Riku A Talja

List of Publications by Year
in descending order

19 papers	1,070 citations	858243 12 h-index	939365 18 g-index
19 all docs	19 docs citations	19 times ranked	1530 citing authors

#	Article	IF	Citations
1	Effect of various polyols and polyol contents on physical and mechanical properties of potato starch-based films. Carbohydrate Polymers, 2007, 67, 288-295.	5.1	348
2	Phase and state transition effects on dielectric, mechanical, and thermal properties of polyols. Thermochimica Acta, 2001, 380, 109-121.	1.2	130
3	Effect of Polysaccharide Structure on Mechanical and Thermal Properties of Galactomannan-Based Films. Biomacromolecules, 2007, 8, 3198-3205.	2.6	117
4	Effect of type and content of binary polyol mixtures on physical and mechanical properties of starch-based edible films. Carbohydrate Polymers, 2008, 71, 269-276.	5.1	117
5	Films from oat spelt arabinoxylan plasticized with glycerol and sorbitol. Journal of Applied Polymer Science, 2009, 114, 457-466.	1.3	100
6	Properties of gluten-based sheet produced by twin-screw extruder. LWT - Food Science and Technology, 2006, 39, 893-901.	2.5	38
7	Solvent impact on esterification and film formation ability of nanofibrillated cellulose. Cellulose, 2013, 20, 2359-2370.	2.4	37
8	Combination of internal and external plasticization of hydroxypropylated birch xylan tailors the properties of sustainable barrier films. European Polymer Journal, 2015, 66, 307-318.	2.6	36
9	Effect of Amylose Content on Physical and Mechanical Properties of Potato-Starch-Based Edible Films. Biomacromolecules, 2008, 9, 658-663.	2.6	32
10	The effect of cellulose molar mass on the properties of palmitate esters. Carbohydrate Polymers, 2016, 151, 988-995.	5.1	25
11	Simultaneous bench scale production of dissolving grade pulp and valuable hemicelluloses from softwood kraft pulp by ionic liquid extraction. Carbohydrate Polymers, 2016, 136, 402-408.	5.1	25
12	Effects of talc, kaolin and calcium carbonate as fillers in biopolymer packaging materials. Journal of Polymer Engineering, 2021, 41, 746-758.	0.6	17
13	Synthesis and melt processing of cellulose esters for preparation of thermoforming materials and extended drug release tablets. Carbohydrate Polymers, 2017, 177, 105-115.	5.1	12
14	Talc reinforcement of polylactide and biodegradable polyester blends via injectionâ€molding and pilotâ€scale film extrusion. Journal of Applied Polymer Science, 2021, 138, 51225.	1.3	12
15	Experiences of Kraft Lignin Functionalization by Enzymatic and Chemical Oxidation. BioResources, 2014, 9, .	0.5	11
16	Chemically modified cellulose nanofibril as an additive for twoâ€component polyurethane coatings. Journal of Applied Polymer Science, 2017, 134, .	1.3	9
17	Effect of filler additions on pilot-scale extrusion coating of paperboard with PLA-based blends. Nordic Pulp and Paper Research Journal, 2022, .	0.3	2
18	Mineral-filled biopolyester coatings for paperboard packaging materials: barrier, sealability, convertability and biodegradability properties. Nordic Pulp and Paper Research Journal, 2022, .	0.3	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.	1.3	0