

Dariusz Kardaś

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

453
citations

759233

12
h-index

794594

19
g-index

43
all docs

43
docs citations

43
times ranked

458
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Pyrolysis of RDF and Catalytic Decomposition of the Produced Tar in a Char Bed Secondary Reactor as an Efficient Source of Syngas. <i>Processes</i> , 2022, 10, 90. | 2.8 | 2 |
| 2 | The Course and the Effects of Agricultural Biomass Pyrolysis in the Production of High-Calorific Biochar. <i>Materials</i> , 2022, 15, 1038. | 2.9 | 15 |
| 3 | Study on chicken manure combustion and heat production in terms of thermal self-sufficiency of a poultry farm. <i>Renewable Energy</i> , 2022, 191, 84-91. | 8.9 | 9 |
| 4 | Measurements of Water-Air Flow Phenomena in a Chamber with a Rotating Shaft. <i>Journal of Thermal Science</i> , 2021, 30, 242-247. | 1.9 | 0 |
| 5 | On the kinetic rate of biomass particle decomposition - Experimental and numerical analysis. <i>Energy</i> , 2021, 219, 119575. | 8.8 | 3 |
| 6 | Optimization of Thermal Parameters of the Coke Oven Battery by Modified Methodology of Temperature Measurement in Heating Flues as the Management Tool in the Cokemaking Industry. <i>Energies</i> , 2021, 14, 904. | 3.1 | 2 |
| 7 | Application of a Lumped Multi-Section Model for Analyzing the Thermal Performance of a Small-Scale Biomass Boiler. <i>Journal of Thermal Science</i> , 2021, 30, 1034-1045. | 1.9 | 3 |
| 8 | Applying dynamic mesh to examine evolution of effective thermal conductivity in porous medium undergoing macrostructure change. <i>Applied Thermal Engineering</i> , 2021, 187, 116583. | 6.0 | 3 |
| 9 | Modelling thermal behaviour of a single solid particle pyrolysing in a hot gas flow. <i>Energy</i> , 2021, 221, 119802. | 8.8 | 6 |
| 10 | Pyrolysis of Pruning Residues from Various Types of Orchards and Pretreatment for Energetic Use of Biochar. <i>Materials</i> , 2021, 14, 2969. | 2.9 | 15 |
| 11 | Comparative Analysis of Pelletized and Unpelletized Sunflower Husks Combustion Process in a Batch-Type Reactor. <i>Materials</i> , 2021, 14, 2484. | 2.9 | 9 |
| 12 | Gasification of leather waste for energy production: Laboratory scale and industrial tests. <i>International Journal of Energy Research</i> , 2021, 45, 18540-18553. | 4.5 | 9 |
| 13 | Characteristics of ash formation in the process of combustion of pelletised leather tannery waste and hardwood pellets. <i>Renewable Energy</i> , 2020, 149, 1246-1253. | 8.9 | 16 |
| 14 | Pre-Treatment of Furniture Waste for Smokeless Charcoal Production. <i>Materials</i> , 2020, 13, 3188. | 2.9 | 13 |
| 15 | Waste Rubber Pyrolysis: Product Yields and Limonene Concentration. <i>Materials</i> , 2020, 13, 4435. | 2.9 | 25 |
| 16 | Dynamics of movement and heat transfer for biomass particles in downdraft gasifier - Experimental measurements with the use of radiographic methods. <i>Fuel Processing Technology</i> , 2020, 210, 106555. | 7.2 | 2 |
| 17 | Activated Carbon Produced by Pyrolysis of Waste Wood and Straw for Potential Wastewater Adsorption. <i>Materials</i> , 2020, 13, 2047. | 2.9 | 55 |
| 18 | Carbonization of corncobs for the preparation of barbecue charcoal and combustion characteristics of corncob char. <i>Waste Management</i> , 2020, 105, 560-565. | 7.4 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Effects of biochar and ash outflow during updraft partial gasification on process parameters in a moving bed reactor. <i>Chemical Papers</i> , 2020, 74, 4047-4055. | 2.2 | 7 |
| 20 | Effect of heterogeneous tar condensation on coking pressure dynamics – Qualitative numerical analysis. <i>Energy</i> , 2020, 207, 118214. | 8.8 | 3 |
| 21 | Pine Wood Particles Pyrolysis and Radiographic Analysis. <i>Drvna Industrija</i> , 2020, 71, 13-18. | 0.6 | 2 |
| 22 | Determining the bed settling rate in down-draft biomass gasifier using the radioisotope X-ray fluorescence – Measurement methodology. <i>Biomass and Bioenergy</i> , 2019, 127, 105285. | 5.7 | 4 |
| 23 | A novel insight into biomass pyrolysis – The process analysis by identifying timescales of heat diffusion, heating rate and reaction rate. <i>Energy</i> , 2019, 189, 116159. | 8.8 | 14 |
| 24 | The influence of temperature on the physicochemical properties of products of pyrolysis of leather-tannery waste. <i>Waste Management</i> , 2019, 88, 248-256. | 7.4 | 28 |
| 25 | Thermal characteristics of single wood particle pyrolysis using particle image velocimetry. <i>International Journal of Thermal Sciences</i> , 2019, 135, 276-284. | 4.9 | 8 |
| 26 | Influence of Bed Movement and Amount of Supplied Air on Updraft Gasification of Hardwood Pellet. <i>Drvna Industrija</i> , 2018, 69, 339-347. | 0.6 | 2 |
| 27 | The course and effects of syngas production from beechwood and RDF in updraft reactor in the light of experimental tests and numerical calculations. <i>Thermal Science and Engineering Progress</i> , 2018, 8, 136-144. | 2.7 | 14 |
| 28 | Experimental tests of co-combustion of pelletized leather tannery wastes and hardwood pellets. <i>Waste Management</i> , 2018, 79, 22-29. | 7.4 | 27 |
| 29 | Front velocity in the combustion of blends of poultry litter with straw. <i>Fuel Processing Technology</i> , 2018, 176, 307-315. | 7.2 | 25 |
| 30 | Chemical and Physical Properties of Pine Wood during Pyrolysis. <i>Drvna Industrija</i> , 2017, 68, 29-36. | 0.6 | 9 |
| 31 | Influence of Temperature on Composition of Wood Pyrolysis Products. <i>Drvna Industrija</i> , 2017, 68, 307-313. | 0.6 | 10 |
| 32 | Thermal and chemical effects of turkey feathers pyrolysis. <i>Waste Management</i> , 2016, 49, 411-419. | 7.4 | 18 |
| 33 | Three phase transient model of wet coal pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 113, 259-265. | 5.5 | 9 |
| 34 | Prediction of coking dynamics for wet coal charge. <i>Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa</i> , 2015, 36, 291-303. | 0.7 | 3 |
| 35 | Prediction of thermal behavior of pyrolyzed wet biomass by means of model with inner wood structure. <i>Journal of Thermal Science</i> , 2015, 24, 82-89. | 1.9 | 14 |
| 36 | Formation of fireside deposits in feather gasification and heat recovery systems – An industrial case study. <i>Fuel Processing Technology</i> , 2015, 139, 8-14. | 7.2 | 5 |

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|----|--|-----|-----------|
| 37 | Pyrolysis of biomass and refuse-derived fuel performance in laboratory scale batch reactor. Archives of Thermodynamics, 2014, 35, 141-152. | 1.0 | 9 |
| 38 | Transient one-dimensional model of coal carbonization in a stagnant packed bed. Archives of Thermodynamics, 2013, 34, 39-51. | 1.0 | 9 |
| 39 | Modeling of heat and mass transfer during thermal decomposition of a single solid fuel particle. Archives of Thermodynamics, 2013, 34, 53-71. | 1.0 | 13 |
| 40 | Modeling of solid fuel particles combustion. , 2012, , . | | 1 |
| 41 | Modelling of interactions between variable mass and density solid particles and swirling gas stream. Journal of Physics: Conference Series, 2011, 318, 092010. | 0.4 | 1 |
| 42 | Reacting flow of hydrogen chloride and ammonia in experimental and numerical modelling. Journal of Thermal Science, 2003, 12, 188-192. | 1.9 | 1 |
| 43 | Relaxation Models for Wave Phenomena in Liquid-Vapor Bubble Flow in Channels. Journal of Fluids Engineering, Transactions of the ASME, 1998, 120, 369-377. | 1.5 | 11 |