

Nebojsa Manic

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Possibility of the Abrasive Wear Resistance Determination with Scratch Tester. <i>Tribology Letters</i> , 2010, 37, 591-604.	2.6	50
2	Comparative pyrolysis kinetics of various biomasses based on model-free and DAEM approaches improved with numerical optimization procedure. <i>PLoS ONE</i> , 2018, 13, e0206657.	2.5	48
3	Physico-chemical characterization of carbonized apricot kernel shell as precursor for activated carbon preparation in clean technology utilization. <i>Journal of Cleaner Production</i> , 2019, 236, 117614.	9.3	46
4	The assessment of spontaneous ignition potential of coals using TGA-DTG technique. <i>Combustion and Flame</i> , 2020, 211, 32-43.	5.2	34
5	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. <i>Fuel</i> , 2018, 234, 447-463.	6.4	32
6	A mathematical model of biomass downdraft gasification with an integrated pyrolysis model. <i>Fuel</i> , 2020, 265, 116867.	6.4	31
7	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. <i>Thermochimica Acta</i> , 2019, 679, 178337.	2.7	28
8	Thermogravimetric and kinetic analysis of biomass and polyurethane foam mixtures Co-Pyrolysis. <i>Energy</i> , 2021, 237, 121592.	8.8	25
9	Improved TGA-MS measurements for evolved gas analysis (EGA) during pyrolysis process of various biomass feedstocks. Syngas energy balance determination. <i>Thermochimica Acta</i> , 2021, 699, 178912.	2.7	22
10	Model-free and model-based kinetic analysis of Poplar fluff (<i>Populus alba</i>) pyrolysis process under dynamic conditions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 3419-3438.	3.6	21
11	Morphology of char particles from coal pyrolysis in a pressurized entrained flow reactor: Effects of pressure and atmosphere. <i>Energy</i> , 2022, 238, 121846.	8.8	20
12	Apricot kernel shells pyrolysis controlled by non-isothermal simultaneous thermal analysis (STA). <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 565-579.	3.6	19
13	Characterization analysis of Poplar fluff pyrolysis products. Multi-component kinetic study. <i>Fuel</i> , 2019, 238, 111-128.	6.4	17
14	The gaseous products characterization of the pyrolysis process of various agricultural residues using TGA-DSC-MS techniques. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 3091-3106.	3.6	16
15	TGA-DSC-MS analysis of pyrolysis process of various agricultural residues. <i>Thermal Science</i> , 2019, 23, 1457-1472.	1.1	15
16	Kinetic analysis and reaction mechanism of p-alkoxybenzyl alcohol ([4-(hydroxymethyl)phenoxyethyl]polystyrene) resin pyrolysis: Revealing new information on thermal stability. <i>Polymer Degradation and Stability</i> , 2021, 189, 109606.	5.8	12
17	Pyrolysis kinetics of Poplar fluff bio-char produced at high carbonization temperature: A mechanistic study and isothermal life-time prediction. <i>Fuel</i> , 2021, 296, 120637.	6.4	9
18	Multicomponent Modelling Kinetics and Simultaneous Thermal Analysis of Apricot Kernel Shell Pyrolysis. <i>Journal of Sustainable Development of Energy, Water and Environment Systems</i> , 2020, 8, 766-787.	1.9	9

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19	Thermogravimetric kinetic study of solid recovered fuels pyrolysis. <i>Hemijaska Industrija</i> , 2018, 72, 99-106.	0.7	9
20	Thermogravimetric study on the pyrolysis kinetic mechanism of waste biomass from fruit processing industry. <i>Thermal Science</i> , 2020, 24, 4221-4239.	1.1	9
21	Dielectric properties and kinetic analysis of nonisothermal decomposition of ionic liquids derived from organic acid. <i>Thermochimica Acta</i> , 2019, 672, 43-52.	2.7	8
22	Thermo-oxidative evolution and physico-chemical characterization of seashell waste for application in commercial sectors. <i>Thermochimica Acta</i> , 2020, 686, 178568.	2.7	8
23	Mixtures of bioethanol and gasoline as a fuel for SI engines. <i>Thermal Science</i> , 2009, 13, 219-228.	1.1	8
24	Self-ignition potential assessment for different biomass feedstocks based on the dynamic thermal analysis. <i>Cleaner Engineering and Technology</i> , 2021, 2, 100040.	4.0	7
25	Thermal decomposition of volcanic glass (rhyolite): Kinetic deconvolution of dehydration and dehydroxylation process. <i>Thermochimica Acta</i> , 2022, 707, 179082.	2.7	7
26	Dehydration of rhyolite: activation energy, water speciation and morphological investigation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 395-407.	3.6	6
27	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. <i>Diamond and Related Materials</i> , 2022, 121, 108768.	3.9	5
28	Thermal characteristics and combustion reactivity of coronavirus face masks using TG-DTG-MS analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 10131-10143.	3.6	5
29	Kinetic study of oxy-combustion of plane tree (<i>Platanus orientalis</i>) seeds (PTS) in O ₂ /Ar atmosphere. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 953-976.	3.6	4
30	The impact of production operating parameters on mechanical and thermophysical characteristics of commercial wood pellets. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 5787-5803.	4.6	3
31	The Pyrolysis of Waste Biomass Investigated by Simultaneous TGA-DTA-MS Measurements and Kinetic Modeling with Deconvolution Functions. <i>Lecture Notes in Networks and Systems</i> , 2020, , 39-60.	0.7	3
32	Application of different turbulence models for improving construction of small-scale boiler fired by solid fuel. <i>Thermal Science</i> , 2017, 21, 809-823.	1.1	3
33	Kinetic parameters identification of conductive enhanced hot air drying process of food waste. <i>Thermal Science</i> , 2021, 25, 1795-1807.	1.1	3
34	TGA-DSC-MS Analysis of Pyrolysis Process of Various Biomasses with Isoconversional (Model-Free) Kinetics. <i>Lecture Notes in Networks and Systems</i> , 2019, , 16-33.	0.7	2
35	Model-free and model-based analysis of thermo-oxidative response of wolfberries: A new developed mechanistic scheme. <i>Food Chemistry</i> , 2021, 343, 128530.	8.2	2
36	Modelling of wood chips gasification process in ASPEN Plus with multiple validation approach. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2019, 25, 217-228.	0.7	2

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37	Impact of fuel quality and burner capacity on the performance of wood pellet stove. <i>Thermal Science</i> , 2015, 19, 1855-1866.	1.1	2
38	Determination of Arrhenius parameters for advanced kinetic model used in CFD modeling of the wood pellet combustion process. <i>Fuel</i> , 2022, 323, 124323.	6.4	2
39	By-pass transition control with a DBD plasma actuator model coupled with a laminar kinetic energy turbulence model. <i>Progress in Computational Fluid Dynamics</i> , 2019, 19, 137.	0.2	1
40	Modeling devolatilization process of Serbian lignites using chemical percolation devolatilization model. <i>Thermal Science</i> , 2019, 23, 1543-1557.	1.1	1
41	Assessment of synergistic effect on performing the co-pyrolysis process of coal and waste blends based on thermal analysis. <i>Thermal Science</i> , 2022, 26, 2211-2224.	1.1	1
42	The kinetic study of juice industry residues drying process based on TGA-DTG experimental data. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 10109-10129.	3.6	1
43	Kinetic and thermodynamic analysis of thermo-oxidative degradation of seashell powders with different particle size fractions: compensation effect and iso-equilibrium phenomena. <i>Journal of Thermal Analysis and Calorimetry</i> , 0, , 1.	3.6	0
44	Investigations of combustion process in combined cooker-boiler fired on solid fuels. <i>Thermal Science</i> , 2006, 10, 121-130.	1.1	0
45	Chloride and fluoride contents in flue gas during domestic lignite coals combustion as a parameter in the design of flue gas desulphurisation plant. <i>FME Transactions</i> , 2017, 45, 58-64.	1.4	0
46	InÅ¾enjerska etika. <i>Procesna Tehnika</i> , 2017, 30, 33.	0.3	0
47	Thermo-Analytical Characterization of Various Biomass Feedstocks for Assessments of Light Gaseous Compounds and Solid Residues. <i>Lecture Notes in Networks and Systems</i> , 2020, , 139-165.	0.7	0
48	Pyrolysis kinetics of [4-(hydroxymethyl)phenoxyethyl]polystyrene (Wang) resin using master-plot method and distributed reactivity model. <i>Polymer Bulletin</i> , 0, , 1.	3.3	0