

Michal Jablonsky

List of Publications by Year in descending order

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44
papers

995
citations

516215

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#	ARTICLE	IF	CITATIONS
1	Extraction of value-added components from food industry based and agro-forest biowastes by deep eutectic solvents. <i>Journal of Biotechnology</i> , 2018, 282, 46-66.	1.9	136
2	Deep Eutectic Solvents: Fractionation of Wheat Straw. <i>BioResources</i> , 2015, 10, .	0.5	87
3	Use of Deep Eutectic Solvents in Polymer Chemistryâ€”A Review. <i>Molecules</i> , 2019, 24, 3978.	1.7	85
4	Antibacterial and antifungal activity of phytosterols and methyl dehydroabietate of Norway spruce bark extracts. <i>Journal of Biotechnology</i> , 2018, 282, 18-24.	1.9	59
5	Cellulose degradation in newsprint paper ageing. <i>Polymer Degradation and Stability</i> , 2009, 94, 1509-1514.	2.7	53
6	Valorisation of softwood bark through extraction of utilizable chemicals. A review. <i>Biotechnology Advances</i> , 2017, 35, 726-750.	6.0	53
7	Preparation and characterization of physicochemical properties and application of novel ternary deep eutectic solvents. <i>Cellulose</i> , 2019, 26, 3031-3045.	2.4	40
8	Chemical Composition and Thermal Behavior of Kraft Lignins. <i>Forests</i> , 2019, 10, 483.	0.9	38
9	Assessing the opportunities for applying deep eutectic solvents for fractionation of beech wood and wheat straw. <i>Cellulose</i> , 2019, 26, 7675-7684.	2.4	36
10	Deep eutectic solvent delignification: Impact of initial lignin. <i>BioResources</i> , 2017, 12, 7301-7310.	0.5	32
11	UV/Vis Spectrometry as a Quantification Tool for Lignin Solubilized in Deep Eutectic Solvents. <i>BioResources</i> , 2017, 12, .	0.5	28
12	Characterization of Non-wood Lignin Precipitated with Sulphuric Acid of Various Concentrations. <i>BioResources</i> , 2014, 10, .	0.5	25
13	Bioresource of Antioxidant and Potential Medicinal Compounds from Waste Biomass of Spruce. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8161-8170.	3.2	25
14	Long-term Isothermal Stability of Deep Eutectic Solvents. <i>BioResources</i> , 2018, 13, .	0.5	22
15	Investigation of Total Phenolic Content and Antioxidant Activities of Spruce Bark Extracts Isolated by Deep Eutectic Solvents. <i>Crystals</i> , 2020, 10, 402.	1.0	20
16	Considerations on factors influencing the degradation of cellulose in alum-rosin sized paper. <i>Carbohydrate Polymers</i> , 2020, 245, 116534.	5.1	19
17	Composition of fatty acids and tocopherols in peels, seeds and leaves of Sea buckthorn. <i>Acta Chimica Slovaca</i> , 2017, 10, 29-34.	0.5	17
18	Oxidative degradation of paper â€” A minireview. <i>Journal of Cultural Heritage</i> , 2021, 48, 269-276.	1.5	16

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19	Determination of the Thermal Oxidation Stability and the Kinetic Parameters of Commercial Extra Virgin Olive Oils from Different Varieties. <i>Journal of Chemistry</i> , 2019, 2019, 1-8.	0.9	14
20	Characterization of Klason lignins by reversed-phase high-performance liquid chromatography using wide-pore octadecylsilica and stepwise gradients of dimethylformamide in water. <i>Journal of Separation Science</i> , 2006, 29, 2179-2189.	1.3	13
21	Deep Eutectic Solvents as Medium for Pretreatment of Biomass. <i>Key Engineering Materials</i> , 0, 688, 17-24.	0.4	13
22	Influence of deodorization temperature on formation of tocopherol esters and fatty acids polymers in vegetable oil. <i>European Journal of Lipid Science and Technology</i> , 2017, 119, 1600027.	1.0	13
23	Spruce Bark – A Source of Polyphenolic Compounds: Optimizing the Operating Conditions of Supercritical Carbon Dioxide Extraction. <i>Molecules</i> , 2019, 24, 4049.	1.7	13
24	Pharmacokinetic properties of biomass-extracted substances isolated by green solvents. <i>BioResources</i> , 2019, 14, 6294-6303.	0.5	13
25	Energy and chemical conversion of five Australian lignocellulosic feedstocks into bio-crude through liquefaction. <i>RSC Advances</i> , 2017, 7, 27707-27717.	1.7	11
26	Phytomass Valorization by Deep Eutectic Solvents – Achievements, Perspectives, and Limitations. <i>Crystals</i> , 2020, 10, 800.	1.0	10
27	Stability of Alum-Containing Paper under Alkaline Conditions. <i>Molecules</i> , 2020, 25, 5815.	1.7	10
28	Involvement of Deep Eutectic Solvents in Extraction by Molecularly Imprinted Polymers – A Mini-review. <i>Crystals</i> , 2020, 10, 217.	1.0	10
29	Antioxidant activity and the tocopherol and phenol contents of grape residues. <i>BioResources</i> , 2019, 14, 4146-4156.	0.5	10
30	Delignification of unbleached pulp by ternary deep eutectic solvents. <i>Green Processing and Synthesis</i> , 2021, 10, 666-676.	1.3	10
31	Cellulose Fibre Identification through Color Vectors of Stained Fibre. <i>BioResources</i> , 2015, 10, .	0.5	9
32	Yield of Polyphenolic Substances Extracted From Spruce (<i>Picea abies</i>) Bark by Microwave-Assisted Extraction. <i>BioResources</i> , 2016, 11, .	0.5	9
33	Mechanical properties of pulp delignified by deep eutectic solvents. <i>BioResources</i> , 2017, 12, 7479-7486.	0.5	9
34	Screen-printed PEDOT:PSS/halloysite counter electrodes for dye-sensitized solar cells. <i>Synthetic Metals</i> , 2019, 256, 116148.	2.1	7
35	Physical properties and thermal behavior of novel ternary green solvents. <i>Journal of Molecular Liquids</i> , 2019, 287, 110991.	2.3	6
36	Optimization and application of green solvent extraction of natural bioactive coumarins from Lamiaceae and Asteraceae herbal plants. <i>Journal of Molecular Liquids</i> , 2021, 338, 116691.	2.3	6

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37	Molecular docking and machine learning affinity prediction of compounds identified upon softwood bark extraction to the main protease of the SARS-CoV-2 virus. <i>Biophysical Chemistry</i> , 2022, 288, 106854.	1.5	6
38	The Effect of Acetic and Formic Acid Formation during Accelerated Ageing on Embrittlement of Newsprint Paper. <i>Restaurator</i> , 2011, 32, .	0.2	3
39	Accelerated and Natural Aging of Cellulose-Based Paper: Py-GC/MS Method. <i>Molecules</i> , 2022, 27, 2855.	1.7	3
40	Comparison of Different Methods for Extraction from Lavender: Yield and Chemical Composition. <i>Key Engineering Materials</i> , 2016, 688, 31-37.	0.4	2
41	Stability of the Lignins and their Potential in Production of Bioplastics. <i>Key Engineering Materials</i> , 2016, 688, 25-30.	0.4	2
42	Cellulose Materials Identification: The Effect of Dimensionality of Colour Photography Data. <i>BioResources</i> , 2015, 11, .	0.5	1
43	Valorization of birch bark using a low transition temperature mixture composed of choline chloride and lactic acid. <i>Green Processing and Synthesis</i> , 2021, 10, 902-911.	1.3	1
44	Microwave-assisted Extraction of Spruce Bark: Statistical Optimization Using Box-Behnken Design. <i>BioResources</i> , 2018, 13, .	0.5	0