

# Bojan Å<sup>1/2</sup> JankoviÄ

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/111251/publications.pdf>

Version: 2024-02-01

81  
papers

820  
citations

516215

16  
h-index

610482

24  
g-index

81  
all docs

81  
docs citations

81  
times ranked

1063  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.9	3
2	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.	0.5	1
3	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.	2.0	1
4	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.	2.0	5
5	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.	2.0	21
6	Model-free and model-based analysis of thermo-oxidative response of wolfberries: A new developed mechanistic scheme. <i>Food Chemistry</i> , 2021, 343, 128530.	4.2	2
7	Thermo-Analytical and Compatibility Study with Mechanistic Explanation of Degradation Kinetics of Ambroxol Hydrochloride Tablets under Non-Isothermal Conditions. <i>Pharmaceutics</i> , 2021, 13, 1910.	2.0	6
8	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.	2.0	16
9	Characterization analysis of activated carbon derived from the carbonization process of plane tree ( <i>Platanus orientalis</i> ) seeds. <i>Energy and Environment</i> , 2020, 31, 583-612.	2.7	8
10	Kinetic study of oxy-combustion of plane tree ( <i>Platanus orientalis</i> ) seeds (PTS) in O <sub>2</sub> /Ar atmosphere. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 953-976.	2.0	4
11	Dehydration of rhyolite: activation energy, water speciation and morphological investigation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 395-407.	2.0	6
12	Experimental study of low-rank coals using simultaneous thermal analysis (TG-DTA) techniques under air conditions and radiation level characterization. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 547-564.	2.0	6
13	Thermo-oxidative evolution and physico-chemical characterization of seashell waste for application in commercial sectors. <i>Thermochimica Acta</i> , 2020, 686, 178568.	1.2	8
14	Apricot kernel shells pyrolysis controlled by non-isothermal simultaneous thermal analysis (STA). <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 565-579.	2.0	19
15	Thermogravimetric study on the pyrolysis kinetic mechanism of waste biomass from fruit processing industry. <i>Thermal Science</i> , 2020, 24, 4221-4239.	0.5	9
16	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.	0.5	0
17	Carbon dioxide activation of the plane tree seeds derived bio-char: Kinetic properties and application. <i>Thermal Science</i> , 2020, 24, 3807-3821.	0.5	1
18	Transformation of Matter and Energy in Crops Under the Influence of Brassinosteroids. , 2019, , 251-295.		0

#	ARTICLE	IF	CITATIONS
19	TGA-DSC-MS Analysis of Pyrolysis Process of Various Biomasses with Isoconversional (Model-Free) Kinetics. Lecture Notes in Networks and Systems, 2019, , 16-33.	0.5	2
20	TGA-DSC-MS analysis of pyrolysis process of various agricultural residues. Thermal Science, 2019, 23, 1457-1472.	0.5	15
21	Analysis of transition from low to high iodide and iodine state in the Briggsâ€“Rauscher oscillatory reaction containing malonic acid using Kolmogorovâ€“Johnsonâ€“Mehlâ€“Avrami (KJMA) theory. Reaction Kinetics, Mechanisms and Catalysis, 2018, 123, 61-80.	0.8	4
22	Characterization analysis of raw and pyrolyzed plane tree seed ( <i>Platanus orientalis</i> L.) samples for its application in carbon capture and storage (CCS) technology. Journal of Thermal Analysis and Calorimetry, 2018, 133, 465-480.	2.0	7
23	Thermal analysis testing and natural radioactivity characterization of kaolin as building material. Journal of Thermal Analysis and Calorimetry, 2018, 133, 481-487.	2.0	6
24	Kinetic and reactivity distribution behaviors during curing process of carbon/epoxy composite with thermoplastic interface coatings (T800/3900â€“2 prepreg) under the nonisothermal conditions. Polymer Composites, 2018, 39, 201-220.	2.3	11
25	Comparative pyrolysis kinetics of various biomasses based on model-free and DAEM approaches improved with numerical optimization procedure. PLoS ONE, 2018, 13, e0206657.	1.1	48
26	Reliable method for determining the complete kinetic and thermodynamic information for thermal degradation of polymers in a multi-step process. Colloid and Polymer Science, 2018, 296, 1459-1477.	1.0	1
27	Distribution of apparent activation energy counterparts during thermo â€“ And thermo-oxidative degradation of <i>Aronia melanocarpa</i> (black chokeberry). Food Chemistry, 2017, 230, 30-39.	4.2	3
28	Ethyleneâ€“Propyleneâ€“Diene Rubber-Based Nanoblends: Preparation, Characterization and Applications. Springer Series on Polymer and Composite Materials, 2017, , 281-349.	0.5	1
29	New insights in dehydration stress behavior of two maize hybrids using advanced distributed reactivity model (DRM). Responses to the impact of 24-epibrassinolide. PLoS ONE, 2017, 12, e0179650.	1.1	1
30	Influence of 24-epibrassinolide on seedling growth and distribution of mineral elements in two maize hybrids. Hemijska Industrija, 2017, 71, 201-209.	0.3	10
31	Application of the Kinetic Triplets and Geometrical Characteristics of Thermal Analysis Curves in Identifying the Main Bioactive Compounds (BC) that Govern the Thermal and Thermo-Oxidative Degradation Mechanism of <i>Aronia melanocarpa</i> (Black Chokeberry). Food Biophysics, 2016, 11, 128-141.	1.4	0
32	TG-DTA-FTIR analysis and isoconversional reaction profiles for thermal and thermo-oxidative degradation processes in black chokeberry ( <i>Aroniamelanocarpa</i> ). Chemical Papers, 2016, 70, .	1.0	4
33	Kinetic Analysis of Nonisothermal Reduction of Silica-Supported Nickel Catalyst Precursors in a Hydrogen Atmosphere. Chemical Engineering Communications, 2016, 203, 182-199.	1.5	1
34	On-line pyrolysis kinetics of swine manure solid samples collected from rearing farm. Journal of Thermal Analysis and Calorimetry, 2016, 123, 2103-2120.	2.0	5
35	Comprehensive characterization of BiFeO <sub>3</sub> powder synthesized by the hydrothermal procedure. Processing and Application of Ceramics, 2016, 10, 201-208.	0.4	31
36	Estimation of the distribution of reactivity for powdered cellulose pyrolysis in isothermal experimental conditions using the Bayesian inference. Cellulose, 2015, 22, 2283-2303.	2.4	2

#	ARTICLE	IF	CITATIONS
37	Kinetic study of isothermal crystallization process of Gd <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> precursor's powder prepared through the Pechini synthetic approach. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 85, 160-172.	1.9	6
38	Pyrolysis of pine and beech wood under isothermal conditions: the conventional kinetic approach. <i>Research on Chemical Intermediates</i> , 2015, 41, 2201-2219.	1.3	11
39	Kinetic study of the crystallization process of the $\delta$ -Fe phase in the amorphous Fe <sub>81</sub> B <sub>13</sub> Si <sub>4</sub> C <sub>2</sub> alloy. <i>Military Technical Courier</i> , 2014, 62, 56-73.	0.3	1
40	Kinetic modeling of native <i>Cassava</i> starch thermo-oxidative degradation using Weibull and Weibull-derived models. <i>Biopolymers</i> , 2014, 101, 41-57.	1.2	5
41	Evaluations of the apparent activation energy distribution function for the nonisothermal reduction of nickel oxide nano-powders. <i>Military Technical Courier</i> , 2014, 62, 167-193.	0.3	0
42	Thermal characterization and isothermal kinetic analysis of commercial Creosote decomposition process. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 823-832.	2.0	3
43	Kinetic Analysis of Isothermal Decomposition Process of Zinc Leach Residue in an Inert Atmosphere. The Estimation of the Apparent Activation Energy Distribution. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2014, 35, 239-256.	2.6	5
44	The pyrolysis process of wood biomass samples under isothermal experimental conditions—energy density considerations: application of the distributed apparent activation energy model with a mixture of distribution functions. <i>Cellulose</i> , 2014, 21, 2285-2314.	2.4	26
45	Kinetic—Statistical Approach in a Detailed Study of the Mechanism of Thermal Decomposition of Zinc—Iron-Intermetallic Phase. <i>Transactions of the Indian Institute of Metals</i> , 2014, 67, 629-650.	0.7	1
46	Non-isothermal reduction of silica-supported nickel catalyst precursors in hydrogen atmosphere: a kinetic study and statistical interpretation. <i>Journal of the Iranian Chemical Society</i> , 2014, 11, 1743-1758.	1.2	3
47	Study of non-isothermal crystallization of Eu <sup>3+</sup> doped Zn <sub>2</sub> SiO <sub>4</sub> powders through the application of various macrokinetic models. <i>Journal of Alloys and Compounds</i> , 2014, 587, 398-414.	2.8	4
48	Kinetic and thermodynamic investigations of non-isothermal decomposition process of a commercial silver nitrate in an argon atmosphere used as the precursors for ultrasonic spray pyrolysis (USP): The mechanistic approach. <i>Chemical Engineering and Processing: Process Intensification</i> , 2014, 82, 71-87.	1.8	20
49	The kinetic and thermodynamic analyses of non-isothermal degradation process of acrylonitrile—butadiene and ethylene—propylene—diene rubbers. <i>Composites Part B: Engineering</i> , 2013, 45, 321-332.	5.9	31
50	Thermal characterization and kinetic analysis of non-isothermal decomposition process of Bauxite red mud. Estimation of density distribution function of the apparent activation energy. <i>International Journal of Mineral Processing</i> , 2013, 123, 46-59.	2.6	26
51	The kinetic modeling of the non-isothermal pyrolysis of Brazilian oil shale: Application of the Weibull probability mixture model. <i>Journal of Petroleum Science and Engineering</i> , 2013, 111, 25-36.	2.1	31
52	The comparative kinetic analysis of the non-isothermal crystallization process of Eu <sup>3+</sup> doped Zn <sub>2</sub> SiO <sub>4</sub> powders prepared via polymer induced sol—gel method. <i>Powder Technology</i> , 2013, 249, 497-512.	2.1	20
53	Thermal characterization and detailed kinetic analysis of Cassava starch thermo-oxidative degradation. <i>Carbohydrate Polymers</i> , 2013, 95, 621-629.	5.1	56
54	Kinetic and thermodynamic analysis of Creosote degradation process under isothermal experimental conditions. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2013, 48, 1437-1449.	0.9	0

#	ARTICLE	IF	CITATIONS
55	Tritium concentration analysis in atmospheric precipitation in Serbia. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 669-674.	0.9	5
56	The comparative kinetic analysis of non-isothermal degradation process of acrylonitrile- <i>butadiene</i> and ethylene- <i>propylene</i> - <i>diene</i> rubber compounds. Part I. <i>Thermochimica Acta</i> , 2012, 543, 295-303.	1.2	14
57	The comparative kinetic analysis of non-isothermal degradation process of acrylonitrile- <i>butadiene</i> /ethylene- <i>propylene</i> - <i>diene</i> rubber blends reinforced with carbon black/silica fillers. Part II. <i>Thermochimica Acta</i> , 2012, 543, 304-312.	1.2	24
58	The application of the formalism of dispersive kinetics for investigation of the isothermal decomposition of zinc leach residue in an inert atmosphere. <i>Thermochimica Acta</i> , 2012, 546, 102-112.	1.2	4
59	Kinetic analysis of nonisothermal degradation of acrylonitrile- <i>butadiene</i> /ethylene- <i>propylene</i> - <i>diene</i> rubber blends reinforced with carbon black filler. <i>Polymer Composites</i> , 2012, 33, 1233-1243.	2.3	4
60	The comparative kinetic analysis of Acetocell and Lignoboost <sup>®</sup> lignin pyrolysis: The estimation of the distributed reactivity models. <i>Bioresource Technology</i> , 2011, 102, 9763-9771.	4.8	27
61	Thermal degradation process of the cured phenolic triazine thermoset resin (Primaset <sup>®</sup> PT-30). Part I. Systematic non-isothermal kinetic analysis. <i>Thermochimica Acta</i> , 2011, 519, 114-124.	1.2	12
62	The comparative kinetic study of non-isothermal and isothermal dehydration of swollen poly(acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 2011, 89, 373-383.	2.7	6
63	The non-isothermal combustion process of hydrogen peroxide treated animal bones. Kinetic analysis. <i>Thermochimica Acta</i> , 2011, 521, 130-138.	1.2	9
64	The kinetic analysis of isothermal curing reaction of an unsaturated polyester resin: Estimation of the density distribution function of the apparent activation energy. <i>Chemical Engineering Journal</i> , 2010, 162, 331-340.	6.6	49
65	Identification of the effective distribution function for determination of the distributed activation energy models using Bayesian statistics: Application of isothermal thermogravimetric data. <i>International Journal of Chemical Kinetics</i> , 2010, 42, 641-658.	1.0	1
66	Kinetics of the apparent isothermal and non-isothermal crystallization of the $\hat{1}\pm$ -Fe phase within the amorphous Fe <sub>81</sub> B <sub>13</sub> Si <sub>4</sub> C <sub>2</sub> alloy. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 927-934.	1.9	8
67	The non-isothermal thermogravimetric tests of animal bones combustion. Part II. Statistical analysis: Application of the Weibull mixture model. <i>Thermochimica Acta</i> , 2010, 505, 98-105.	1.2	15
68	Thermal stability and nonisothermal kinetics of Folnak <sup>®</sup> degradation process. <i>Drug Development and Industrial Pharmacy</i> , 2010, 36, 980-992.	0.9	3
69	Identification of the effective distribution function for determination of the distributed activation energy models using the maximum likelihood method: Isothermal thermogravimetric data. <i>International Journal of Chemical Kinetics</i> , 2009, 41, 27-44.	1.0	7
70	Application of the Weibull distribution function for modeling the kinetics of isothermal dehydration of equilibrium swollen poly (acrylic acid) hydrogel. <i>Reactive and Functional Polymers</i> , 2009, 69, 151-158.	2.0	9
71	A kinetic study of the isothermal degradation process of Lexan <sup>®</sup> using the conventional and Weibull kinetic analysis. <i>Journal of Polymer Research</i> , 2009, 16, 213-230.	1.2	10
72	A Kinetic Study of the Nonisothermal Decomposition of Palladium Acetylacetonate Investigated by Thermogravimetric and X-Ray Diffraction Analysis Determination of Distributed Reactivity Model. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2009, 40, 609-624.	1.1	11

#	ARTICLE	IF	CITATIONS
73	Kinetic Analysis of Isothermal Decomposition Process of Sodium Bicarbonate Using the Weibull Probability Functionâ€”Estimation of Density Distribution Functions of the Apparent Activation Energies. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2009, 40, 712-726.	1.0	12
74	The non-isothermal thermogravimetric tests of animal bones combustion. Part. I. Kinetic analysis. Thermochimica Acta, 2009, 495, 129-138.	1.2	30
75	Nonisothermal Degradation of Zetaplus Impression Material: Kinetic Aspects. Industrial & Engineering Chemistry Research, 2009, 48, 7044-7053.	1.8	6
76	A New Method for Evaluation of the Isothermal Conversion Curves from the Nonisothermal Measurements. Application in Nickel Oxide Reduction Kinetics. Industrial & Engineering Chemistry Research, 2009, 48, 1420-1427.	1.8	4
77	Determination of Density Distribution Functions of the Apparent Activation Energies for Nonisothermal Decomposition Process of Sodium Bicarbonate Using the Weibull Probability Function. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2008, 39, 75-86.	1.0	3
78	Dispersive kinetic model for the non-isothermal reduction of nickel oxide by hydrogen. Physica B: Condensed Matter, 2008, 403, 4132-4138.	1.3	9
79	The use of the IKP method for evaluating the kinetic parameters and the conversion function of the thermal decomposition of NaHCO <sub>3</sub> from nonisothermal thermogravimetric data. International Journal of Chemical Kinetics, 2007, 39, 462-471.	1.0	21
80	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.	2.0	0
81	Pyrolysis kinetics of [4-(hydroxymethyl)phenoxyethyl]polystyrene (Wang) resin using master-plot method and distributed reactivity model. Polymer Bulletin, 0, , 1.	1.7	0