

# Majda Zigon

## List of Publications by Year in descending order

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102  
papers

2,534  
citations

201674

27  
h-index

223800

46  
g-index

102  
all docs

102  
docs citations

102  
times ranked

2965  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of phosphorous-based flame retardants on the mechanical and thermal properties of recycled PC/ABS copolymer blends. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48377.	2.6	6
2	Basic zinc carbonate as a precursor in the solvothermal synthesis of nano-zinc oxide. <i>Materials and Design</i> , 2015, 86, 347-353.	7.0	25
3	Properties of epoxy and unsaturated polyester nanocomposites with polycation modified montmorillonites. <i>Applied Clay Science</i> , 2015, 109-110, 143-150.	5.2	11
4	Macroporous ZnO Foams by High Internal Phase Emulsion Technique: Synthesis and Catalytic Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 19075-19081.	8.0	54
5	Impact of Inorganic Hydroxides on ZnO Nanoparticle Formation and Morphology. <i>Crystal Growth and Design</i> , 2014, 14, 4262-4269.	3.0	44
6	Montmorillonite-phenolic resin nanocomposites prepared by one-step in-situ intercalative polymerisation. <i>Applied Clay Science</i> , 2014, 101, 484-489.	5.2	11
7	Zinc-Containing Block Copolymer as a Precursor for the <i>in Situ</i> Formation of Nano ZnO and PMMA/ZnO Nanocomposites. <i>Macromolecules</i> , 2013, 46, 6942-6948.	4.8	19
8	Comparison of the properties of clay polymer nanocomposites prepared by montmorillonite modified by silane and by quaternary ammonium salts. <i>Applied Clay Science</i> , 2013, 85, 109-115.	5.2	111
9	An antibacterial macroporous polyurethane hybrid material with a high content of zinc ions: A template to uniform ZnO nanoparticles. <i>Materials Research Bulletin</i> , 2013, 48, 1428-1434.	5.2	5
10	Polyaniline nanostructures prepared in acidic aqueous solutions of ionic liquids acting as soft templates. <i>European Polymer Journal</i> , 2013, 49, 1381-1390.	5.4	39
11	Effect of cations on polyaniline morphology. <i>Chemical Papers</i> , 2013, 67, .	2.2	8
12	The influence of a quaternary ammonium salt and MMT on the in situ intercalative polymerization of PMMA. <i>European Polymer Journal</i> , 2012, 48, 1555-1560.	5.4	20
13	Polyol-Mediated Synthesis of Zinc Oxide Nanorods and Nanocomposites with Poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	2.7	83
14	Utility of Chromatographic and Spectroscopic Techniques for a Detailed Characterization of Poly(styrene- <i>b</i> -isoprene) Miktoarm Star Copolymers with Complex Architecture. <i>Macromolecules</i> , 2012, 45, 7574-7582.	4.8	10
15	Separation of Poly(styrene-block- <i>t</i> -butyl methacrylate) Copolymers by Various Liquid Chromatography Techniques. <i>Scientific World Journal</i> , The, 2012, 2012, 1-9.	2.1	6
16	Ionic polymers with tunable liquid-crystalline properties. <i>Polymer International</i> , 2012, 61, 451-457.	3.1	1
17	Determination of the Molar-Mass Averages of Random Poly(aspartate-co-lactide) Copolymers by Tuning the Ionic Strength of the Solvent. <i>Chromatographia</i> , 2012, 75, 205-212.	1.3	2
18	Polyaniline synthesis with iron(III) chloride-hydrogen peroxide catalyst system: Reaction course and polymer structure study. <i>Synthetic Metals</i> , 2011, 161, 1217-1225.	3.9	48

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19	Copolymers of 2-methoxyaniline with 2- and 3-aminobenzenesulfonic and 2- and 3-aminobenzoic acids: Relationships between the polymerization conditions, structure, spectroscopic characteristics and conductivity. <i>Synthetic Metals</i> , 2011, 161, 1845-1855.	3.9	13
20	The formation of zinc oxide nanoparticles from zinc acetylacetonate hydrate in tert-butanol: A comparative mechanistic study with isomeric C4 alcohols as the media. <i>Materials Research Bulletin</i> , 2011, 46, 2497-2501.	5.2	14
21	Homo and Block Copolymers of Poly( <i>l</i> -lysine) and Poly( <i>l</i> -glutamate)s of Different Architectures. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 550-562.	2.2	10
22	Poly(zinc dimethacrylate) as a precursor in the low-temperature formation of ZnO nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2011, 360, 370-376.	9.4	7
23	Aliphatic hyperbranched polyesters based on 2,2-bis(methylol)propionic acid—Determination of structure, solution and bulk properties. <i>Progress in Polymer Science</i> , 2011, 36, 53-88.	24.7	168
24	Polyol mediated nano size zinc oxide and nanocomposites with poly(methyl methacrylate). <i>EXPRESS Polymer Letters</i> , 2011, 5, 604-619.	2.1	53
25	The synthesis of zinc oxide nanoparticles from zinc acetylacetonate hydrate and 1-butanol or isobutanol. <i>Journal of Colloid and Interface Science</i> , 2010, 346, 317-323.	9.4	67
26	Poly(methyl methacrylate) composites prepared by in situ polymerization using organophilic nano-to-submicrometer zinc oxide particles. <i>European Polymer Journal</i> , 2010, 46, 1216-1224.	5.4	53
27	Enhanced room temperature excitonic luminescence in ZnO/polymethyl methacrylate nanocomposites prepared by bulk polymerization. <i>Journal of Applied Physics</i> , 2010, 108, 023517.	2.5	21
28	The double role of p-toluenesulfonic acid in the formation of ZnO particles with different morphologies. <i>CrystEngComm</i> , 2010, 12, 1862.	2.6	19
29	Ionic liquid-induced formation of polyaniline nanostructures during the chemical polymerization of aniline in an acidic aqueous medium. <i>Synthetic Metals</i> , 2010, 160, 1761-1766.	3.9	24
30	The effects of experimental parameters on the extent of intercalation of PMMA/MMT nanocomposites prepared in solution. <i>Journal of Applied Polymer Science</i> , 2009, 113, 1182-1187.	2.6	14
31	A study of rheological and molecular weight properties of recycled polysaccharides used as thickeners in textile printing. <i>Carbohydrate Polymers</i> , 2009, 76, 8-16.	10.2	36
32	Elution behavior of poly(lactide-co-succinimide) copolymers studied by SEC-MALS. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 1815-1823.	3.7	4
33	Interplay between nematic ordering and thermomechanical response in a side-chain liquid single crystal elastomer containing pendant azomesogen units. <i>Polymer</i> , 2009, 50, 4837-4844.	3.8	38
34	Modification of montmorillonite by cationic polyesters. <i>Applied Clay Science</i> , 2009, 43, 420-424.	5.2	16
35	Micropatterning of light-sensitive liquid-crystal elastomers. <i>Physical Review E</i> , 2009, 80, 050701.	2.1	23
36	Synthesis and characterization of biodegradable aliphatic copolyesters with poly(ethylene oxide) soft segments. <i>European Polymer Journal</i> , 2008, 44, 904-917.	5.4	50

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37	Montmorillonite modified with liquid crystalline diol hydrochlorides: Preparation and characterization. Journal of Non-Crystalline Solids, 2008, 354, 1986-1991.	3.1	14
38	Modification of montmorillonite by quaternary polyesters. Journal of Non-Crystalline Solids, 2008, 354, 3326-3331.	3.1	23
39	Morphology and Particle Size of Di(ethylene glycol) Mediated Metallic Copper Nanoparticles. Journal of Nanoscience and Nanotechnology, 2008, 8, 3516-3525.	0.9	16
40	Mission and Role of National and International Associations in the Advancement and Promotion of Polymer Science, Technology and Materials. Kobunshi, 2008, 57, 18-19.	0.0	0
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55	Effect of Annealing on the Rheological and Thermal Properties of Aliphatic Hyperbranched Polyester Based on 2,2-Bis(methylol)propionic Acid. <i>Macromolecules</i> , 2005, 38, 3933-3942.	4.8	33
56	Unperturbed Dimensions of Atactic Poly(phenylacetylene). <i>Collection of Czechoslovak Chemical Communications</i> , 2005, 70, 1787-1798.	1.0	8
57	The influence of side-chain and main-chain spacer lengths on the thermal and structural properties of diethanolamine based side-chain polyesters. <i>Polymer Bulletin</i> , 2004, 53, 35-42.	3.3	3
58	Motional heterogeneity and phase separation of functionalized polyester polyurethanes. <i>European Polymer Journal</i> , 2004, 40, 1857-1866.	5.4	28
59	Molar mass distribution of a commercial aliphatic hyperbranched polyester based on 2,2-bis(methylol)propionic acid. <i>Journal of Chromatography A</i> , 2004, 1034, 77-83.	3.7	40
60	Oxidation state and proton doping level in copolymers of 2-aminobenzoic acid and 2-methoxyaniline. <i>Macromolecular Symposia</i> , 2004, 212, 307-314.	0.7	10
61	Methacrylate monoliths prepared from various hydrophobic and hydrophilic monomers - Structural and chromatographic characteristics. <i>Journal of Separation Science</i> , 2003, 26, 322-330.	2.5	64
62	Spin probe study of semi-interpenetrating polymer networks based on polyurethane and polymethacrylate functional prepolymers. <i>Polymer International</i> , 2003, 52, 1346-1350.	3.1	10
63	Side-chain polyesters and polyester hydrochlorides based on terephthalic acid. <i>Polymer</i> , 2003, 44, 6187-6193.	3.8	10
64	Thermotropic liquid crystalline $\hat{\pm}$ -[bis(2-hydroxyethyl)amino] $\hat{\pm}$ -(4- $\hat{\pm}$ 2-methoxybiphenyl-4-oxy)alkane hydrochlorides. <i>Liquid Crystals</i> , 2002, 29, 1217-1222.	2.2	7
65	The Influence of Treatment Conditions on the Quantity and Composition of Oligomers Extracted from Polyester Fabric. <i>Textile Research Journal</i> , 2002, 72, 447-453.	2.2	3
66	Characterization of a Commercial Hyperbranched Aliphatic Polyester Based on 2,2-Bis(methylol)propionic Acid. <i>Macromolecules</i> , 2002, 35, 9913-9925.	4.8	127
67	Liquid-Crystalline Complexes of Polyurethane Containing an Isonicotinamide Moiety with 4-Dodecyloxybenzoic Acid. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 439-447.	2.2	18
68	Aromatic side-chain liquid-crystalline polyurethanes with azobenzene mesogenic units. <i>Polymer Bulletin</i> , 2002, 48, 151-158.	3.3	2
69	A kinetic study of the copolymerization of substituted anilines by $^1\text{H}$ NMR. <i>Polymer International</i> , 2002, 51, 1072-1078.	3.1	2
70	Semi-interpenetrating polymer networks based on polyurethane and polymethacrylate functional prepolymers: Morphology and mechanical properties in dependence of the concentration of functional groups. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002, 40, 115-123.	2.1	15
71	Motional heterogeneity of segmented polyurethane-polymethacrylate mixtures: an influence of functional groups concentration. <i>Polymer</i> , 2002, 43, 3891-3899.	3.8	18
72	Chemical copolymerization of aniline derivatives: Preparation of fully substituted PANI. <i>Synthetic Metals</i> , 2001, 119, 145-146.	3.9	25

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73	Interfacial effects in glass fibre composites as a function of unsaturated polyester resin composition. Composites Part A: Applied Science and Manufacturing, 2001, 32, 511-516.	7.6	21
74	HIGH PERFORMANCE REVERSED-PHASE LIQUID CHROMATOGRAPHY USING NOVEL CIM RP-SDVB MONOLITHIC SUPPORTS. Journal of Liquid Chromatography and Related Technologies, 2001, 24, 2429-2443.	1.0	20
75	Side-chain polyesters derived from adipoyl chloride and $\hat{1}\pm$ -(bis(2-hydroxyethyl)amino)-i%-(4'-) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.5	4
76	<sup>1</sup> H NMR study of the kinetics of substituted aniline polymerization. I. Homopolymerization of 2-methoxyaniline. Journal of Polymer Science Part A, 2001, 39, 2471-2481.	2.3	21
77	<sup>1</sup> H NMR study of the kinetics of substituted aniline polymerization. II. Copolymerization of 2-methoxyaniline and 3-aminobenzenesulfonic acid. Journal of Polymer Science Part A, 2001, 39, 2482-2493.	2.3	15
78	Supramolecular liquid-crystalline polyurethane. Macromolecular Rapid Communications, 2000, 21, 53-56.	3.9	22
79	Solution properties of carboxylated polyurethanes and related ionomers in polar solvents (DMF and) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.8	26
80	Synthesis and NMR characterization of a novel polyaniline derivative. Polymer Bulletin, 2000, 45, 61-68.	3.3	23
81	Dilute solution behaviour of hexamethylene diisocyanate-based carboxylated polyurethanes and related ionomers in tetrahydrofuran. Polymer, 1999, 40, 2727-2735.	3.8	18
82	Hard segmented side chain liquid crystal polyurethanes with azobenzene mesogenic moieties. Polymer, 1999, 40, 6529-6538.	3.8	14
83	Sulfonated polyaniline. Synthetic Metals, 1999, 101, 717-718.	3.9	26
84	STUDY OF POLYSTYRENE-BLOCK-POLY(METHYLMETHACRYLATE) MICELLES BY SEC/MALS. DETERMINATION OF MOLECULAR WEIGHTS AND SIZE DISTRIBUTION. Journal of Liquid Chromatography and Related Technologies, 1999, 22, 2109-2124.	1.0	2
85	Evaluation of size-exclusion chromatography and viscometry for the determination of molecular masses of oxidised cellulose. Journal of Chromatography A, 1998, 805, 93-99.	3.7	72
86	Degradation of High Molecular Weight Polystyrenes During the SEC Separation Process, as Demonstrated by SEC Coupled with Lalls and by Static Light Scattering. Journal of Liquid Chromatography and Related Technologies, 1997, 20, 2155-2167.	1.0	16
87	Polymerization of phenylacetylene with WOC14/tetraphenyltin catalyst in benzene/1,4-dioxane. Synthesis of high-molecular-weight poly(phenylacetylene). Macromolecular Chemistry and Physics, 1995, 196, 1705-1712.	2.2	29
88	Study of the reaction between 1,5-naphtalene diisocyanate and polycaprolactone in different solvents. Journal of Polymer Science Part A, 1995, 33, 1573-1580.	2.3	5
89	Characterization and application of crosslinkers for polyurethane aqueous systems: Isopropylidene malonate-blocked isocyanurate. Journal of Applied Polymer Science, 1994, 54, 2075-2081.	2.6	4
90	Characterization of oligomers from 1,4-butanediol and toluene diisocyanate. Journal of Applied Polymer Science, 1993, 47, 805-814.	2.6	11

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91	Study of deblocking and crosslinking reactions of a blocked isocyanurate cationomer. Polymer Bulletin, 1993, 31, 75-82.	3.3	4
92	Characterization of Polyether-Polyurethanes by Sec Coupled with Viscometry and Lalls. Journal of Liquid Chromatography and Related Technologies, 1993, 16, 3813-3825.	1.0	8
93	NMR investigation of non-brominated and brominated epoxy ester prepolymers. Journal of Molecular Structure, 1992, 267, 123-128.	3.6	1
94	Characterization of blocked isocyanates. Journal of Molecular Structure, 1992, 267, 129-134.	3.6	5
95	Synthesis and characterization of phenolic and amino resins based on $\hat{1}\pm$ , $\hat{1}^2$ -unsaturated aldehydes. Journal of Applied Polymer Science, 1992, 45, 597-606.	2.6	8
96	The curing kinetics of brominated epoxy resins. Thermochemica Acta, 1991, 178, 127-134.	2.7	9
97	Step-growth polymerization of guanamines with unsaturated aldehydes. Polymer Bulletin, 1989, 22, 155-161.	3.3	12
98	Synthesis and characterization of resins from 4-ethylphenol and cinnamaldehyde. Angewandte Makromolekulare Chemie, 1988, 160, 155-162.	0.2	3
99	The Synthesis and Characterization of Resorcinol-Crotonaldehyde Resins. Journal of Macromolecular Science Part A, Chemistry, 1988, 25, 935-942.	0.3	4
100	Synthesis and characterization of resorcinol-cinnamaldehyde resins. Angewandte Makromolekulare Chemie, 1987, 148, 127-135.	0.2	12
101	Study of the reaction between urea and formaldehyde by dsc and $^{13}\text{C}$ NMR spectroscopy. Angewandte Makromolekulare Chemie, 1982, 102, 81-85.	0.2	15
102	Mass spectral fragmentation of metal dithiocarbamate complex salts. Organic Mass Spectrometry, 1981, 16, 12-16.	1.3	8