

Lenka Musilová

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Hyaluronan hydrogels modified by glycinated Kraft lignin: Morphology, swelling, viscoelastic properties and biocompatibility. <i>Carbohydrate Polymers</i> , 2018, 181, 394-403.	5.1	61
2	The Influence of Hofmeister Series Ions on Hyaluronan Swelling and Viscosity. <i>Molecules</i> , 2008, 13, 1025-1034.	1.7	37
3	The Effect of Plasma Pretreatment and Cross-Linking Degree on the Physical and Antimicrobial Properties of Nisin-Coated PVA Films. <i>Materials</i> , 2018, 11, 1451.	1.3	31
4	Viscoelastic and mechanical properties of hyaluronan films and hydrogels modified by carbodiimide. <i>Carbohydrate Polymers</i> , 2015, 119, 142-148.	5.1	25
5	Preparation of Textured Surfaces on Aluminum-Alloy Substrates. <i>Materials</i> , 2019, 12, 109.	1.3	20
6	Oxidized polysaccharides for anticancer-drug delivery: What is the role of structure?. <i>Carbohydrate Polymers</i> , 2021, 257, 117562.	5.1	18
7	Preparation of Hierarchically Structured Polystyrene Surfaces with Superhydrophobic Properties by Plasma-Assisted Fluorination. <i>Coatings</i> , 2019, 9, 201.	1.2	16
8	The behaviour of hyaluronan solutions in the presence of Hofmeister ions: A light scattering, viscometry and surface tension study. <i>Carbohydrate Polymers</i> , 2019, 212, 395-402.	5.1	16
9	Electrospinning of Hyaluronan Using Polymer Coelectrospinning and Intermediate Solvent. <i>Polymers</i> , 2019, 11, 1517.	2.0	12
10	The influence of quarternary salt on hyaluronan conformation and particle size in solution. <i>Carbohydrate Polymers</i> , 2013, 98, 1039-1044.	5.1	10
11	Variations of Polymer Porous Surface Structures via the Time-Sequenced Dosing of Mixed Solvents. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6472-6481.	4.0	9
12	Effect of sodium salts on diffusion of poly(vinyl alcohol) in aqueous solutions. <i>Journal of Molecular Liquids</i> , 2020, 304, 112728.	2.3	9
13	Factors determining self-assembly of hyaluronan. <i>Carbohydrate Polymers</i> , 2021, 254, 117307.	5.1	7
14	Host-guest paracetamol/cyclodextrin complex formation evaluated from coupled diffusion measurements. <i>Journal of Chemical Thermodynamics</i> , 2021, 161, 106551.	1.0	7
15	Surface Modification of Metallic Inserts for Enhancing Adhesion at the Metal-Polymer Interface. <i>Polymers</i> , 2021, 13, 4015.	2.0	7
16	Characterization at 25 °C of Sodium Hyaluronate in Aqueous Solutions Obtained by Transport Techniques. <i>Molecules</i> , 2015, 20, 5812-5824.	1.7	6
17	Superhydrophobic poly(vinyl butyral) nanofibrous membrane containing various silica nanoparticles. <i>Journal of the Textile Institute</i> , 2019, 110, 1508-1514.	1.0	6
18	Effect of Hofmeister Ions on Transport Properties of Aqueous Solutions of Sodium Hyaluronate. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1932.	1.8	5

#	ARTICLE	IF	CITATIONS
19	Cross-Linked Gelatine by Modified Dextran as a Potential Bioink Prepared by a Simple and Non-Toxic Process. <i>Polymers</i> , 2022, 14, 391.	2.0	5
20	Polyacrylamide brushes with varied morphologies as a tool for control of the intermolecular interactions within EPDM/MVQ blends. <i>Polymer</i> , 2021, 215, 123387.	1.8	4
21	Dependence of Viscosity and Diffusion on β -Cyclodextrin and Chloroquine Diphosphate Interactions. <i>Processes</i> , 2021, 9, 1433.	1.3	4
22	A special instrument for the defined modification of polymer properties in solutions and polymer layers. <i>Measurement: Journal of the International Measurement Confederation</i> , 2017, 97, 218-225.	2.5	2
23	Stability of Aqueous Polymeric Dispersions for Ultra-Thin Coating of Bi-Axially Oriented Polyethylene Terephthalate Films. <i>Coatings</i> , 2017, 7, 234.	1.2	2
24	Hierarchically Structured Surfaces Prepared by Phase Separation: Tissue Mimicking Culture Substrate. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2541.	1.8	2