

Bojan Z Jankovic

List of Publications by Citations

Source: <https://exaly.com/author-pdf/111251/bojan-z-jankovic-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80
papers

612
citations

13
h-index

22
g-index

81
ext. papers

714
ext. citations

3.5
avg, IF

4.69
L-index

#	Paper	IF	Citations
80	Thermal characterization and detailed kinetic analysis of Cassava starch thermo-oxidative degradation. <i>Carbohydrate Polymers</i> , 2013 , 95, 621-9	10.3	51
79	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	14.7	42
78	The non-isothermal thermogravimetric tests of animal bones combustion. Part. I. Kinetic analysis. <i>Thermochimica Acta</i> , 2009 , 495, 129-138	2.9	30
77	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	3.7	29
76	The comparative kinetic analysis of Acetocell and Lignoboost [®] lignin pyrolysis: the estimation of the distributed reactivity models. <i>Bioresource Technology</i> , 2011 , 102, 9763-71	11	26
75	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	10	25
74	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	4.4	24
73	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		23
72	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	5.5	22
71	The comparative kinetic analysis of non-isothermal degradation process of acrylonitrile-butadiene/ethylene-propylene-diene rubber blends reinforced with carbon black/silica fillers. Part II. <i>Thermochimica Acta</i> , 2012 , 543, 304-312	2.9	21
70	The use of the IKP method for evaluating the kinetic parameters and the conversion function of the thermal decomposition of NaHCO ₃ from nonisothermal thermogravimetric data. <i>International Journal of Chemical Kinetics</i> , 2007 , 39, 462-471	1.4	20
69	The comparative kinetic analysis of the non-isothermal crystallization process of Eu ³⁺ + doped Zn ₂ SiO ₄ powders prepared via polymer induced sol-gel method. <i>Powder Technology</i> , 2013 , 249, 497-512	5.2	18
68	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	3.7	15
67	The comparative kinetic analysis of non-isothermal degradation process of acrylonitrile-butadiene and ethylene-propylene-diene rubber compounds. Part I. <i>Thermochimica Acta</i> , 2012 , 543, 295-303	2.9	12
66	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	2.9	12
65	Comprehensive characterization of BiFeO ₃ powder synthesized by the hydrothermal procedure. <i>Processing and Application of Ceramics</i> , 2016 , 10, 201-208	1.4	11
64	Thermal degradation process of the cured phenolic triazine thermoset resin (Primaset [®] PT-30). Part I. Systematic non-isothermal kinetic analysis. <i>Thermochimica Acta</i> , 2011 , 519, 114-124	2.9	10

63	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	2.3	10
62	The gaseous products characterization of the pyrolysis process of various agricultural residues using TGADSCMS techniques. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 139, 3091-3106	4.1	10
61	Kinetic Analysis of Isothermal Decomposition Process of Sodium Bicarbonate Using the Weibull Probability Function Estimation of Density Distribution Functions of the Apparent Activation Energies. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2009 , 40, 712-726	2.5	8
60	Kinetics of the apparent isothermal and non-isothermal crystallization of the β Fe phase within the amorphous Fe ₈₁ B ₁₃ Si ₄ C ₂ alloy. <i>Journal of Physics and Chemistry of Solids</i> , 2010 , 71, 927-934	3.9	8
59	Pyrolysis of pine and beech wood under isothermal conditions: the conventional kinetic approach. <i>Research on Chemical Intermediates</i> , 2015 , 41, 2201-2219	2.8	7
58	Kinetic and reactivity distribution behaviors during curing process of carbon/epoxy composite with thermoplastic interface coatings (T800/3900-2 prepreg) under the nonisothermal conditions. <i>Polymer Composites</i> , 2018 , 39, 201-220	3	7
57	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	1.4	7
56	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	4.6	7
55	A kinetic study of the isothermal degradation process of Lexan [®] using the conventional and Weibull kinetic analysis. <i>Journal of Polymer Research</i> , 2009 , 16, 213-230	2.7	7
54	The non-isothermal combustion process of hydrogen peroxide treated animal bones. Kinetic analysis. <i>Thermochimica Acta</i> , 2011 , 521, 130-138	2.9	7
53	Dispersive kinetic model for the non-isothermal reduction of nickel oxide by hydrogen. <i>Physica B: Condensed Matter</i> , 2008 , 403, 4132-4138	2.8	7
52	TGA-DSC-MS analysis of pyrolysis process of various agricultural residues. <i>Thermal Science</i> , 2019 , 23, 1457-1472	1.2	7
51	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	4.1	7
50	Apricot kernel shells pyrolysis controlled by non-isothermal simultaneous thermal analysis (STA). <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 142, 565-579	4.1	6
49	The comparative kinetic study of non-isothermal and isothermal dehydration of swollen poly(acrylic acid) hydrogel using the Weibull probability function. <i>Chemical Engineering Research and Design</i> , 2011 , 89, 373-383	5.5	6
48	Nonisothermal Degradation of Zetaplus Impression Material: Kinetic Aspects. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 7044-7053	3.9	6
47	Thermogravimetric study on the pyrolysis kinetic mechanism of waste biomass from fruit processing industry. <i>Thermal Science</i> , 2020 , 24, 4221-4239	1.2	6
46	Thermo-oxidative evolution and physico-chemical characterization of seashell waste for application in commercial sectors. <i>Thermochimica Acta</i> , 2020 , 686, 178568	2.9	5

45	Kinetic modeling of native Cassava starch thermo-oxidative degradation using Weibull and Weibull-derived models. <i>Biopolymers</i> , 2014 , 101, 41-57	2.2	5
44	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, 669-74	2.3	5
43	Influence of 24-epibrassinolide on seedling growth and distribution of mineral elements in two maize hybrids. <i>Hemijaska Industrija</i> , 2017 , 71, 201-209	0.6	5
42	On-line pyrolysis kinetics of swine manure solid samples collected from rearing farm. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 123, 2103-2120	4.1	4
41	Kinetic study of isothermal crystallization process of Gd ₂ Ti ₂ O ₇ precursor powder prepared through the Pechini synthetic approach. <i>Journal of Physics and Chemistry of Solids</i> , 2015 , 85, 160-172	3.9	4
40	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	4.1	4
39	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. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 133, 465-480	4.1	4
38	Thermal analysis testing and natural radioactivity characterization of kaolin as building material. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 133, 481-487	4.1	4
37	Study of non-isothermal crystallization of Eu ³⁺ doped Zn ₂ SiO ₄ powders through the application of various macrokinetic models. <i>Journal of Alloys and Compounds</i> , 2014 , 587, 398-414	5.7	4
36	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	2.9	4
35	Distribution of apparent activation energy counterparts during thermo- and thermo-oxidative degradation of <i>Aronia melanocarpa</i> (black chokeberry). <i>Food Chemistry</i> , 2017 , 230, 30-39	8.5	3
34	Analysis of transition from low to high iodide and iodine state in the Briggs-Rauscher oscillatory reaction containing malonic acid using Kolmogorov-Johnson-Mehl-Avrami (KJMA) theory. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2018 , 123, 61-80	1.6	3
33	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	2	3
32	Thermal characterization and isothermal kinetic analysis of commercial Creosote decomposition process. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 115, 823-832	4.1	3
31	Kinetic analysis of nonisothermal degradation of acrylonitrile-butadiene/ethylene-propylene diene rubber blends reinforced with carbon black filler. <i>Polymer Composites</i> , 2012 , 33, 1233-1243	3	3
30	Thermal stability and nonisothermal kinetics of Folvak degradation process. <i>Drug Development and Industrial Pharmacy</i> , 2010 , 36, 980-92	3.6	3
29	A New Method for Evaluation of the Isothermal Conversion Curves from the Nonisothermal Measurements. Application in Nickel Oxide Reduction Kinetics. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 1420-1427	3.9	3
28	Determination of Density Distribution Functions of the Apparent Activation Energies for Nonisothermal Decomposition Process of Sodium Bicarbonate Using the Weibull Probability Function. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2009 , 39, 75-84	2.5	3

27	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	2.4	3
26	TG-DTA-FTIR analysis and isoconversional reaction profiles for thermal and thermo-oxidative degradation processes in black chokeberry (<i>Aroniamelanocarpa</i>). <i>Chemical Papers</i> , 2016 , 70,	1.9	3
25	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	3.1	2
24	Estimation of the distribution of reactivity for powdered cellulose pyrolysis in isothermal experimental conditions using the Bayesian inference. <i>Cellulose</i> , 2015 , 22, 2283-2303	5.5	2
23	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	4.1	2
22	Dehydration of rhyolite: activation energy, water speciation and morphological investigation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 142, 395-407	4.1	2
21	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	0.5	2
20	EthylenePropyleneDiene Rubber-Based Nanoblends: Preparation, Characterization and Applications. <i>Springer Series on Polymer and Composite Materials</i> , 2017 , 281-349	0.9	1
19	New insights in dehydration stress behavior of two maize hybrids using advanced distributed reactivity model (DRM). Responses to the impact of 24-epibrassinolide. <i>PLoS ONE</i> , 2017 , 12, e0179650	3.7	1
18	Kinetic Analysis of Nonisothermal Reduction of Silica-Supported Nickel Catalyst Precursors in a Hydrogen Atmosphere. <i>Chemical Engineering Communications</i> , 2016 , 203, 182-199	2.2	1
17	Reliable method for determining the complete kinetic and thermodynamic information for thermal degradation of polymers in a multi-step process. <i>Colloid and Polymer Science</i> , 2018 , 296, 1459-1477	2.4	1
16	KineticStatistical Approach in a Detailed Study of the Mechanism of Thermal Decomposition of ZincIron-Intermetallic Phase. <i>Transactions of the Indian Institute of Metals</i> , 2014 , 67, 629-650	1.2	1
15	Kinetic study of the crystallization process of the ϵ -Fe phase in the amorphous Fe ₈₁ B ₁₃ Si ₄ C ₂ alloy. <i>Military Technical Courier</i> , 2014 , 62, 56-73	0.7	1
14	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	1.4	1
13	Carbon dioxide activation of the plane tree seeds derived bio-char: Kinetic properties and application. <i>Thermal Science</i> , 2020 , 24, 3807-3821	1.2	1
12	The impact of production operating parameters on mechanical and thermophysical characteristics of commercial wood pellets. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	1
11	Thermal characteristics and combustion reactivity of coronavirus face masks using TG-DTG-MS analysis.. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022 , 1-13	4.1	1
10	The assessment of synergistic effect on performing the co-pyrolysis process of coal and waste blends based on thermal analysis. <i>Thermal Science</i> , 2021 , 310-310	1.2	0

9	Model-free and model-based analysis of thermo-oxidative response of wolfberries: A new developed mechanistic scheme. <i>Food Chemistry</i> , 2021 , 343, 128530	8.5	o
8	The kinetic study of juice industry residues drying process based on TGA-DTG experimental data. <i>Journal of Thermal Analysis and Calorimetry</i> ,1	4.1	o
7	Transformation of Matter and Energy in Crops Under the Influence of Brassinosteroids 2019 , 251-295		
6	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	0.7	
5	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, 1437-49	2.3	
4	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	
3	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 Aronia melanocarpa (Black Chokeberry). <i>Food Biophysics</i> , 2016 , 11, 128-141	3.2	
2	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> ,1	4.1	
1	Pyrolysis kinetics of [4-(hydroxymethyl)phenoxyethyl]polystyrene (Wang) resin using master-plot method and distributed reactivity model. <i>Polymer Bulletin</i> ,1	2.4	