

Stefan Oprea

List of Publications by Year in descending order

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52
papers

923
citations

471509

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477307

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54
all docs

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docs citations

54
times ranked

1023
citing authors

#	ARTICLE	IF	CITATIONS
1	On improving the physical properties of poly (urethane urea)s by the inclusion of aromatic amines connected through long aliphatic chains in the hard domain. <i>European Polymer Journal</i> , 2022, 166, 111035.	5.4	5
2	An insight on the effect of the hard segment domain on the thermo-mechanical and surface properties of new piperazine-based polyurethanes. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	2.6	2
3	New polyurethanes with specific dielectric behavior through included of 1,3,4-thiadiazole derivative in their structure. <i>European Polymer Journal</i> , 2021, 143, 110177.	5.4	8
4	Behavior to UV irradiation of the polyurethanes containing azobenzene side groups in the main chains structure. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	3
5	Effect of Thermal Aging on the Physico-Chemical and Optical Properties of Poly(ester urethane) Elastomers Designed for Passive Damping (Pads) of the Railway. <i>Polymers</i> , 2021, 13, 192.	4.5	5
6	Physical properties and dielectric behavior of the poly(urethane-urea) based on o-dianisidine and renewable cross-linkers. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50481.	2.6	2
7	Physical properties and the ability to disperse into different polar solvents of the new polyurethane-cellulose composites. <i>Journal of Elastomers and Plastics</i> , 2020, 52, 548-572.	1.5	2
8	Synthesis and characterization of novel poly(urethane-urea) elastomers based on 1,3-propanediol bis(4-aminobenzoate) as chain extender. <i>Materials Today Communications</i> , 2020, 22, 100860.	1.9	2
9	Structure-properties relationship of the polyurethanes that contain Schiff base in the main chain. <i>High Performance Polymers</i> , 2020, 32, 784-792.	1.8	3
10	Synthesis and characterization of novel polyurethane elastomers that include curcumin with various cross-linked structures. <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	9
11	Design-properties relationships of polyurethanes elastomers depending on different chain extenders structures. <i>Journal of Polymer Research</i> , 2019, 26, 1.	2.4	25
12	Properties and fungal biodegradation of the different cellulose derivatives structure included into castor oil-based polyurethane composites. <i>Journal of Composite Materials</i> , 2019, 53, 3535-3548.	2.4	4
13	Influence of the hydroquinone ether moieties and Bisphenol A glycerolate diacrylate on the UV stability behavior of new polyurethane materials. <i>Journal of Polymer Research</i> , 2018, 25, 1.	2.4	4
14	Thermomechanical and dielectric properties of novel pyridine-based polyurethane urea elastomers. <i>Journal of Elastomers and Plastics</i> , 2018, 50, 276-292.	1.5	5
15	Biodegradation of pyridine-based polyether polyurethanes by the <i>Alternaria tenuissima</i> fungus. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46096.	2.6	27
16	Fungal degradation behavior of two series of polyurethane urea composites obtained by different silver incorporation methods. <i>Journal of Elastomers and Plastics</i> , 2017, 49, 120-131.	1.5	2
17	Comparative evaluation of different methods of inclusion of silver into sulfadiazine-based polyurethane urea composites. <i>Polymer Composites</i> , 2017, 38, 2156-2165.	4.6	3
18	The effects of different positions of the pyridine functional groups on the dielectric relaxation of the heterocyclic polyurethane-urea elastomers. <i>Materials Today Communications</i> , 2017, 10, 25-33.	1.9	4

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19	Biodegradation of crosslinked polyurethane acrylates/guar gum composites under natural soil burial conditions. <i>E-Polymers</i> , 2016, 16, 277-286.	3.0	11
20	Synthesis and properties of new crosslinked polyurethane elastomers based on isosorbide. <i>European Polymer Journal</i> , 2016, 83, 161-172.	5.4	47
21	Synthesis, properties, and fungal degradation of castor-oil-based polyurethane composites with different cellulose contents. <i>Cellulose</i> , 2016, 23, 2515-2526.	4.9	29
22	Effects of Introducing Crude and Modified Soybean Oil into Polyurethane Structures on the Soil-Burial Biodegradation Process. <i>Polymer-Plastics Technology and Engineering</i> , 2015, 54, 342-349.	1.9	10
23	Structure – Properties Relationship of Sulfathiazole and Silver Sulfathiazole-Based Polyurethane Elastomers. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 671-677.	1.9	2
24	Effect of the hard segment structure on properties of resorcinol derivatives-based polyurethane elastomers. <i>High Performance Polymers</i> , 2014, 26, 859-866.	1.8	8
25	Synthesis and Characterization of Linear and Cross-Linked Cyclodextrin Polyurethane Elastomers. <i>Polymer-Plastics Technology and Engineering</i> , 2013, 52, 1550-1556.	1.9	10
26	Synthesis, structure and fungal resistance of sulfadiazine-based polyurethane ureas. <i>Polymer Degradation and Stability</i> , 2013, 98, 1481-1488.	5.8	18
27	Effects of guar gum content on structure and properties of multi-crosslinked polyurethane composite films. <i>Composites Part B: Engineering</i> , 2013, 44, 76-83.	12.0	16
28	Properties of crosslinked polyurethanes obtained by acrylic side-group polymerization and of their blends with various plant oils. <i>Journal of Applied Polymer Science</i> , 2013, 129, 3640-3649.	2.6	8
29	Dielectric behavior of polyurethane and polyurethane-urea elastomers with pyridine moieties in the main chain. <i>Journal of Polymer Research</i> , 2013, 20, 1.	2.4	12
30	Synthesis and characterization of novel linear and cross-linked polyurethane urea elastomers with 2,3-diaminopyridine in the main chain. <i>High Performance Polymers</i> , 2013, 25, 147-155.	1.8	10
31	Synthesis and characterization of the cross-linked polyurethane-gum arabic blends obtained by multiacrylates cross-linking polymerization. <i>Journal of Elastomers and Plastics</i> , 2013, 45, 564-576.	1.5	4
32	Effect of pyridazine content and crosslinker structure on the properties of polyurethane elastomers. <i>Journal of Applied Polymer Science</i> , 2013, 128, 3974-3981.	2.6	9
33	Effect of resorcinol-based chain extenders chemical structure on the enhanced properties of polyurethane elastomers. <i>High Performance Polymers</i> , 2012, 24, 389-397.	1.8	3
34	Characterisation of polymer concrete with epoxy polyurethane acryl matrix. <i>Construction and Building Materials</i> , 2012, 37, 190-196.	7.2	86
35	Novel quinoline-based polyurethane elastomers. The effect of the hard segment structure in properties enhancement. <i>Journal of Polymer Research</i> , 2012, 19, 1.	2.4	19
36	Degradation of crosslinked poly(ester-urethanes) elastomers in distilled water: Influence of hard segment. <i>Journal of Applied Polymer Science</i> , 2012, 124, 1059-1066.	2.6	19

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37	Synthesis and characterization of photoactive polyurethane elastomers with 2,3-dihydroxypyridine in the main chain. <i>Journal of Materials Science</i> , 2012, 47, 677-684.	3.7	15
38	Effect of the long chain extender on the properties of linear and castor oil cross-linked PEG-based polyurethane elastomers. <i>Journal of Materials Science</i> , 2011, 46, 2251-2258.	3.7	65
39	Molecular dynamics, thermo-mechanical and optical studies on benzidine chain extended polyurethane-urea. <i>Journal of Polymer Research</i> , 2011, 18, 1777-1785.	2.4	11
40	Effect of the hard segment structure on the dielectric relaxation of crosslinked polyurethanes. <i>Journal of Applied Polymer Science</i> , 2011, 119, 2196-2204.	2.6	10
41	Biodegradation of polyurethane acrylate with acrylated epoxidized soybean oil blend elastomers by <i>Chaetomium globosum</i> . <i>International Biodeterioration and Biodegradation</i> , 2011, 65, 533-538.	3.9	35
42	The effect of chain extenders structure on properties of new polyurethane elastomers. <i>Polymer Bulletin</i> , 2010, 65, 753-766.	3.3	45
43	Synthesis and Properties of Polyurethane Elastomers with Castor Oil as Crosslinker. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2010, 87, 313-320.	1.9	76
44	Dependence of fungal biodegradation of PEG/castor oil-based polyurethane elastomers on the hard-segment structure. <i>Polymer Degradation and Stability</i> , 2010, 95, 2396-2404.	5.8	63
45	Synthesis of Polyether Urethanes with a Pyrimidine Ring in the Main Chain. <i>Designed Monomers and Polymers</i> , 2010, 13, 523-534.	1.6	9
46	Synthesis and Properties of Polyetherurethane Urea Amide Acrylates. <i>Designed Monomers and Polymers</i> , 2009, 12, 433-444.	1.6	5
47	Effect of Composition and Hard-segment Content on Thermo-mechanical Properties of Cross-linked Polyurethane Copolymers. <i>High Performance Polymers</i> , 2009, 21, 353-370.	1.8	25
48	Synthesis of cross-linked polyurethane elastomers with fluorescein linkages. <i>Journal of Materials Science</i> , 2009, 44, 4181-4187.	3.7	7
49	Synthesis and characterization of polyurethane urea acrylates: Effects of the hard segments structure. <i>Journal of Applied Polymer Science</i> , 2007, 105, 2509-2515.	2.6	23
50	Mechanical behavior during different weathering tests of the polyurethane elastomers films. <i>European Polymer Journal</i> , 2002, 38, 1205-1210.	5.4	40
51	Poly(urethane-methacrylate)s. Synthesis and characterization. <i>Polymer</i> , 2001, 42, 7257-7266.	3.8	35
52	The effects of the inclusion of 1,2,4-triazole derivatives into the main chains of the polyurethane urea exposed to UV radiation. <i>High Performance Polymers</i> , 0, , 095400832110437.	1.8	0