

# Biobased Polyurethanes Prepared from Different Veget

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A Study of Isothermal Curing of PMI Using DMA. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-12.	1.0	2
2	Silicone modified epoxy resins with good toughness, damping properties and high thermal residual weight. <i>Journal of Polymer Research</i> , 2015, 22, 1.	1.2	43
3	Hydroxyl telechelic natural rubber-based polyurethane: Influence of molecular weight on non-isothermal cure kinetics. <i>Thermochimica Acta</i> , 2015, 620, 51-58.	1.2	4
4	A Thermoreversible Supramolecular Polyurethane with Excellent Healing Ability at 45 °C. <i>Macromolecules</i> , 2015, 48, 6132-6141.	2.2	87
5	Advanced Anticorrosion Coating Materials Derived from Sunflower Oil with Bifunctional Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 19781-19788.	4.0	33
6	Biorenewable polymers based on acrylated epoxidized soybean oil and methacrylated vanillin. <i>Materials Today Communications</i> , 2015, 5, 18-22.	0.9	51
7	Vegetable oil-based polyols for sustainable polyurethanes. <i>Macromolecular Research</i> , 2015, 23, 1079-1086.	1.0	55
8	Bio-Based Polyols from Seed Oils for Water-Blown Rigid Polyurethane Foam Preparation. <i>International Journal of Polymer Science</i> , 2016, 2016, 1-11.	1.2	11
9	Rheological study of copovidone and solid dispersion blend used for hot melt extrusion. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	7
10	A pre-polyaddition mediation of castor oil for polyurethane formation. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	8
11	Biomass trans-anethole-based heat-resistant copolymer microspheres: Preparation and thermostability. <i>Materials Today Communications</i> , 2016, 9, 60-66.	0.9	11
12	High performance bio-based polyurethane elastomers: Effect of different soft and hard segments. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2016, 34, 901-909.	2.0	25
13	Polyurethane-Based Smart Polymers. , 2016, , 293-312.		3
14	Efficient and quantitative chemical transformation of vegetable oils to polyols through a thiol-ene reaction for thermoplastic polyurethanes. <i>Industrial Crops and Products</i> , 2016, 87, 78-88.	2.5	68
15	Synthesis of castor-oil based polyurethanes bearing alkene/alkyne groups and subsequent thiol-ene/yne post-modification. <i>Polymer</i> , 2016, 103, 163-170.	1.8	19
16	A novel ionomeric polyurethane elastomer based on ionic liquid as crosslinker. <i>RSC Advances</i> , 2016, 6, 99404-99413.	1.7	30
17	Synthesis of novel high primary hydroxyl functionality polyol from sunflower oil using thiol-yne reaction and their application in polyurethane coating. <i>European Polymer Journal</i> , 2016, 82, 220-231.	2.6	60
18	Synthesis and properties of non-isocyanate aliphatic crystallizable thermoplastic poly(ether) Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tj ETQq1 1 0.784314 rgBT/Overlock 10	2.6	24

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19	Bio-based (co)polylactide-urethane networks with shape memory behavior at body temperature. RSC Advances, 2016, 6, 79268-79274.	1.7	22
20	Synthesis and Characterization of Polyurethanes with High Renewable Carbon Content and Tailored Properties. ACS Sustainable Chemistry and Engineering, 2016, 4, 5684-5692.	3.2	50
22	Technological aspects of vegetable oils epoxidation in the presence of ion exchange resins: a review. Polish Journal of Chemical Technology, 2016, 18, 128-133.	0.3	26
23	Bio-Based Thermosetting Resins for Future Generation: A Review. Polymer-Plastics Technology and Engineering, 2016, 55, 1863-1896.	1.9	61
24	Carbon nanofibers reinforced soy polyol-based polyurethane nanocomposites. Journal of Thermal Analysis and Calorimetry, 2016, 123, 2459-2468.	2.0	15
25	Bio-based difuranic polyol monomers and their derived linear and cross-linked polyurethanes. Polymer Chemistry, 2016, 7, 1593-1602.	1.9	56
26	Synthesis and properties of non-isocyanate thermoplastic polyurethanes containing dibutylene terephthalate units. Journal of Polymer Research, 2016, 23, 1.	1.2	3
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28	Bio-based polyurethanes with shape memory behavior at body temperature: effect of different chain extenders. RSC Advances, 2016, 6, 17888-17895.	1.7	47
29	Metathesized palm oil: Fractionation strategies for improving functional properties of lipid-based polyols and derived polyurethane foams. Industrial Crops and Products, 2016, 84, 273-283.	2.5	23
30	Preparation of vegetable oil-based polyols with controlled hydroxyl functionalities for thermoplastic polyurethane. European Polymer Journal, 2016, 78, 46-60.	2.6	95
31	Site-Selective Modification of Cellulose Nanocrystals with Isophorone Diisocyanate and Formation of Polyurethane-CNC Composites. ACS Applied Materials & Interfaces, 2016, 8, 1458-1467.	4.0	108
32	The influence of processing aids on the melt stability and mobility of poly(arylene sulfide sulfone). High Performance Polymers, 2016, 28, 784-792.	0.8	3
33	Synthesis and characterization of a novel internal emulsifier derived from sunflower oil for the preparation of waterborne polyurethane and their application in coatings. Progress in Organic Coatings, 2017, 105, 303-309.	1.9	63
34	Synthesis of aminosilane crosslinked cationomeric waterborne polyurethane nanocomposites and its physicochemical properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 522, 124-132.	2.3	35
35	Carbon Dioxide-Based Polyols as Sustainable Feedstock of Thermoplastic Polyurethane for Corrosion-Resistant Metal Coating. ACS Sustainable Chemistry and Engineering, 2017, 5, 3871-3881.	3.2	87
36	Adaptive bio-based polyurethane elastomers engineered by ionic hydrogen bonding interactions. European Polymer Journal, 2017, 91, 408-419.	2.6	40
37	Synthesis and characterizations of sustainable polyester polyols from non-edible vegetable oils: Thermal and structural evaluation. Journal of Cleaner Production, 2017, 162, 795-805.	4.6	18

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38	Elastomers from Renewable Metathesized Palm Oil Polyols. ACS Sustainable Chemistry and Engineering, 2017, 5, 5793-5799.	3.2	24
39	Vegetable oil hybrid films cross-linked at the air/water interface: formation kinetics and physical characterization. Soft Matter, 2017, 13, 4569-4579.	1.2	7
40	Design, characterization and in vitro evaluation of novel amphiphilic block sunflower oil-based polyol nanocarrier as a potential delivery system: Raloxifene-hydrochloride as a model. Materials Science and Engineering C, 2017, 78, 59-68.	3.8	14
41	Towards green polyurethane foams via renewable castor oil-derived polyol and carbon dioxide releasing blowing agents from alkylated polyethylenimines. Polymer, 2017, 116, 240-250.	1.8	24
42	Flame-Retardant Pressure-Sensitive Adhesives Derived from Epoxidized Soybean Oil and Phosphorus-Containing Dicarboxylic Acids. ACS Sustainable Chemistry and Engineering, 2017, 5, 3353-3361.	3.2	69
43	Recent advances in vegetable oil-based polymers and their composites. Progress in Polymer Science, 2017, 71, 91-143.	11.8	497
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48	Biobased Thermosets Prepared from Rigid Isosorbide and Flexible Soybean Oil Derivatives. ACS Sustainable Chemistry and Engineering, 2017, 5, 774-783.	3.2	84
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52	Molecular insights into the mechanisms of humidity-induced changes on the bulk performance of model castor oil derived polyurethane adhesives. European Polymer Journal, 2018, 101, 291-303.	2.6	34
53	Highly flame-retardant polyurethane foam based on reactive phosphorus polyol and limonene-based polyol. Journal of Applied Polymer Science, 2018, 135, 46224.	1.3	48
54	Highly flame retardant and bio-based rigid polyurethane foams derived from orange peel oil. Polymer Engineering and Science, 2018, 58, 2078-2087.	1.5	49
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56	Concurrent improvements in crosslinking degree and interfacial adhesion of hemp fibers reinforced acrylated epoxidized soybean oil composites. <i>Composites Science and Technology</i> , 2018, 160, 60-68.	3.8	28
57	Composites made from a soybean oil biopolyurethane and cellulose nanocrystals. <i>Polymer Engineering and Science</i> , 2018, 58, 125-132.	1.5	11
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63	Cardanol-Based Polyurethane Coatings via Click Chemistry: An Eco-friendly Approach. <i>Journal of Renewable Materials</i> , 2018, , .	1.1	2
65	Controlled Hydroxyl Functionality of Soybean Oil-Based Polyols for Polyurethane Coatings with Improved Anticorrosion Properties. <i>Macromolecular Research</i> , 2018, 26, 696-703.	1.0	13
66	High-Performance Soybean-Oil-Based Epoxy Acrylate Resins: "Green" Synthesis and Application in UV-Curable Coatings. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8340-8349.	3.2	123
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69	Incorporation of palm oil polyol in shape memory polyurethane: Implication for development of cardiovascular stent. <i>Polymers for Advanced Technologies</i> , 2018, 29, 2926-2935.	1.6	15
70	Full substitution of petroleum-based polyols by phosphorus-containing soy-based polyols for fabricating highly flame-retardant polyisocyanurate foams. <i>Polymer Degradation and Stability</i> , 2018, 154, 312-322.	2.7	31
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74	An escalation of anticorrosion and microelectrical properties of polyurethane nanocomposites from green <i>Brassica nigra</i> oil. <i>Polymer Bulletin</i> , 2019, 76, 469-494.	1.7	3
75	Toughening of bamboo fibers/unsaturated polyester composites with 2-acetoacetoxyethyl methacrylate. <i>Polymer Composites</i> , 2019, 40, 1595-1601.	2.3	2

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76	Effect of the Ratio of Acetylacetate Groups on the Properties of a Novel Plant-Based Dual-Cure Coating System. <i>ACS Omega</i> , 2019, 4, 11173-11180.	1.6	14
77	Facile preparation and tunable light shielding properties of the mechanical enhanced thermosetting polyurethanes. <i>Materials Research Express</i> , 2019, 6, 085705.	0.8	1
78	An ambient-cured coating film obtained via a Knoevenagel and Michael addition reactions based on modified acetoacetylated castor oil prepared by a thiol-ene coupling reaction. <i>Progress in Organic Coatings</i> , 2019, 135, 510-516.	1.9	16
79	Polyurethanes from seed oil-based polyols: A review of synthesis, mechanical and thermal properties. <i>Industrial Crops and Products</i> , 2019, 142, 111841.	2.5	89
80	Dual bond synergy enhancement to mechanical and thermal properties of castor oil-based waterborne polyurethane composites. <i>Polymer</i> , 2019, 182, 121832.	1.8	25
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82	Development of Sustainable Citric Acid-Based Polyol To Synthesize Waterborne Polyurethane for Antibacterial and Breathable Waterproof Coating of Cotton Fabric. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 21252-21261.	1.8	38
83	Bio-Based Coating Materials Derived from Acetoacetylated Soybean Oil and Aromatic Dicarboxaldehydes. <i>Polymers</i> , 2019, 11, 1809.	2.0	9
84	Coating layer preparation with mixed vegetable oil and nutrient release regulation of fertilizer. <i>European Polymer Journal</i> , 2019, 120, 109194.	2.6	13
85	Review on soft polyurethane flame retardant. <i>Construction and Building Materials</i> , 2019, 227, 116673.	3.2	62
86	Synthesis and characterization of vegetable oil based polyurethanes with tunable thermomechanical performance. <i>Industrial Crops and Products</i> , 2019, 140, 111711.	2.5	43
87	A novel olive oil fatty acid-based amphiphilic random polyurethane: Micellization and phase transfer application. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 583, 123951.	2.3	1
88	Preparation and Spectroscopic Characterization of SiO <sub>2</sub> -Coated Vegetable Oils and their Application in In Situ Curing of Hybrid Coatings. <i>European Journal of Lipid Science and Technology</i> , 2019, 121, 1800231.	1.0	0
89	Super stretchable chromatic polyurethane driven by anthraquinone chromogen as a chain extender. <i>RSC Advances</i> , 2019, 9, 2332-2342.	1.7	6
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92	Castor oil-derived water-based polyurethane coatings: Structure manipulation for property enhancement. <i>Progress in Organic Coatings</i> , 2019, 133, 198-205.	1.9	32
93	Novel Biobased Polyol Using Corn Oil for Highly Flame-Retardant Polyurethane Foams. <i>Journal of Carbon Research</i> , 2019, 5, 13.	1.4	30

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94	Synthesis and comprehensive study on industrially relevant flame retardant waterborne polyurethanes based on phosphorus chemistry. <i>Progress in Organic Coatings</i> , 2019, 131, 397-406.	1.9	43
95	A polysaccharide isolated and purified from <i>Platyclusus orientalis</i> (L.) Franco leaves, characterization, bioactivity and its regulation on macrophage polarization. <i>Carbohydrate Polymers</i> , 2019, 213, 276-285.	5.1	32
96	One-pot synthesis of polyurethane-imides with tailored performance from castor and tung oil. <i>Progress in Organic Coatings</i> , 2019, 132, 62-69.	1.9	35
97	Investigation of the effect of graphene oxide functionalization on the physical, mechanical and shape memory properties of polyurethane/reduced graphene oxide nanocomposites. <i>Diamond and Related Materials</i> , 2019, 95, 195-205.	1.8	54
98	Polyurethane foams from liquefied orange peel wastes. <i>Food and Bioproducts Processing</i> , 2019, 115, 223-229.	1.8	13
99	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.	1.2	4
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101	Composites of waterborne polyurethane and cellulose nanofibers for 3D printing and bioapplications. <i>Carbohydrate Polymers</i> , 2019, 212, 75-88.	5.1	89
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103	Synthesis and properties of Non-isocyanate polyurethane Based on Aromatic amine. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 612, 022030.	0.3	6
104	Radically curable nano-based coatings. , 2019, , 339-372.		3
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106	Synthesis and characterization of novel renewable tung oil-based UV-curable active monomers and bio-based copolymers. <i>Progress in Organic Coatings</i> , 2019, 129, 116-124.	1.9	35
107	Biobased thiol-epoxy shape memory networks from gallic acid and vegetable oils. <i>European Polymer Journal</i> , 2019, 112, 619-628.	2.6	39
108	Enhancement of molecular weight reduction of natural rubber in triphasic CO <sub>2</sub> /toluene/H <sub>2</sub> O systems with hydrogen peroxide for preparation of biobased polyurethanes. <i>Green Processing and Synthesis</i> , 2019, 8, 288-296.	1.3	5
109	Graphitic carbon nitride (gâ€C <sub>3</sub> N <sub>4</sub> ) reinforced polymer nanocomposite systemsâ€”A review. <i>Polymer Composites</i> , 2020, 41, 430-442.	2.3	65
110	Cross-linked Polyamides Prepared through Direct Bulk Michael Addition and Polycondensation from 1,6-Hexanediamine and Methyl Acrylate. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020, 38, 143-150.	2.0	8
111	Mouse Fat-Specific Protein 27 (FSP27) expressed in plant cells localizes to lipid droplets and promotes lipid droplet accumulation and fusion. <i>Biochimie</i> , 2020, 169, 41-53.	1.3	14

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112	Castor oil-based polyols with gradually increasing functionalities for biopolyurethane synthesis. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48304.	1.3	12
113	A novel bio-based coating material prepared from modified acetoacetylated castor oil and diisocyanate. <i>Progress in Organic Coatings</i> , 2020, 138, 105397.	1.9	9
114	Catalyst-free vitrimer elastomers based on a dimer acid: robust mechanical performance, adaptability and hydrothermal recyclability. <i>Green Chemistry</i> , 2020, 22, 870-881.	4.6	124
115	Thermosets resins prepared from soybean oil and lignin derivatives with high biocontent, superior thermal properties, and biodegradability. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48827.	1.3	11
116	Preparation of degradable vegetable oil-based waterborne polyurethane with tunable mechanical and thermal properties. <i>European Polymer Journal</i> , 2020, 139, 109994.	2.6	43
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123	A cysteine derivative-enabled ultrafast thiol-ene reaction for scalable synthesis of a fully bio-based internal emulsifier for high-toughness waterborne polyurethanes. <i>Green Chemistry</i> , 2020, 22, 5722-5729.	4.6	38
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125	Synthesis of Castor Oil-based Cationic Waterborne Polyurethane Emulsion and Its Application. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2020, 35, 832-840.	0.4	3
126	Development and Mechanism of High-Performance Fully Biobased Shape Memory Benzoxazine Resins with a Green Strategy. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 18696-18705.	3.2	40
127	Preparation of Nanoscale Semi-IPNs with an Interconnected Microporous Structure via Cationic Polymerization of Bio-Based Tung Oil in a Homogeneous Solution of Poly( $\epsilon$ -caprolactone). <i>ACS Omega</i> , 2020, 5, 9977-9984.	1.6	8
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131	Thermoplastic polyurethane composites reinforced with renewable and sustainable fillers – a review. Polymer-Plastics Technology and Materials, 2020, 59, 1751-1769.	0.6	29
132	Synthesis and molecular interaction of tung oil-based anionic waterborne polyurethane dispersion. Journal of Applied Polymer Science, 2020, 137, 49383.	1.3	11
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136	Role of cellulose-based composite materials in synergistic reinforcement of environmentally friendly waterborne polyurethane. Progress in Organic Coatings, 2020, 147, 105811.	1.9	14
137	Sea Buckthorn Oil Tocopherol Extraction's By-Product Utilization in Green Synthesis of Polyurethane Coating. European Journal of Lipid Science and Technology, 2020, 122, 1900387.	1.0	14
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143	Lignin-Based Polyurethane: Recent Advances and Future Perspectives. Macromolecular Rapid Communications, 2021, 42, e2000492.	2.0	88
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145	Preparation of urea-containing starch-castor oil superabsorbent polyurethane coated urea and investigation of controlled nitrogen release. Carbohydrate Polymers, 2021, 253, 117240.	5.1	29
146	Sustainable adhesives and adhesion processes for the footwear industry. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 585-596.	1.1	13
147	Preparation of a novel polyurethane network based on PPG-PGN-PPG: investigation of the effect of plasticizers on its properties. Polymer Bulletin, 0, 1.	1.7	3

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149	Jatropha Oil as a Substituent for Palm Oil in Biobased Polyurethane. <i>International Journal of Polymer Science</i> , 2021, 2021, 1-12.	1.2	12
150	Physical and thermo-mechanical properties of shape memory polyurethane containing reversible chemical cross-links. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 116, 104336.	1.5	16
151	Structural peculiarities, thermal and viscoelastic properties of ionomeric polyurethanes based on renewable raw materials. <i>International Journal of Polymer Analysis and Characterization</i> , 2021, 26, 458-469.	0.9	1
152	Flame behaviour, fire hazard and fire testing approach for lightweight composite claddings – a review. <i>Journal of Structural Fire Engineering</i> , 2021, 12, 257-292.	0.4	11
153	Synthesis and characterization of transparent 1-package PUD based on castor oil and polyethylene glycol. <i>Progress in Organic Coatings</i> , 2021, 153, 106148.	1.9	1
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