

Maria Mucha

List of Publications by Year in descending order

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66
papers

2,101
citations

393982

19
h-index

233125

45
g-index

67
all docs

67
docs citations

67
times ranked

2673
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermogravimetric and FTIR studies of chitosan blends. <i>Thermochimica Acta</i> , 2003, 396, 153-166.	1.2	728
2	Polymer as an important component of blends and composites with liquid crystals. <i>Progress in Polymer Science</i> , 2003, 28, 837-873.	11.8	267
3	Thermal analysis of chitosan and its blends. <i>Thermochimica Acta</i> , 2005, 427, 69-76.	1.2	171
4	Crystallization of isotactic polypropylene containing carbon black as a filler. <i>Polymer</i> , 2000, 41, 4137-4142.	1.8	110
5	Rheological characteristics of semi-dilute chitosan solutions. <i>Macromolecular Chemistry and Physics</i> , 1997, 198, 471-484.	1.1	85
6	Complex study on chitosan degradability. <i>Polimery</i> , 2002, 47, 509-516.	0.4	57
7	Characterisation and morphology of biodegradable chitosan / synthetic polymer blends. <i>Macromolecular Symposia</i> , 1999, 144, 391-412.	0.4	46
8	Kinetics of water sorption by chitosan and its blends with poly(vinyl alcohol). <i>Carbohydrate Polymers</i> , 2005, 62, 42-49.	5.1	43
9	Effect of curing progress on the electrooptical and switching properties of PDLC system. <i>Journal of Applied Polymer Science</i> , 1999, 71, 455-463.	1.3	42
10	Chitosan blends as fillers for paper. <i>Journal of Applied Polymer Science</i> , 2000, 77, 3210-3215.	1.3	38
11	Thermogravimetric and DSC testing of poly(lactic acid) nanocomposites. <i>Thermochimica Acta</i> , 2013, 573, 186-192.	1.2	31
12	The effect of morphology on thermal stability of isotactic polypropylene in air. <i>Colloid and Polymer Science</i> , 1980, 258, 743-752.	1.0	26
13	Effect of nanosilver on the photodegradation of poly(lactic acid). <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	25
14	Thermooxidation rate of diacetate terminated polyoxymethylene with various morphological structures. <i>Colloid and Polymer Science</i> , 1984, 262, 841-850.	1.0	24
15	Response time measurements of liquid crystal dispersed in polyester resin film. <i>Journal of Applied Polymer Science</i> , 1991, 43, 175-182.	1.3	24
16	Influence of thermal history on the nonisothermal crystallization of poly(L-lactide). <i>Journal of Applied Polymer Science</i> , 2007, 105, 282-290.	1.3	24
17	Modeling of water sorption isotherms of chitosan blends. <i>Carbohydrate Polymers</i> , 2010, 79, 34-39.	5.1	24
18	Miscibility of isotactic polypropylene with atactic polystyrene. <i>Colloid and Polymer Science</i> , 1986, 264, 859-865.	1.0	20

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19	Rate of thermooxidation and polymer morphology. Colloid and Polymer Science, 1986, 264, 1-8.	1.0	19
20	The influence of cellulose derivatives on water structure in gypsum. Construction and Building Materials, 2018, 160, 628-638.	3.2	17
21	Thermal degradation of the blend poly(2,6-dimethyl-1,4-phenylene oxide)-polystyrene. Macromolecules, 1984, 17, 1315-1321.	2.2	15
22	Influence of Tylose MH1000 Content on Gypsum Thermal Conductivity. Journal of Materials in Civil Engineering, 2018, 30, .	1.3	15
23	Poly(ethylene oxide) blends with crosslinking polyester resin. Colloid and Polymer Science, 1994, 272, 1090-1097.	1.0	14
24	Complex study of reorientational dynamics of the liquid crystal in PDLC films. Liquid Crystals, 1997, 23, 749-758.	0.9	14
25	Oxygen uptake by isotactic polypropylene of different morphological structure. Colloid and Polymer Science, 1986, 264, 113-116.	1.0	13
26	Analysis of Water Adsorption on Chitosan and Its Blends with Hydroxypropylcellulose. E-Polymers, 2007, 7, .	1.3	13
27	Hydroxyethyl methyl cellulose as a modifier of gypsum properties. Journal of Thermal Analysis and Calorimetry, 2018, 134, 1083-1089.	2.0	13
28	Isothermal thermogravimetric studies of molten diacetate terminated polyoxymethylene in nitrogen and air. Colloid and Polymer Science, 1984, 262, 851-855.	1.0	12
29	The release of active substances from selected carbohydrate biopolymer membranes. Carbohydrate Polymers, 2012, 87, 2432-2438.	5.1	12
30	Hydration kinetics of calcium sulphate hemihydrate modified by water-soluble polymers. International Journal of Engineering Research and Science, 2017, 3, 05-13.	0.2	12
31	Phase transition studies by thermal and thermo-optical analysis of liquid crystals inserted into a polymeric matrix. Journal of Thermal Analysis, 1988, 33, 1177-1184.	0.7	11
32	Phase transition of polycarbonate in blends with liquid crystal. Colloid and Polymer Science, 1991, 269, 7-10.	1.0	10
33	Crystallization kinetics of polycaprolactone in nanocomposites. Polimery, 2015, 61, 686-692.	0.4	10
34	Dilatometric studies of isotactic polypropylene with different morphology before and after thermal degradation in air. Colloid and Polymer Science, 1981, 259, 984-989.	1.0	9
35	Activation energy of copper-induced thermal degradation of chitosan acetate functional groups. Journal of Polymer Engineering, 2015, 35, 231-239.	0.6	9
36	Chitosan scaffolds, films and microgranules for medical application "preparation and drug release studies. Polimery, 2012, 57, 714-721.	0.4	9

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37	Polymer composites based on gypsum matrix. AIP Conference Proceedings, 2016, , .	0.3	7
38	Thermo-optical analysis as a complementary method in the study of phase transitions of thermotropic liquid crystalline polymer and its blends with polycarbonate. Colloid and Polymer Science, 1989, 267, 876-880.	1.0	6
39	Morphological aspects in photooxidation of isotactic polypropylene. Acta Polymerica, 1989, 40, 1-3.	1.4	6
40	Electrical conductivity in thin layers of chitosan and chitosan acetate. IEEE Transactions on Dielectrics and Electrical Insulation, 2001, 8, 411-412.	1.8	6
41	Thermo-oxidative stability of oriented polypropylene films. Acta Polymerica, 1985, 36, 648-652.	1.4	5
42	Study of Adsorption and Desorption Heats of Water in Chitosan and its Blends with Hydroxypropylcellulose. Molecular Crystals and Liquid Crystals, 2008, 484, 99/[465]-106/[472].	0.4	5
43	Novel Technique of Polymer Composite Preparation for Bone Implants. Advanced Materials Research, 2012, 488-489, 681-685.	0.3	5
44	Glass transition phenomenon in vinylidene chloride-acrylonitrile copolymers. Journal of Applied Polymer Science, 1971, 15, 2687-2697.	1.3	4
45	Title is missing!. Acta Polymerica, 1981, 32, 156-159.	1.4	4
46	Study of Molecular Dynamics of a Nematic Main Chain Liquid Crystalline Polyester by Dielectric Spectroscopy. Molecular Crystals and Liquid Crystals, 1994, 249, 61-74.	0.3	4
47	Microstructural formation of gypsum by setting in the presence of hydroxypropyl methylcellulose (HPMC). Journal of Thermal Analysis and Calorimetry, 2020, , 1.	2.0	4
48	THERMAL STABILITY OF CHITOSAN NANOCOMPOSITES CONTAINING TiO ₂ AND ORGANO-MODIFIED MONTMORILLONITE. Progress on Chemistry and Application of Chitin and Its Derivatives, 2015, XX, 122-129.	0.1	4
49	Morphology and optical properties of liquid crystals embedded in polyester resin matrix. Colloid and Polymer Science, 1991, 269, 1111-1117.	1.0	3
50	Orientational effects in novel side-chain liquid crystalline polyolefin blends. Macromolecular Symposia, 1996, 102, 191-198.	0.4	2
51	Analysis of mesophase formation in side-chain liquid crystalline polycarbosilanes. Journal of Thermal Analysis, 1996, 46, 795-808.	0.7	2
52	Immiscible Polymer Blends Containing Dibutylchitin as Environmentally Friendly Materials. Molecular Crystals and Liquid Crystals, 2000, 354, 427-433.	0.3	2
53	Kinetics study of phase separation in polyacrylic acid/nematic LC system by optical technique. , 2002, , .		2
54	Biopolymeric matrices based on chitosan for medical applications. E-Polymers, 2011, 11, .	1.3	2

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55	Biodegradable Polymers as Matrices for Control Drug Delivery. <i>Advanced Materials Research</i> , 0, 911, 336-341.	0.3	2
56	Chitosan scaffolds with nanosilver layer for bone implantation obtained by electrolytic method. <i>Materials Science and Technology</i> , 2014, 30, 582-586.	0.8	2
57	On the oxidation of modification products of polyvinylchloride and vinylchloride copolymers and of polyalkylenes. <i>European Polymer Journal</i> , 1969, 5, 495-497.	2.6	1
58	Title is missing!. <i>Acta Polymerica</i> , 1992, 43, 14-16.	1.4	1
59	Polymer-dispersed liquid crystal displays: switching times effect. , 1998, , .		1
60	Glass transition and thermal stability of blends composed of polycarbonate and poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	0.4	1
61	Polymer composites containing chitosan and starch as biodegradable fillers. <i>Polimery</i> , 1999, 44, 24-29.	0.4	1
62	CHITOSAN/POLY(VINYL ALCOHOL) HYDROGELS AS CONTROLLED DRUG DELIVERY SYSTEMS. <i>Progress on Chemistry and Application of Chitin and Its Derivatives</i> , 2017, XXII, 97-105.	0.1	1
63	CHITOSAN APPLIED FOR GYPSUM MODIFICATION. <i>Progress on Chemistry and Application of Chitin and Its Derivatives</i> , 2017, XXII, 166-175.	0.1	1
64	<title>Phase transition studies of liquid-crystalline polyester by dielectric relaxation spectroscopy</title>. , 1993, 1845, 291.		0
65	<title>Liquid-crystalline behavior of the cellulose derivatives suspended in the photocuring polymer binder</title>. , 1993, , .		0
66	<title>Thermo- and electro-optical phenomena in dimeric liquid crystalline compounds</title>. , 1995, , .		0