Nebojsa Manic

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3737051/publications.pdf

Version: 2024-02-01

48	558	623734	677142
papers	citations	14 h-index	22 g-index

49	49	49	538
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The impact of production operating parameters on mechanical and thermophysical characteristics of commercial wood pellets. Biomass Conversion and Biorefinery, 2023, 13, 5787-5803.	4.6	3
2	Morphology of char particles from coal pyrolysis in a pressurized entrained flow reactor: Effects of pressure and atmosphere. Energy, 2022, 238, 121846.	8.8	20
3	Thermal decomposition of volcanic glass (rhyolite): Kinetic deconvolution of dehydration and dehydroxylation process. Thermochimica Acta, 2022, 707, 179082.	2.7	7
4	Assessment of synergistic effect on performing the co-pyrolysis process of coal and waste blends based on thermal analysis. Thermal Science, 2022, 26, 2211-2224.	1.1	1
5	Simple and effective one-step production of high-quality mesoporous pyrolytic char from waste tires: Rhodamine B adsorption kinetics and density functional theory (DFT) study. Diamond and Related Materials, 2022, 121, 108768.	3.9	5
6	The kinetic study of juice industry residues drying process based on TGA-DTG experimental data. Journal of Thermal Analysis and Calorimetry, 2022, 147, 10109-10129.	3.6	1
7	Thermal characteristics and combustion reactivity of coronavirus face masks using TG-DTG-MS analysis. Journal of Thermal Analysis and Calorimetry, 2022, 147, 10131-10143.	3.6	5
8	Determination of Arrhenius parameters for advanced kinetic model used in CFD modeling of the wood pellet combustion process. Fuel, 2022, 323, 124323.	6.4	2
9	Model-free and model-based kinetic analysis of Poplar fluff (Populus alba) pyrolysis process under dynamic conditions. Journal of Thermal Analysis and Calorimetry, 2021, 143, 3419-3438.	3.6	21
10	Model-free and model-based analysis of thermo-oxidative response of wolfberries: A new developed mechanistic scheme. Food Chemistry, 2021, 343, 128530.	8.2	2
11	Improved TGA-MS measurements for evolved gas analysis (EGA) during pyrolysis process of various biomass feedstocks. Syngas energy balance determination. Thermochimica Acta, 2021, 699, 178912.	2.7	22
12	Self-ignition potential assessment for different biomass feedstocks based on the dynamic thermal analysis. Cleaner Engineering and Technology, 2021, 2, 100040.	4.0	7
13	Kinetic analysis and reaction mechanism of p-alkoxybenzyl alcohol ([4-(hydroxymethyl)phenoxymethyl]polystyrene) resin pyrolysis: Revealing new information on thermal stability. Polymer Degradation and Stability, 2021, 189, 109606.	5.8	12
14	Pyrolysis kinetics of Poplar fluff bio-char produced at high carbonization temperature: A mechanistic study and isothermal life-time prediction. Fuel, 2021, 296, 120637.	6.4	9
15	Thermogravimetric and kinetic analysis of biomass and polyurethane foam mixtures Co-Pyrolysis. Energy, 2021, 237, 121592.	8.8	25
16	Kinetic parameters identification of conductive enhanced hot air drying process of food waste. Thermal Science, 2021, 25, 1795-1807.	1.1	3
17	The assessment of spontaneous ignition potential of coals using TGAâ€“DTG technique. Combustion and Flame, 2020, 211, 32-43.	5.2	34
18	The gaseous products characterization of the pyrolysis process of various agricultural residues using TGAâ€“DSCâ€“MS techniques. Journal of Thermal Analysis and Calorimetry, 2020, 139, 3091-3106.	3.6	16

#	Article	IF	Citations
19	A mathematical model of biomass downdraft gasification with an integrated pyrolysis model. Fuel, 2020, 265, 116867.	6.4	31
20	Kinetic study of oxy-combustion of plane tree (Platanus orientalis) seeds (PTS) in O2/Ar atmosphere. Journal of Thermal Analysis and Calorimetry, 2020, 142, 953-976.	3.6	4
21	Dehydration of rhyolite: activation energy, water speciation and morphological investigation. Journal of Thermal Analysis and Calorimetry, 2020, 142, 395-407.	3.6	6
22	Thermo-oxidative evolution and physico-chemical characterization of seashell waste for application in commercial sectors. Thermochimica Acta, 2020, 686, 178568.	2.7	8
23	Apricot kernel shells pyrolysis controlled by non-isothermal simultaneous thermal analysis (STA). Journal of Thermal Analysis and Calorimetry, 2020, 142, 565-579.	3.6	19
24	The Pyrolysis of Waste Biomass Investigated by Simultaneous TGA-DTA-MS Measurements and Kinetic Modeling with Deconvolution Functions. Lecture Notes in Networks and Systems, 2020, , 39-60.	0.7	3
25	Multicomponent Modelling Kinetics and Simultaneous Thermal Analysis of Apricot Kernel Shell Pyrolysis. Journal of Sustainable Development of Energy, Water and Environment Systems, 2020, 8, 766-787.	1.9	9
26	Thermogravimetric study on the pyrolysis kinetic mechanism of waste biomass from fruit processing industry. Thermal Science, 2020, 24, 4221-4239.	1.1	9
27	Thermo-Analytical Characterization of Various Biomass Feedstocks for Assessments of Light Gaseous Compounds and Solid Residues. Lecture Notes in Networks and Systems, 2020, , 139-165.	0.7	0
28	Physico-chemical characterization of carbonized apricot kernel shell as precursor for activated carbon preparation in clean technology utilization. Journal of Cleaner Production, 2019, 236, 117614.	9.3	46
29	Model-free and model-based kinetics of the combustion process of low rank coals with high ash contents using TGA-DTG-DTA-MS and FTIR techniques. Thermochimica Acta, 2019, 679, 178337.	2.7	28
30	By-pass transition control with a DBD plasma actuator model coupled with a laminar kinetic energy turbulence model. Progress in Computational Fluid Dynamics, 2019, 19, 137.	0.2	1
31	TGA-DSC-MS Analysis of Pyrolysis Process of Various Biomasses with Isoconversional (Model-Free) Kinetics. Lecture Notes in Networks and Systems, 2019, , 16-33.	0.7	2
32	Dielectric properties and kinetic analysis of nonisothermal decomposition of ionic liquids derived from organic acid. Thermochimica Acta, 2019, 672, 43-52.	2.7	8
33	Characterization analysis of Poplar fluff pyrolysis products. Multi-component kinetic study. Fuel, 2019, 238, 111-128.	6.4	17
34	Modelling of wood chips gasification process in ASPEN Plus with multiple validation approach. Chemical Industry and Chemical Engineering Quarterly, 2019, 25, 217-228.	0.7	2
35	TGA-DSC-MS analysis of pyrolysis process of various agricultural residues. Thermal Science, 2019, 23, 1457-1472.	1.1	15
36	Modeling devolatalization process of Serbian lignites using chemical percolation devolatilization model. Thermal Science, 2019, 23, 1543-1557.	1.1	1

#	Article	IF	Citations
37	Comparative pyrolysis kinetics of various biomasses based on model-free and DAEM approaches improved with numerical optimization procedure. PLoS ONE, 2018, 13, e0206657.	2.5	48
38	TSA-MS characterization and kinetic study of the pyrolysis process of various types of biomass based on the Gaussian multi-peak fitting and peak-to-peak approaches. Fuel, 2018, 234, 447-463.	6.4	32
39	Thermogravimetric kinetic study of solid recovered fuels pyrolysis. Hemijska Industrija, 2018, 72, 99-106.	0.7	9
40	Application of different turbulence models for improving construction of small-scale boiler fired by solid fuel. Thermal Science, 2017, 21, 809-823.	1.1	3
41	Chloride and fluoride contents in flue gas during domestic lignite coals combustion as a parameter in the design of flue gas desulphurisation plant. FME Transactions, 2017, 45, 58-64.	1.4	0
42	InÅ¾enjerska etika. Procesna Tehnika, 2017, 30, 33.	0.3	0
43	Impact of fuel quality and burner capacity on the performance of wood pellet stove. Thermal Science, 2015, 19, 1855-1866.	1.1	2
44	Possibility of the Abrasive Wear Resistance Determination with Scratch Tester. Tribology Letters, 2010, 37, 591-604.	2.6	50
45	Mixtures of bioethanol and gasoline as a fuel for SI engines. Thermal Science, 2009, 13, 219-228.	1.1	8
46	Investigations of combustion process in combined cooker-boiler fired on solid fuels. Thermal Science, 2006, 10, 121-130.	1.1	0
47	Kinetic and thermodynamic analysis of thermo-oxidative degradation of seashell powders with different particle size fractions: compensation effect and iso-equilibrium phenomena. Journal of Thermal Analysis and Calorimetry, 0, , 1.	3.6	0
48	Pyrolysis kinetics of [4-(hydroxymethyl)phenoxymethyl]polystyrene (Wang) resin using master-plot method and distributed reactivity model. Polymer Bulletin, 0, , 1.	3.3	0