-(ethylene terephthalate) in a Conical Spouted-Bed Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 2064-2069. | 1.8 | 121 |
| 118 | Vacuum Pyrolysis of Waste Tires by Continuously Feeding into a Conical Spouted Bed Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 8990-8997. | 1.8 | 102 |
| 119 | Hydrodynamics of Conical Spouted Beds Using Different Types of Internal Devices. <i>Chemical Engineering and Technology</i> , 2009, 32, 463-469. | 0.9 | 65 |
| 120 | Minimum spouting velocity under vacuum and high temperature in conical spouted beds. <i>Canadian Journal of Chemical Engineering</i> , 2009, 87, 541-546. | 0.9 | 25 |
| 121 | Steam activation of pyrolytic tyre char at different temperatures. <i>Journal of Analytical and Applied Pyrolysis</i> , 2009, 85, 539-543. | 2.6 | 80 |
| 122 | Kinetics of scrap tyre pyrolysis under vacuum conditions. <i>Waste Management</i> , 2009, 29, 2649-2655. | 3.7 | 83 |
| 123 | Catalytic pyrolysis of HDPE in continuous mode over zeolite catalysts in a conical spouted bed reactor. <i>Journal of Analytical and Applied Pyrolysis</i> , 2009, 85, 345-351. | 2.6 | 189 |
| 124 | Influence of FCC catalyst steaming on HDPE pyrolysis product distribution. <i>Journal of Analytical and Applied Pyrolysis</i> , 2009, 85, 359-365. | 2.6 | 105 |
| 125 | One-dimensional modelling of conical spouted beds. <i>Chemical Engineering and Processing: Process Intensification</i> , 2009, 48, 1264-1269. | 1.8 | 22 |
| 126 | Influence of Tire Formulation on the Products of Continuous Pyrolysis in a Conical Spouted Bed Reactor. <i>Energy & Fuels</i> , 2009, 23, 5423-5431. | 2.5 | 114 |

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|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 127 | Effect of acid catalysts on scrap tyre pyrolysis under fast heating conditions. Journal of Analytical and Applied Pyrolysis, 2008, 82, 199-204. | 2.6 | 45 |
| 128 | Kinetic modelling of tyre pyrolysis in a conical spouted bed reactor. Journal of Analytical and Applied Pyrolysis, 2008, 81, 127-132. | 2.6 | 55 |
| 129 | HZSM-5 and HY Zeolite Catalyst Performance in the Pyrolysis of Tires in a Conical Spouted Bed Reactor. Industrial & Engineering Chemistry Research, 2008, 47, 7600-7609. | 1.8 | 66 |
| 130 | Catalyst Effect on the Composition of Tire Pyrolysis Products. Energy & Fuels, 2008, 22, 2909-2916. | 2.5 | 99 |
| 131 | A Draft-Tube Conical Spouted Bed for Drying Fine Particles. Drying Technology, 2008, 26, 308-314. | 1.7 | 77 |
| 132 | Catalytic Pyrolysis of High Density Polyethylene on a HZSM-5 Zeolite Catalyst in a Conical Spouted Bed Reactor. International Journal of Chemical Reactor Engineering, 2007, 5, . | 0.6 | 12 |
| 133 | Characterization of the Liquid Obtained in Tyre Pyrolysis in a Conical Spouted Bed Reactor. International Journal of Chemical Reactor Engineering, 2007, 5, . | 0.6 | 3 |
| 134 | Product distribution modelling in the thermal pyrolysis of high density polyethylene. Journal of Hazardous Materials, 2007, 144, 708-714. | 6.5 | 43 |
| 135 | Catalytic pyrolysis of high density polyethylene in a conical spouted bed reactor. Journal of Analytical and Applied Pyrolysis, 2007, 79, 450-455. | 2.6 | 79 |
| 136 | Product distribution obtained in the pyrolysis of tyres in a conical spouted bed reactor. Chemical Engineering Science, 2007, 62, 5271-5275. | 1.9 | 107 |
| 137 | Development of the Conical Spouted Bed Technology for Biomass and Waste Plastic Gasification. , 0, , . | | 0 |