

Riku A Talja

List of Publications by Year in descending order

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19
papers

1,070
citations

759233

12
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

1402
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of various polyols and polyol contents on physical and mechanical properties of potato starch-based films. <i>Carbohydrate Polymers</i> , 2007, 67, 288-295.	10.2	348
2	Phase and state transition effects on dielectric, mechanical, and thermal properties of polyols. <i>Thermochimica Acta</i> , 2001, 380, 109-121.	2.7	130
3	Effect of Polysaccharide Structure on Mechanical and Thermal Properties of Galactomannan-Based Films. <i>Biomacromolecules</i> , 2007, 8, 3198-3205.	5.4	117
4	Effect of type and content of binary polyol mixtures on physical and mechanical properties of starch-based edible films. <i>Carbohydrate Polymers</i> , 2008, 71, 269-276.	10.2	117
5	Films from oat spelt arabinoxylan plasticized with glycerol and sorbitol. <i>Journal of Applied Polymer Science</i> , 2009, 114, 457-466.	2.6	100
6	Properties of gluten-based sheet produced by twin-screw extruder. <i>LWT - Food Science and Technology</i> , 2006, 39, 893-901.	5.2	38
7	Solvent impact on esterification and film formation ability of nanofibrillated cellulose. <i>Cellulose</i> , 2013, 20, 2359-2370.	4.9	37
8	Combination of internal and external plasticization of hydroxypropylated birch xylan tailors the properties of sustainable barrier films. <i>European Polymer Journal</i> , 2015, 66, 307-318.	5.4	36
9	Effect of Amylose Content on Physical and Mechanical Properties of Potato-Starch-Based Edible Films. <i>Biomacromolecules</i> , 2008, 9, 658-663.	5.4	32
10	The effect of cellulose molar mass on the properties of palmitate esters. <i>Carbohydrate Polymers</i> , 2016, 151, 988-995.	10.2	25
11	Simultaneous bench scale production of dissolving grade pulp and valuable hemicelluloses from softwood kraft pulp by ionic liquid extraction. <i>Carbohydrate Polymers</i> , 2016, 136, 402-408.	10.2	25
12	Effects of talc, kaolin and calcium carbonate as fillers in biopolymer packaging materials. <i>Journal of Polymer Engineering</i> , 2021, 41, 746-758.	1.4	17
13	Synthesis and melt processing of cellulose esters for preparation of thermoforming materials and extended drug release tablets. <i>Carbohydrate Polymers</i> , 2017, 177, 105-115.	10.2	12
14	Talc reinforcement of polylactide and biodegradable polyester blends via injection molding and pilot-scale film extrusion. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51225.	2.6	12
15	Experiences of Kraft Lignin Functionalization by Enzymatic and Chemical Oxidation. <i>BioResources</i> , 2014, 9, .	1.0	11
16	Chemically modified cellulose nanofibril as an additive for two-component polyurethane coatings. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	9
17	Effect of filler additions on pilot-scale extrusion coating of paperboard with PLA-based blends. <i>Nordic Pulp and Paper Research Journal</i> , 2022, .	0.7	2
18	Mineral-filled biopolyester coatings for paperboard packaging materials: barrier, sealability, convertability and biodegradability properties. <i>Nordic Pulp and Paper Research Journal</i> , 2022, .	0.7	2

#	ARTICLE	IF	CITATIONS
19	Chemically modified cellulose nanofibril as an additive for two-component polyurethane coatings. Journal of Applied Polymer Science, 2018, 135, 46549.	2.6	0