

Lubomir Lapcik

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7141831/publications.pdf>

Version: 2024-02-01

67
papers

1,927
citations

394421
19
h-index

265206
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. Mechanics of Time-Dependent Materials, 2022, 26, 33-47.	4.4	0
2	Physical characterization of the milk chocolate using whey powder. LWT - Food Science and Technology, 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. Nanotechnology Reviews, 2022, 11, 312-320.	5.8	10
4	Effect of Conditioning on PU Foam Matrix Materials Properties. Materials, 2022, 15, 195.	2.9	3
5	Antibacterial nanomaterials: Upcoming hope to overcome antibiotic resistance crisis. Nanotechnology Reviews, 2022, 11, 1115-1142.	5.8	28
6	Intelligent high-tech coating of natural biopolymer layers. Advances in Colloid and Interface Science, 2022, 304, 102681.	14.7	11
7	The effect of long-term natural aging on the iPB-1 structure and the II → I phase transformation rate. Polymer Degradation and Stability, 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. LWT - Food Science and Technology, 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. Polymer Testing, 2021, 99, 107191.	4.8	9
10	Radiation-modified wool for adsorption of redox metals and potentially for nanoparticles. Nanotechnology Reviews, 2020, 9, 1017-1026.	5.8	7
11	Study of the material engineering properties of high-density poly(ethylene)/perlite nanocomposite materials. Nanotechnology Reviews, 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. Nanoscale, 2019, 11, 3222-3228.	5.6	18
13	Tuning the photocatalytic properties of sol-gel-derived single, coupled, and alloyed ZnO-TiO ₂ nanoparticles. Research on Chemical Intermediates, 2019, 45, 4193-4204.	2.7	13
14	Impact of particle size on wheat dough and bread characteristics. Food Chemistry, 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. LWT - Food Science and Technology, 2019, 107, 178-184.	5.2	16
16	Materials characterization of advanced fillers for composites engineering applications. Nanotechnology Reviews, 2019, 8, 503-512.	5.8	16
17	Physico-chemical study of steroids from different matureness corn silk material. Potravinárstvo, 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. Composites Part B: Engineering, 2018, 141, 92-99.	12.0	50

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

#	ARTICLE	IF	CITATIONS
37	Sono-extraction as a pretreatment approach for the screening evaluation of element mobility of sediment samples. Open Chemistry, 2013, 11, 1201-1212.	1.9	4
38	Surface energy analysis (SEA) study of hyaluronan powders. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 436, 1170-1174.	4.7	8
39	Study of Penetration Kinetics of Sodium Hydroxide Aqueous Solution into Wood Samples. BioResources, 2013, 9, .	1.0	0
40	Effects of Beta Irradiation, Copolymers, and Blends on the Transformation Rate of Polybutene-1. Journal of Macromolecular Science - Physics, 2012, 51, 926-945.	1.0	6
41	Effect of Low Temperature Air Plasma Treatment on Wetting and Flow Properties of Kaolinite Powders. Plasma Chemistry and Plasma Processing, 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. International Journal of Heat and Mass Transfer, 2012, 55, 1513-1518.	4.8	6
43	EPR Study of the Thermal Decomposition of Transannular Peroxide of Anthracene. International Journal of Organic Chemistry, 2011, 01, 37-40.	0.7	1
44	Chemical Modification of Hyaluronic Acid: Alkylation. International Journal of Polymer Analysis and Characterization, 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. Journal of Applied Polymer Science, 2008, 110, 2742-2747.	2.6	65
47	The diffusion process of sodium hyaluronate (Na-Ha) and Na-Ha-n-alkyl derivatives films swelling. Journal of Biomedical Materials Research - Part A, 2007, 83A, 184-190.	4.0	15
48	The acoustical properties of consolidated expanded clay granulates. Applied Acoustics, 2006, 67, 787-796.	3.3	65
49	Application of radio frequency glow discharge plasma for enhancing adhesion bonds in polymer/polymer joints. Journal of Applied Polymer Science, 2006, 102, 1827-1833.	2.6	22
50	Influence of artificially accelerated ageing on the adhesive joint of plasma treated polymer materials. European Physical Journal D, 2004, 54, C533-C538.	0.4	17
51	Surface properties of polyethylene after low-temperature plasma treatment. Colloid and Polymer Science, 2003, 281, 1025-1033.	2.1	124
52	Plasma surface modification of polyethylene. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 222, 125-131.	4.7	172
53	Chemical bath deposition of cerium doped BiVO ₄ . Dyes and Pigments, 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. Applied Acoustics, 2001, 62, 1123-1128.	3.3	10

#	ARTICLE	IF	CITATIONS
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:Â Preparation, Structure, Properties, and Applicationsâ€. 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 Pulps. 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