

Elena V Udoratina

List of Publications by Year in descending order

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papers

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357
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellulose nanocrystals with different length-to-diameter ratios extracted from various plants using novel system acetic acid/phosphotungstic acid/octanol-1. <i>Cellulose</i> , 2018, 25, 1031-1046.	4.9	42
2	Extraction and structural characteristics of pectic polysaccharides from <i>Abies sibirica</i> L. <i>Carbohydrate Polymers</i> , 2015, 123, 228-236.	10.2	35
3	Cellulose nanocrystals prepared in H3PW12O40-acetic acid system. <i>Cellulose</i> , 2017, 24, 2153-2162.	4.9	35
4	Disk-like nanocrystals prepared by solvolysis from regenerated cellulose and colloid properties of their hydrosols. <i>Carbohydrate Polymers</i> , 2018, 200, 162-172.	10.2	17
5	Structural and chemical characteristics of pectins, arabinogalactans, and arabinogalactan proteins from conifers. <i>Russian Chemical Bulletin</i> , 2015, 64, 1302-1318.	1.5	15
6	Hemocompatibility, biodegradability and acute toxicity of acetylated cellulose nanocrystals of different types in comparison. <i>Carbohydrate Polymers</i> , 2021, 269, 118307.	10.2	15
7	Enzymatic hydrolysis of lignocellulosic materials in aqueous media and the subsequent microbiological synthesis of bioethanol. <i>Catalysis in Industry</i> , 2016, 8, 168-175.	0.7	13
8	Effect of Sulfation and Molecular Weight on Anticoagulant Activity of Dextran. <i>Bulletin of Experimental Biology and Medicine</i> , 2017, 162, 462-465.	0.8	12
9	Manipulating the colloidal properties of (non-)sulfated cellulose nanocrystals via stepwise surface cyanoethylation/carboxylation. <i>European Polymer Journal</i> , 2019, 115, 225-233.	5.4	12
10	Electron-Beam Plasma for Biomass Modification. <i>IEEE Transactions on Plasma Science</i> , 2020, 48, 1035-1041.	1.3	12
11	Kinetic study of wood pyrolysis in presence of metal halides. <i>Open Chemistry</i> , 2014, 12, 1294-1303.	1.9	8
12	Synthesis of inulin esters of phenylcarboxylic acids. <i>Russian Journal of Organic Chemistry</i> , 2013, 49, 702-706.	0.8	6
13	Kinetics of the thermocatalytic conversion of lignocellulose. <i>Kinetics and Catalysis</i> , 2015, 56, 663-669.	1.0	6
14	Kinetics of the enzymatic hydrolysis of lignocellulosic materials at different concentrations of the substrate. <i>Catalysis in Industry</i> , 2016, 8, 81-87.	0.7	6
15	A Fenton-like System ($\text{Cu(II)/H}_2\text{O}_2$) for the Preparation of Cellulose Nanocrystals with a Slightly Modified Surface. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 20282-20290.	3.7	5
16	Effect of Nanocrystalline Particles of Chitin on Blood Components in Humans and Experimental Animals. <i>Bulletin of Experimental Biology and Medicine</i> , 2018, 164, 766-769.	0.8	4
17	Synthesis and hemocompatibility of amino (di-)butyldeoxy modified hydroxyethyl starch. <i>International Journal of Biological Macromolecules</i> , 2020, 145, 936-943.	7.5	4
18	Oxyethylated cellulose sulfates. <i>Polymer Science - Series B</i> , 2012, 54, 175-182.	0.8	2

#	ARTICLE	IF	CITATIONS
19	Synthesis of hydroxyethyl starch derivatives with phenylpropanoid fragments attached through ester or sulfide bonds. Russian Chemical Bulletin, 2014, 63, 2130-2135.	1.5	2
20	IR Spectral Study and X-Ray Structural Analysis of the Supramolecular Structure of Cellulose Powder. Fibre Chemistry, 2016, 48, 342-348.	0.2	1
21	Degradation of Hardwood Sulfate Pulp in Aqueous Dioxane. Russian Journal of Applied Chemistry, 2005, 78, 1333-1336.	0.5	0
22	Preparation of a lignocellulose material from wastes. Russian Journal of Applied Chemistry, 2007, 80, 118-121.	0.5	0