

Lubomir Lapcik

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

1,927
citations

394390

19
h-index

265191

42
g-index

69
all docs

69
docs citations

69
times ranked

2485
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of rapeseed oil on the rheological, mechanical and thermal properties of plastic lubricants. <i>Mechanics of Time-Dependent Materials</i> , 2022, 26, 33-47.	4.4	0
2	Physical characterization of the milk chocolate using whey powder. <i>LWT - Food Science and Technology</i> , 2022, 154, 112669.	5.2	12
3	Enhancement of the mechanical properties of HDPE mineral nanocomposites by filler particles modulation of the matrix plastic/elastic behavior. <i>Nanotechnology Reviews</i> , 2022, 11, 312-320.	5.8	10
4	Effect of Conditioning on PU Foam Matrix Materials Properties. <i>Materials</i> , 2022, 15, 195.	2.9	3
5	Antibacterial nanomaterials: Upcoming hope to overcome antibiotic resistance crisis. <i>Nanotechnology Reviews</i> , 2022, 11, 1115-1142.	5.8	28
6	Intelligent high-tech coating of natural biopolymer layers. <i>Advances in Colloid and Interface Science</i> , 2022, 304, 102681.	14.7	11
7	The effect of long-term natural aging on the iPB-1 structure and the II \leftrightarrow I phase transformation rate. <i>Polymer Degradation and Stability</i> , 2021, 183, 109437.	5.8	0
8	Effect of the rice flour particle size and variety type on water holding capacity and water diffusivity in aqueous dispersions. <i>LWT - Food Science and Technology</i> , 2021, 142, 111082.	5.2	8
9	Testing of electron beam irradiated sheep wool for adsorption of Cr(III) and Co(II) of higher concentrations. <i>Polymer Testing</i> , 2021, 99, 107191.	4.8	9
10	Radiation-modified wool for adsorption of redox metals and potentially for nanoparticles. <i>Nanotechnology Reviews</i> , 2020, 9, 1017-1026.	5.8	7
11	Study of the material engineering properties of high-density poly(ethylene)/perlite nanocomposite materials. <i>Nanotechnology Reviews</i> , 2020, 9, 1491-1499.	5.8	10
12	Flow induced HeLa cell detachment kinetics show that oxygen-containing functional groups in graphene oxide are potent cell adhesion enhancers. <i>Nanoscale</i> , 2019, 11, 3222-3228.	5.6	18
13	Tuning the photocatalytic properties of sol-gel-derived single, coupled, and alloyed ZnO-TiO ₂ nanoparticles. <i>Research on Chemical Intermediates</i> , 2019, 45, 4193-4204.	2.7	13
14	Impact of particle size on wheat dough and bread characteristics. <i>Food Chemistry</i> , 2019, 297, 124938.	8.2	39
15	Evaluation of various emulsifying salts addition on selected properties of processed cheese sauce with the use of mechanical vibration damping and rheological methods. <i>LWT - Food Science and Technology</i> , 2019, 107, 178-184.	5.2	16
16	Materials characterization of advanced fillers for composites engineering applications. <i>Nanotechnology Reviews</i> , 2019, 8, 503-512.	5.8	16
17	Physico-chemical study of steroids from different matureness corn silk material. <i>Potravinarstvo</i> , 2019, 13, 658-664.	0.6	2
18	Effect of filler particle shape on plastic-elastic mechanical behavior of high density poly(ethylene)/mica and poly(ethylene)/wollastonite composites. <i>Composites Part B: Engineering</i> , 2018, 141, 92-99.	12.0	50

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19	Determination of kinetic and thermodynamic parameters of food hydrocolloids/water interactions by means of thermal analysis and viscometry. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 555, 270-279.	4.7	10
20	Thermal aging of edible oils: spectrophotometric study. <i>Potravinarstvo</i> , 2018, 12, .	0.6	4
21	Physico-chemical study of flavonoids from different maturity corn silk material. <i>Potravinarstvo</i> , 2018, 12, .	0.6	4
22	High density poly(ethylene)/CaCO ₃ hollow spheres composites for technical applications. <i>Composites Part B: Engineering</i> , 2017, 113, 218-224.	12.0	30
23	Application of a vibration damping technique in characterizing mechanical properties of chicken meat batters modified with amaranth. <i>Journal of Food Measurement and Characterization</i> , 2017, 11, 1987-1994.	3.2	4
24	Physico-chemical characterisation of Slovak wines. <i>Potravinarstvo</i> , 2017, 11, .	0.6	6
25	Effect of cocoa fat content on wetting and surface energy of chocolate. <i>Potravinarstvo</i> , 2017, 11, 410-416.	0.6	7
26	The effect of conformational transition of gelatin-polysaccharide polyelectrolyte complex on its functional properties. <i>Potravinarstvo</i> , 2017, 11, 587-596.	0.6	0
27	Surface heterogeneity: Information from inverse gas chromatography and application to model pharmaceutical substances. <i>Current Opinion in Colloid and Interface Science</i> , 2016, 24, 64-71.	7.4	26
28	The effect of different composition of ternary mixtures of emulsifying salts on the consistency of processed cheese spreads manufactured from Swiss-type cheese with different degrees of maturity. <i>Journal of Dairy Science</i> , 2016, 99, 3274-3287.	3.4	10
29	Hollow spheres as nanocomposite fillers for aerospace and automotive composite materials applications. <i>Composites Part B: Engineering</i> , 2016, 106, 74-80.	12.0	20
30	Study of bread staling by means of vibro-acoustic, tensile and thermal analysis techniques. <i>Journal of Food Engineering</i> , 2016, 178, 31-38.	5.2	14
31	Investigation of advanced mica powder nanocomposite filler materials: Surface energy analysis, powder rheology and sound absorption performance. <i>Composites Part B: Engineering</i> , 2015, 77, 304-310.	12.0	38
32	Surface energy analysis (SEA) and rheology of powder milk dairy products. <i>Food Chemistry</i> , 2015, 174, 25-30.	8.2	23
33	The nature of high surface energy sites in graphene and graphite. <i>Carbon</i> , 2014, 73, 448-453.	10.3	38
34	The viscometric behaviour of sodium hyaluronate in aqueous and KCl solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 454, 32-37.	4.7	7
35	Impinging jet study of the deposition of colloidal particles on synthetic polymer (Zeonor). <i>International Journal of Heat and Mass Transfer</i> , 2014, 78, 416-422.	4.8	2
36	The effect of low temperature air plasma treatment on physico-chemical properties of kaolinite/polyethylene composites. <i>Composites Part B: Engineering</i> , 2014, 59, 293-299.	12.0	22

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37	Sono-extraction as a pretreatment approach for the screening evaluation of element mobility of sediment samples. <i>Open Chemistry</i> , 2013, 11, 1201-1212.	1.9	4
38	Surface energy analysis (SEA) study of hyaluronan powders. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 436, 1170-1174.	4.7	8
39	Study of Penetration Kinetics of Sodium Hydroxide Aqueous Solution into Wood Samples. <i>BioResources</i> , 2013, 9, .	1.0	0
40	Effects of Beta Irradiation, Copolymers, and Blends on the Transformation Rate of Polybutene-1. <i>Journal of Macromolecular Science - Physics</i> , 2012, 51, 926-945.	1.0	6
41	Effect of Low Temperature Air Plasma Treatment on Wetting and Flow Properties of Kaolinite Powders. <i>Plasma Chemistry and Plasma Processing</i> , 2012, 32, 845-858.	2.4	11
42	Impinging jet study of the deposition of colloidal particles on modified polycarbonate and poly(ethylene terephthalate) surfaces. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 1513-1518.	4.8	6
43	EPR Study of the Thermal Decomposition of Transannular Peroxide of Anthracene. <i>International Journal of Organic Chemistry</i> , 2011, 01, 37-40.	0.7	1
44	Chemical Modification of Hyaluronic Acid: Alkylation. <i>International Journal of Polymer Analysis and Characterization</i> , 2010, 15, 486-496.	1.9	18
45	Effect of Talc Filler Content on Poly(Propylene) Composite Mechanical Properties. , 2009, , 73-80.		4
46	Effect of the talc filler content on the mechanical properties of polypropylene composites. <i>Journal of Applied Polymer Science</i> , 2008, 110, 2742-2747.	2.6	65
47	The diffusion process of sodium hyaluronate (Na-Ha) and Na-Ha-n-alkyl derivatives films swelling. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 83A, 184-190.	4.0	15
48	The acoustical properties of consolidated expanded clay granulates. <i>Applied Acoustics</i> , 2006, 67, 787-796.	3.3	65
49	Application of radio frequency glow discharge plasma for enhancing adhesion bonds in polymer/polymer joints. <i>Journal of Applied Polymer Science</i> , 2006, 102, 1827-1833.	2.6	22
50	Influence of artificially accelerated ageing on the adhesive joint of plasma treated polymer materials. <i>European Physical Journal D</i> , 2004, 54, C533-C538.	0.4	17
51	Surface properties of polyethylene after low-temperature plasma treatment. <i>Colloid and Polymer Science</i> , 2003, 281, 1025-1033.	2.1	124
52	Plasma surface modification of polyethylene. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 222, 125-131.	4.7	172
53	Chemical bath deposition of cerium doped BiVO ₄ . <i>Dyes and Pigments</i> , 2003, 59, 181-184.	3.7	41
54	Measurement of the dynamic stiffness of recycled rubber based railway track mats according to the DB-TL 918.071 standard. <i>Applied Acoustics</i> , 2001, 62, 1123-1128.	3.3	10

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55	Dielectric relaxation in hydroxyethyl cellulose. Carbohydrate Polymers, 2000, 42, 369-374.	10.2	19
56	Determination of the diffusion coefficient of water into atelocollagen type I thin films by attenuated total reflection Fourier transform infrared spectroscopy. Colloid and Polymer Science, 2000, 278, 1014-1016.	2.1	3
57	Study of the rheological properties of dispersed lignite suspensions. Colloid and Polymer Science, 2000, 278, 65-68.	2.1	3
58	Electron paramagnetic resonance study of free-radical kinetics in ultraviolet-light cured dimethacrylate copolymers. Journal of Materials Science: Materials in Medicine, 1998, 9, 257-262.	3.6	17
59	Hyaluronan: Preparation, Structure, Properties, and Applications. Chemical Reviews, 1998, 98, 2663-2684.	47.7	646
60	Electron paramagnetic resonance study of dry cements. Cement and Concrete Research, 1996, 26, 237-242.	11.0	9
61	Magnetic Field and Temperature Effects on the Solid State Proton Spin-Lattice Relaxation Time Measurements of Wood and Pulp. Holzforschung, 1995, 49, 115-118.	1.9	7
62	Oxygen photosensitization in the presence of sodium anthracene-1-sulphonate. Journal of Photochemistry and Photobiology A: Chemistry, 1993, 76, 159-165.	3.9	4
63	Electrical conductivity measurements of hyaluronic acid and collagen. Colloid and Polymer Science, 1993, 271, 143-147.	2.1	7
64	Hyaluronic acid-copper(II) complexes: Spectroscopic characterization. Colloid and Polymer Science, 1992, 270, 1049-1052.	2.1	12
65	Electron paramagnetic resonance study of photogenerated radicals in titanium dioxide powder and its aqueous suspensions. Journal of Photochemistry and Photobiology A: Chemistry, 1991, 59, 115-121.	3.9	40
66	Photodegradation of hyaluronic acid: EPR and size exclusion chromatography study. Biopolymers, 1991, 31, 1429-1435.	2.4	28
67	Photochemical degradation of hyaluronic acid by singlet oxygen. Colloid and Polymer Science, 1991, 269, 633-635.	2.1	26