Dariusz KardaÅ›

List of Publications by Year
in descending order

43	453	759233 12	794594 19
papers	citations	h-index	g-index

43	43	43	458
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Activated Carbon Produced by Pyrolysis of Waste Wood and Straw for Potential Wastewater Adsorption. Materials, 2020, 13, 2047.	2.9	55
2	The influence of temperature on the physicochemical properties of products of pyrolysis of leather-tannery waste. Waste Management, 2019, 88, 248-256.	7.4	28
3	Experimental tests of co-combustion of pelletized leather tannery wastes and hardwood pellets. Waste Management, 2018, 79, 22-29.	7.4	27
4	Front velocity in the combustion of blends of poultry litter with straw. Fuel Processing Technology, 2018, 176, 307-315.	7.2	25
5	Waste Rubber Pyrolysis: Product Yields and Limonene Concentration. Materials, 2020, 13, 4435.	2.9	25
6	Carbonization of corncobs for the preparation of barbecue charcoal and combustion characteristics of corncob char. Waste Management, 2020, 105, 560-565.	7.4	19
7	Thermal and chemical effects of turkey feathers pyrolysis. Waste Management, 2016, 49, 411-419.	7.4	18
8	Characteristics of ash formation in the process of combustion of pelletised leather tannery waste and hardwood pellets. Renewable Energy, 2020, 149, 1246-1253.	8.9	16
9	Pyrolysis of Pruning Residues from Various Types of Orchards and Pretreatment for Energetic Use of Biochar. Materials, 2021, 14, 2969.	2.9	15
10	The Course and the Effects of Agricultural Biomass Pyrolysis in the Production of High-Calorific Biochar. Materials, 2022, 15, 1038.	2.9	15
11	Prediction of thermal behavior of pyrolyzed wet biomass by means of model with inner wood structure. Journal of Thermal Science, 2015, 24, 82-89.	1.9	14
12	The course and effects of syngas production from beechwood and RDF in updraft reactor in the light of experimental tests and numerical calculations. Thermal Science and Engineering Progress, 2018, 8, 136-144.	2.7	14
13	A novel insight into biomass pyrolysis â€“ The process analysis by identifying timescales of heat diffusion, heating rate and reaction rate. Energy, 2019, 189, 116159.	8.8	14
14	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
15	Pre-Treatment of Furniture Waste for Smokeless Charcoal Production. Materials, 2020, 13, 3188.	2.9	13
16	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
17	Influence of Temperature on Composition of Wood Pyrolysis Products. Drvna Industrija, 2017, 68, 307-313.	0.6	10
18	Transient one-dimensional model of coal carbonization in a stagnant packed bed. Archives of Thermodynamics, 2013, 34, 39-51.	1.0	9

#	Article	IF	Citations
19	Pyrolysis of biomass and refuse-derived fuel performance in laboratory scale batch reactor. Archives of Thermodynamics, 2014, 35, 141-152.	1.0	9
20	Three phase transient model of wet coal pyrolysis. Journal of Analytical and Applied Pyrolysis, 2015, 113, 259-265.	5.5	9
21	Chemical and Physical Properties of Pine Wood during Pyrolysis. Drvna Industrija, 2017, 68, 29-36.	0.6	9
22	Comparative Analysis of Pelletized and Unpelletized Sunflower Husks Combustion Process in a Batch-Type Reactor. Materials, 2021, 14, 2484.	2.9	9
23	Gasification of leather waste for energy production: Laboratory scale and industrial tests. International Journal of Energy Research, 2021, 45, 18540-18553.	4.5	9
24	Study on chicken manure combustion and heat production in terms of thermal self-sufficiency of a poultry farm. Renewable Energy, 2022, 191, 84-91.	8.9	9
25	Thermal characteristics of single wood particle pyrolysis using particle image velocimetry. International Journal of Thermal Sciences, 2019, 135, 276-284.	4.9	8
26	Effects of biochar and ash outflow during updraft partial gasification on process parameters in a moving bed reactor. Chemical Papers, 2020, 74, 4047-4055.	2.2	7
27	Modelling thermal behaviour of a single solid particle pyrolysing in a hot gas flow. Energy, 2021, 221, 119802.	8.8	6
28	Formation of fireside deposits in feather gasification and heat recovery systems â€" An industrial case study. Fuel Processing Technology, 2015, 139, 8-14.	7.2	5
29	Determining the bed settling rate in down-draft biomass gasifier using the radioisotope X-ray fluorescence â€“ Measurement methodology. Biomass and Bioenergy, 2019, 127, 105285.	5.7	4
30	Prediction of coking dynamics for wet coal charge. Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa, 2015, 36, 291-303.	0.7	3
31	Effect of heterogeneous tar condensation on coking pressure dynamics â€“ Qualitative numerical analysis. Energy, 2020, 207, 118214.	8.8	3
32	On the kinetic rate of biomass particle decomposition - Experimental and numerical analysis. Energy, 2021, 219, 119575.	8.8	3
33	Application of a Lumped Multi-Section Model for Analyzing the Thermal Performance of a Small-Scale Biomass Boiler. Journal of Thermal Science, 2021, 30, 1034-1045.	1.9	3
34	Applying dynamic mesh to examine evolution of effective thermal conductivity in porous medium undergoing macrostructure change. Applied Thermal Engineering, 2021, 187, 116583.	6.0	3
35	Influence of Bed Movement and Amount of Supplied Air on Updraft Gasification of Hardwood Pellet. Drvna Industrija, 2018, 69, 339-347.	0.6	2
36	Dynamics of movement and heat transfer for biomass particles in downdraft gasifier - Experimental measurements with the use of radiographic methods. Fuel Processing Technology, 2020, 210, 106555.	7.2	2

#	Article	IF	Citations
37	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. Energies, 2021, 14, 904.	3.1	2
38	Pine Wood Particles Pyrolysis and Radiographic Analysis. Drvna Industrija, 2020, 71, 13-18.	0.6	2
39	Pyrolysis of RDF and Catalytic Decomposition of the Produced Tar in a Char Bed Secondary Reactor as an Efficient Source of Syngas. Processes, 2022, 10, 90.	2.8	2
40	Reacting flow of hydrogen chloride and ammonia in experimental and numerical modelling. Journal of Thermal Science, 2003, 12, 188-192.	1.9	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	Modeling of solid fuel particles combustion. , 2012, , .		1
43	Measurements of Water-Air Flow Phenomena in a Chamber with a Rotating Shaft. Journal of Thermal Science, 2021, 30, 242-247.	1.9	0