

Oskar Bera

List of Publications by Year in descending order

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41
papers

806
citations

430874

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41
all docs

41
docs citations

41
times ranked

1155
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel polycarbonate-based polyurethane elastomers: Composition–property relationship. <i>European Polymer Journal</i> , 2011, 47, 959-972.	5.4	134
2	Preparation and thermal properties of polystyrene/silica nanocomposites. <i>Thermochimica Acta</i> , 2011, 515, 1-5.	2.7	61
3	A new approach for modelling and optimization of Cu(II) biosorption from aqueous solutions using sugar beet shreds in a fixed-bed column. <i>Journal of Hazardous Materials</i> , 2019, 363, 366-375.	12.4	53
4	The influence of ZnO nanoparticles on thermal and mechanical behavior of polycarbonate-based polyurethane composites. <i>Composites Part B: Engineering</i> , 2014, 60, 673-679.	12.0	52
5	Chemical profile and antioxidant activity of sage herbal dust extracts obtained by supercritical fluid extraction. <i>Industrial Crops and Products</i> , 2018, 120, 305-312.	5.2	45
6	Supercritical fluid extraction of coriander seeds: Kinetics modelling and ANN optimization. <i>Journal of Supercritical Fluids</i> , 2017, 125, 88-95.	3.2	43
7	Microwave-assisted extraction of peppermint polyphenols – Artificial neural networks approach. <i>Food and Bioproducts Processing</i> , 2019, 118, 258-269.	3.6	36
8	Environmental flows and life cycle assessment of associated petroleum gas utilization via combined heat and power plants and heat boilers at oil fields. <i>Energy Conversion and Management</i> , 2016, 118, 96-104.	9.2	30
9	Extraction kinetics and ANN simulation of supercritical fluid extraction of sage herbal dust. <i>Journal of Supercritical Fluids</i> , 2017, 130, 327-336.	3.2	30
10	A review of environmentally friendly rubber production using different vegetable oils. <i>Polymer Engineering and Science</i> , 2020, 60, 1097-1117.	3.1	30
11	Optimization of Maceration Conditions for Improving the Extraction of Phenolic Compounds and Antioxidant Effects of <i>Momordica Charantia</i> L. Leaves Through Response Surface Methodology (RSM) and Artificial Neural Networks (ANNs). <i>Analytical Letters</i> , 2019, 52, 2150-2163.	1.8	29
12	Antifungal efficiency assessment of the TiO ₂ coating on façade paints. <i>Environmental Science and Pollution Research</i> , 2014, 21, 11228-11237.	5.3	27
13	Extraction of Peppermint Essential Oils and Lipophilic Compounds: Assessment of Process Kinetics and Environmental Impacts with Multiple Techniques. <i>Molecules</i> , 2021, 26, 2879.	3.8	26
14	Kinetic modeling of bulk free-radical polymerization of methyl methacrylate. <i>Polymer Journal</i> , 2013, 45, 631-636.	2.7	25
15	The structure and thermal properties of novel polyurethane/organoclay nanocomposites obtained by pre-polymerization. <i>Composites Part B: Engineering</i> , 2013, 45, 232-238.	12.0	24
16	Optimization of Fine Alumina Gelcasting Using <i>In Situ</i> Dynamic Rheology. <i>Journal of the American Ceramic Society</i> , 2012, 95, 2849-2856.	3.8	19
17	Structure–Functional property relationship of aliphatic polyurethane-silica hybrid films. <i>Progress in Organic Coatings</i> , 2019, 126, 62-74.	3.9	19
18	Conventional versus microwave-assisted hydrodistillation of sage herbal dust: Kinetics modeling and physico-chemical properties of essential oil. <i>Food and Bioproducts Processing</i> , 2020, 123, 90-101.	3.6	19

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19	Supercritical fluid extraction as a method for fat content determination and preparative technique for fatty acid analysis in mesh feed for pigs. <i>European Food Research and Technology</i> , 2011, 233, 343-350.	3.3	13
20	Modelling and efficiency evaluation of the continuous biosorption of Cu(II) and Cr(VI) from water by agricultural waste materials. <i>Journal of Environmental Management</i> , 2021, 281, 111876.	7.8	12
21	A new approach for the kinetic modeling of free radical bulk polymerization of styrene. <i>Polymer Journal</i> , 2011, 43, 826-831.	2.7	11
22	The influence of nanosilica on styrene free radical polymerization kinetics. <i>Polymer Composites</i> , 2012, 33, 262-266.	4.6	9
23	Synthesis and characterization of ricinoleic acid based hyperbranched alkyds for coating application. <i>Progress in Organic Coatings</i> , 2020, 148, 105832.	3.9	9
24	Preparation and thermal properties of chitosan/bentonite composite beads. <i>Hemijaska Industrija</i> , 2014, 68, 653-659.	0.7	7
25	Isoconversional kinetic analysis of the alkyd/melamine resins curing. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2013, 19, 253-262.	0.7	6
26	Development and modeling of the effective bioactive poultices for reducing the nitrate content in building materials. <i>Construction and Building Materials</i> , 2017, 142, 506-513.	7.2	5
27	A new approach for kinetic modeling and optimization of rubber molding. <i>Polymer Engineering and Science</i> , 2021, 61, 879-890.	3.1	5
28	Prediction of rubber vulcanization using an artificial neural network. <i>Hemijaska Industrija</i> , 2021, 75, 277-283.	0.7	5
29	Cation- and/or anion-directed reaction routes. Could the desolvation pattern of isostructural coordination compounds be related to their molecular structure?. <i>Structural Chemistry</i> , 2013, 24, 2193-2201.	2.0	4
30	The influence of bentonite and montmorillonite addition on thermal decomposition of novel polyurethane/organoclay nanocomposites. <i>Macedonian Journal of Chemistry and Chemical Engineering</i> , 2013, 32, 319.	0.6	4
31	The influence of oxide nanoparticles on the kinetics of free radical methyl methacrylate polymerization in bulk. <i>Polymer Composites</i> , 2013, 34, 1342-1348.	4.6	3
32	Modeling of Water Loss during Osmotic Dehydration of Apple Cubes in Sugar Beet Molasses. <i>Journal of Food Processing and Preservation</i> , 2014, 38, 1592-1598.	2.0	3
33	Artificial neural network modeling and optimization of wheat starch suspension microfiltration using twisted tape as a turbulence promoter. <i>Journal of Food Processing and Preservation</i> , 2019, 43, e14219.	2.0	3
34	The influence of hard segment content on mechanical and thermal properties of polycarbonate-based polyurethane materials. <i>Hemijaska Industrija</i> , 2012, 66, 853-862.	0.7	2
35	Use of exhausted biosorbent ash as eco-friendly filler in natural rubber. <i>Polymer International</i> , 0, , .	3.1	2
36	Modification of epoxy resins with thermoplastic segmented polycarbonate-based polyurethanes. <i>Hemijaska Industrija</i> , 2014, 68, 755-765.	0.7	1

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37	The influence of montmorillonite content on the kinetics of curing of epoxy nanocomposites. Hemijska Industrija, 2012, 66, 863-870.	0.7	0
38	The use of artificial neural networks for mathematical modeling of the effect of composition and production conditions on the properties of PVC floor coverings. Hemijska Industrija, 2017, 71, 11-18.	0.7	0
39	The influence of silica nanoparticles on thermal degradation and mechanical properties of nanocomposites based on aliphatic polyurethanes. Hemijska Industrija, 2018, 72, 215-227.	0.7	0
40	Analysis of new forms of orifice plates using computational fluid dynamics. Hemijska Industrija, 2019, 73, 311-323.	0.7	0
41	The novel modeling approach for the study of thermal degradation of PMMA/nanooxide systems. Macedonian Journal of Chemistry and Chemical Engineering, 2019, 38, 95.	0.6	0