

# Stefan Oprea

## List of Publications by Year in descending order

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52  
papers

923  
citations

471509

17  
h-index

477307

29  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1023  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterisation of polymer concrete with epoxy polyurethane acryl matrix. Construction and Building Materials, 2012, 37, 190-196.	7.2	86
2	Synthesis and Properties of Polyurethane Elastomers with Castor Oil as Crosslinker. JAOCS, Journal of the American Oil Chemists' Society, 2010, 87, 313-320.	1.9	76
3	Effect of the long chain extender on the properties of linear and castor oil cross-linked PEG-based polyurethane elastomers. Journal of Materials Science, 2011, 46, 2251-2258.	3.7	65
4	Dependence of fungal biodegradation of PEG/castor oil-based polyurethane elastomers on the hard-segment structure. Polymer Degradation and Stability, 2010, 95, 2396-2404.	5.8	63
5	Synthesis and properties of new crosslinked polyurethane elastomers based on isosorbide. European Polymer Journal, 2016, 83, 161-172.	5.4	47
6	The effect of chain extenders structure on properties of new polyurethane elastomers. Polymer Bulletin, 2010, 65, 753-766.	3.3	45
7	Mechanical behavior during different weathering tests of the polyurethane elastomers films. European Polymer Journal, 2002, 38, 1205-1210.	5.4	40
8	Poly(urethane-methacrylate)s. Synthesis and characterization. Polymer, 2001, 42, 7257-7266.	3.8	35
9	Biodegradation of polyurethane acrylate with acrylated epoxidized soybean oil blend elastomers by Chaetomium globosum. International Biodeterioration and Biodegradation, 2011, 65, 533-538.	3.9	35
10	Synthesis, properties, and fungal degradation of castor-oil-based polyurethane composites with different cellulose contents. Cellulose, 2016, 23, 2515-2526.	4.9	29
11	Biodegradation of pyridine-based polyether polyurethanes by the <i>Alternaria tenuissima</i> fungus. Journal of Applied Polymer Science, 2018, 135, 46096.	2.6	27
12	Effect of Composition and Hard-segment Content on Thermo-mechanical Properties of Cross-linked Polyurethane Copolymers. High Performance Polymers, 2009, 21, 353-370.	1.8	25
13	Design-properties relationships of polyurethanes elastomers depending on different chain extenders structures. Journal of Polymer Research, 2019, 26, 1.	2.4	25
14	Synthesis and characterization of polyurethane urea acrylates: Effects of the hard segments structure. Journal of Applied Polymer Science, 2007, 105, 2509-2515.	2.6	23
15	Novel quinoline-based polyurethane elastomers. The effect of the hard segment structure in properties enhancement. Journal of Polymer Research, 2012, 19, 1.	2.4	19
16	Degradation of crosslinked poly(ester-urethanes) elastomers in distilled water: Influence of hard segment. Journal of Applied Polymer Science, 2012, 124, 1059-1066.	2.6	19
17	Synthesis, structure and fungal resistance of sulfadiazine-based polyurethane ureas. Polymer Degradation and Stability, 2013, 98, 1481-1488.	5.8	18
18	Effects of guar gum content on structure and properties of multi-crosslinked polyurethane composite films. Composites Part B: Engineering, 2013, 44, 76-83.	12.0	16

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Biodegradation of crosslinked polyurethane acrylates/guar gum composites under natural soil burial conditions. <i>E-Polymers</i> , 2016, 16, 277-286.	3.0	11
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	Synthesis of cross-linked polyurethane elastomers with fluorescein linkages. <i>Journal of Materials Science</i> , 2009, 44, 4181-4187.	3.7	7
34	Synthesis and Properties of Polyetherurethane Urea Amide Acrylates. <i>Designed Monomers and Polymers</i> , 2009, 12, 433-444.	1.6	5
35	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
36	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

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37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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
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