SÅ,awomir Borysiak

List of Publications by Year
in descending order

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54
docs citations

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times ranked

1199
citing authors

#	ARTICLE	IF	CITATIONS
1	TiO2/nanocellulose hybrids as functional additives for advanced polypropylene nanocomposites. Industrial Crops and Products, 2022, 176, 114314.	2.5	7
2	Cladium mariscus Saw-Sedge versus Sawdustâ€"Efficient Biosorbents for Removal of Hazardous Textile Dye C.I. Basic Blue 3 from Aqueous Solutions. Processes, 2022, 10, 586.	1.3	5
3	Conversion of Carbohydrates in Lignocellulosic Biomass after Chemical Pretreatment. Energies, 2022, 15, 254.	1.6	12
4	Bioactive Propolis-Silane System as Antifungal Agent in Lignocellulosic-Polymer Composites. Materials, 2022, 15, 3435.	1.3	2
5	Evaluation of the Hydrolysis Efficiency of Bacterial Cellulose Gel Film after the Liquid Hot Water and Steam Explosion Pretreatments. Polymers, 2022, 14, 2032.	2.0	7
6	Miscanthus and Sorghum as sustainable biomass sources for nanocellulose production. Industrial Crops and Products, 2022, 186, 115177.	2.5	12
7	Propolis and Organosilanes as Innovative Hybrid Modifiers in Wood-Based Polymer Composites. Materials, 2021, 14, 464.	1.3	14
8	Influence of wood thermal modification on the supermolecular structure of polypropylene composites. Polymer Composites, 2021, 42, 2087-2100.	2.3	6
9	Enzymatic engineering of nanometric cellulose for sustainable polypropylene nanocomposites. Industrial Crops and Products, 2021, 161, 113188.	2.5	53
10	Chemical and Structural Characterization of Maize Stover Fractions in Aspect of Its Possible Applications. Materials, 2021, 14, 1527.	1.3	17
11	Production of Nanocellulose by Enzymatic Treatment for Application in Polymer Composites. Materials, 2021, 14, 2124.	1.3	29
12	The influence of crystalline structure of cellulose in chitosan-based biocomposites on removal of Ca(II), Mg(II), Fe(III) ion in aqueous solutions. Cellulose, 2021, 28, 5745.	2.4	9
13	Nanocellulose Production Using Ionic Liquids with Enzymatic Pretreatment. Materials, 2021, 14, 3264.	1.3	28
14	Innovative ionic liquids as functional agent for wood-polymer composites. Cellulose, 2021, 28, 10589-10608.	2.4	8
15	Highly Insulative PEG-Grafted Cellulose Polyurethane Foamsâ€"From Synthesis to Application Properties. Materials, 2021, 14, 6363.	1.3	8
16	Statistical prediction of biogas and methane yields during anaerobic digestion based on the composition of lignocellulosic biomass. BioResources, 2021, 16, 7086-7100.	0.5	6
17	The effect of the time process of enzymatic hydrolysis on nanocellulose properties. Annals of WULS Forestry and Wood Technology, 2021, 115, 101-107.	0.0	0
18	Preparation of nanocellulose by hydrolysis with ionic liquids and two-step hydrolysis with ionic liquids and enzymes. Annals of WULS Forestry and Wood Technology, 2021, 116, 5-14.	0.0	0

#	Article	IF	Citations
19	Functional MgOâ€“Lignin Hybrids and Their Application as Fillers for Polypropylene Composites. Molecules, 2020, 25, 864.	1.7	14
20	Preparation of Nanocellulose Using Ionic Liquids: 1-Propyl-3-Methylimidazolium Chloride and 1-Ethyl-3-Methylimidazolium Chloride. Molecules, 2020, 25, 1544.	1.7	39
21	Preparation and characterization of polypropylene composites reinforced by functional ZnO/lignin hybrid materials. Polymer Testing, 2019, 79, 106058.	2.3	38
22	The influence of the cation type of ionic liquid on the production of nanocrystalline cellulose and mechanical properties of chitosan-based biocomposites. Cellulose, 2019, 26, 4827-4840.	2.4	28
23	Thermal and mechanical properties of biodegradable composites with nanometric cellulose. Journal of Thermal Analysis and Calorimetry, 2019, 138, 4407-4416.	2.0	5
24	Cilostazol-loaded electrospun three-dimensional systems for potential cardiovascular application: Effect of fibers hydrophilization on drug release, and cytocompatibility. Journal of Colloid and Interface Science, 2019, 536, 310-327.	5.0	22
25	Characterization of Polymer Inclusion Membranes (PIMs) Containing Phosphonium Ionic Liquids as Zn(II) Carriers. Industrial & Engineering Chemistry Research, 2018, 57, 5070-5082.	1.8	37
26	Chitosan biocomposites with enzymatically produced nanocrystalline cellulose. Polymer Composites, 2018, 39, E448.	2.3	13
27	Thermal and Mechanical Properties of Silicaâ€“Lignin/Polylactide Composites Subjected to Biodegradation. Materials, 2018, 11, 2257.	1.3	23
28	The effect of chemical modification of wood in ionic liquids on the supermolecular structure and mechanical properties of wood/polypropylene composites. Cellulose, 2018, 25, 4639-4652.	2.4	27
29	Analysis of the Nucleation Activity of Wood Fillers for Green Polymer Composites. Fibres and Textiles in Eastern Europe, 2018, 26, 66-72.	0.2	4
30	Thermal and mechanical properties of chitosan nanocomposites with cellulose modified in ionic liquids. Journal of Thermal Analysis and Calorimetry, 2017, 130, 143-154.	2.0	59
31	Influence of the polymorphism of cellulose on the formation of nanocrystals and their application in chitosan/nanocellulose composites. Journal of Applied Polymer Science, 2016, 133, .	1.3	32
32	Supermolecular structure and nucleation ability of polylactide-based composites with silica/lignin hybrid fillers. Journal of Thermal Analysis and Calorimetry, 2016, 126, 263-275.	2.0	38
33	Nucleation ability of advanced functional silica/lignin hybrid fillers in polypropylene composites. Journal of Thermal Analysis and Calorimetry, 2016, 126, 251-262.	2.0	45
34	Recycling of lignocellulosics filled polypropylene composites. I. Analysis of thermal properties, morphology, and amount of free radicals. Journal of Applied Polymer Science, 2015, 132, .	1.3	2
35	The thermo-oxidative stability and flammability of wood/polypropylene composites. Journal of Thermal Analysis and Calorimetry, 2015, 119, 1955-1962.	2.0	34
36	Crystallization of different polypropylene matrices in the presence of wood fillers. Polymer Composites, 2015, 36, 1813-1818.	2.3	7

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37	The Study of Glucose and Xylose Content by Acid Hydrolysis of Ash Wood (Fraxinus excelsior L.) after Thermal Modification in Nitrogen by HPLC Method. BioResources, 2014, 9, .	0.5	9
38	Fundamental studies on lignocellulose/polypropylene composites: Effects of wood treatment on the transcrystalline morphology and mechanical properties. Journal of Applied Polymer Science, 2013, 127, 1309-1322.	1.3	68
39	Influence of cellulose polymorphs on the polypropylene crystallization. Journal of Thermal Analysis and Calorimetry, 2013, 113, 281-289.	2.0	28
40	The Influence of Processing and the Polymorphism of Lignocellulosic Fillers on the Structure and Properties of Composite Materialsâ€”A Review. Materials, 2013, 6, 2747-2767.	1.3	47
41	Influence of wood mercerization on the crystallization of polypropylene in wood/PP composites. Journal of Thermal Analysis and Calorimetry, 2012, 109, 595-603.	2.0	29
42	The supermolecular structure of isotactic polypropylene/atactic polystyrene blends. Polymer Engineering and Science, 2011, 51, 2505-2516.	1.5	4
43	The Structure, Morphology, and Mechanical Properties of Thermoplastic Composites with Ligncellulosic Fiber. , 2011, , 263-290.		2
44	Supermolecular structure of wood/polypropylene composites: I. The influence of processing parameters and chemical treatment of the filler. Polymer Bulletin, 2010, 64, 275-290.	1.7	24
45	A study of transcrystallinity in polypropylene in the presence of wood irradiated with gamma rays. Journal of Thermal Analysis and Calorimetry, 2010, 101, 439-445.	2.0	19
46	Polypropylene-lignocellulosic material composites as promising sound absorbing materials. Polimery, 2009, 54, 430-435.	0.4	12
47	The influence of chemical modification of wood on its nucleation ability in polypropylene composites. Polimery, 2009, 54, 820-827.	0.4	10
48	Mechanical Properties of Lignocellulosic/Polypropylene Composites. Molecular Crystals and Liquid Crystals, 2008, 484, 13/[379]-22/[388].	0.4	14
49	Determination of nucleating ability ofwood for non-isothermal crystallisation of polypropylene. Journal of Thermal Analysis and Calorimetry, 2007, 88, 455-462.	2.0	39
50	Flammability of woodâ€“polypropylene composites. Polymer Degradation and Stability, 2006, 91, 3339-3343.	2.7	68
51	Influence of chemical modification of wood on the crystallisation of polypropylene. European Journal of Wood and Wood Products, 2006, 64, 451-454.	1.3	27
52	INFLUENCE OF THE PULLING OF EMBEDDED NATURAL FIBERS ON THE CRYSTAL STRUCTURE OF POLYPROPYLENE MATRIX. International Journal of Polymeric Materials and Polymeric Biomaterials, 2004, 53, 725-733.	1.8	8
53	Polypropylene - cellulose fibres composites. Part I. Influence of conditions of extrusion and injection processes on the structure of polypropylene matrix. Polimery, 2004, 49, 541-546.	0.4	12
54	POLYMORPHISM OF ISOTACTIC POLYPROPYLENE IN PRESENCE OF ADDITIVES, IN BLENDS AND IN COMPOSITES. Journal of Macromolecular Science - Physics, 2002, 41, 1267-1278.	0.4	37