A Sultan Nasar

List of Publications by Year
in descending order

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42 papers	804 citations	430442 18 h-index	525886 27 g-index
42 all docs	42 docs citations	42 times ranked	503 citing authors

#	Article	IF	Citations
1	Preparation and properties of poly(urethane-imide)s derived from amine-blocked-polyurethane prepolymer and pyromellitic dianhydride. European Polymer Journal, 2002, 38, 487-495.	2.6	64
2	Synthesis of poly(urethane-imide) using aromatic secondary amine-blocked polyurethane prepolymer. Journal of Polymer Science Part A, 2000, 38, 4032-4037.	2.5	57
3	Synthesis and thermal dissociation of phenol- and naphthol-blocked diisocyanates. Journal of Applied Polymer Science, 1994, 53, 31-38.	1.3	42
4	Synthesis and properties of imidazole-blocked diisocyanates. Polymer International, 1999, 48, 614-620.	1.6	40
5	Amine-blocked polyisocyanates. I. Synthesis of novelN-methylaniline-blocked polyisocyanates and deblocking studies using hot-stage fourier transform infrared spectroscopy. Journal of Polymer Science Part A, 2007, 45, 1557-1570.	2.5	40
6	Synthesis and properties of aromatic secondary amine-blocked isocyanates. Journal of Polymer Science Part A, 1999, 37, 1815-1821.	2.5	37
7	Effect of isocyanate structure on deblocking and cure reaction of N-methylaniline-blocked diisocyanates and polyisocyanates. European Polymer Journal, 2009, 45, 911-922.	2.6	35
8	Synthesis and studies on forward and reverse reactions of phenol-blocked polyisocyanates: an insight into blocked isocyanates. RSC Advances, 2016, 6, 76802-76812.	1.7	32
9	Structure-property relationship of blocked diisocyanates: synthesis of polyimides using imidazole-blocked isocyanates. Polymer International, 2000, 49, 546-550.	1.6	31
10	Synthesis and Properties of Imidazole-Blocked Toluene Diisocyanates. Journal of Macromolecular Science - Pure and Applied Chemistry, 1997, 34, 1237-1247.	1.2	27
11	Synthesis and properties of hyperbranched polyurethanes, hyperbranched polyurethane copolymers with and without ether and ester groups using blocked isocyanate monomers. Journal of Polymer Science Part A, 2007, 45, 3877-3893.	2.5	26
12	Successful synthesis of blocked polyisocyanates, using easily cleavable phenols as blocking agents, and their deblocking and cure studies. RSC Advances, 2016, 6, 106990-107000.	1.7	24
13	The first example of bis(indolyl)methane based hyperbranched polyurethanes: Synthesis, solar cell application and anti-bacterial and anti-oxidant properties. European Polymer Journal, 2017, 95, 216-231.	2.6	22
14	Cureâ€reaction kinetics of amineâ€blocked polyisocyanates with alcohol using hotâ€stage Fourier transform infrared spectroscopy. Journal of Applied Polymer Science, 2008, 109, 1168-1176.	1.3	21
15	The Thermal Dissociation of Phenol-Blocked Toluene Diisocyanate Crosslinkers. Journal of Macromolecular Science - Pure and Applied Chemistry, 1995, 32, 1009-1016.	1.2	20
16	Novel Metal-Containing Polyurethane Elastomers Prepared Using Tetradentate Schiff Base Metal Complexes. Macromolecular Chemistry and Physics, 2005, 206, 2490-2500.	1.1	20
17	Novel Hyperbranched Poly(aryl ether urethane)s Using AB₂â€Type Blocked Isocyanate Monomers and Copolymerization with ABâ€Type Monomers. Macromolecular Chemistry and Physics, 2008, 209, 651-665.	1.1	20
18	Shapeâ€memory polyurethanes minimally crosslinked with hydroxylâ€terminated AB₂â€type hyperbranched polyurethanes. Journal of Applied Polymer Science, 2011, 120, 725-734.	1.3	20

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19	Synthesis of Poly(Urethaneâ€•imide): Effect of Solvents with and without Basic Nitrogen Atom and Other Parameters on the Imide Formation Reaction Between Blockedâ€•socyanate Prepolymers and Pyromellitic Dianhydride. Journal of Macromolecular Science - Pure and Applied Chemistry, 2005, 42, 309-319.	1.2	18
20	Synthesis and deblocking of cardanol- and anacardate-blocked toluene diisocyanates. Journal of Polymer Science Part A, 2004, 42, 4047-4055.	2.5	17
21	Catalysis of Blocked Isocyanate-Hydroxyl-Terminated Polybutadiene Cure Reaction. Journal of Macromolecular Science - Pure and Applied Chemistry, 1996, 33, 833-840.	1.2	15
22	Synthesis and dissociation of amine-blocked diisocyanates and polyurethane prepolymers. Polymer International, 2002, 51, 195-202.	1.6	15
23	Hydroxylâ€•and amineâ€•terminated hyperbranched polyurethanes using AB₂â€•type azide monomers: Synthesis, characterization, fluorescence, and chargeâ€•transfer complexation studies. Journal of Polymer Science Part A, 2009, 47, 3337-3351.	2.5	14
24	Radical dendrimers: Synthesis, anti-tumor activity and enhanced cytoprotective performance of TEMPO free radical functionalized polyurethane dendrimers. European Polymer Journal, 2020, 122, 109354.	2.6	14
25	Amine- and blocked isocyanate-terminated polyurethane dendrimers: integrated synthesis, photophysical properties and application in a heat curable system. RSC Advances, 2015, 5, 3799-3806.	1.7	13
26	The Kinetics of the Polymerization Reaction of Toluene Diisocyanate with Polyether Polyols. Journal of Macromolecular Science - Pure and Applied Chemistry, 1994, 31, 339-350.	1.2	12
27	Synthesis and Properties of Phenol-Blocked Toluene Diisocyanate Crosslinkers. Journal of Macromolecular Science - Pure and Applied Chemistry, 1995, 32, 1017-1024.	1.2	11
28	Hyperbranched poly(etherâ€“urea)s using AB2-type blocked isocyanate monomer and azide monomer: Synthesis, characterization, reactive end functionalization, and copolymerization with AB monomer. Journal of Polymer Science Part A, 2007, 45, 2959-2977.	2.5	11
29	Synthesis, thermal and solar cell application of novel hyperbranched polyurethanes containing azomethine and aryl-ether connectivities. High Performance Polymers, 2012, 24, 561-570.	0.8	11
30	Synthesis and characterization of poly(urethane-co-imidine)s having pendent phenyl and benzylidene groups usingbisphthalides,bislactones and blocked polyurethane prepolymers. Polymer International, 2001, 50, 693-699.	1.6	8
31	Distribution of Dendritic, Terminal and Linear Units and Relationship between Degree of Branching and Molecular Weight of AB2â€•Type Hyperbranched Polymer: A13Câ€•NMR Study. Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 1387-1397.	1.2	8
32	Fluorescent shape-memory hyperbranched polyurethanes: Synthesis, characterization and evaluation of cytotoxicity. European Polymer Journal, 2018, 108, 517-528.	2.6	8
33	Salicylic Acid Based Hyperbranched Polyester: Synthesis, Characterization, Optical Properties and Antimicrobial Activity. Macromolecular Research, 2018, 26, 831-837.	1.0	8
34	POLY(URETHANE-IMIDE)S FROM BLOCKED POLYURETHANE PREPOLYMER AND PYROMELLITIC DIANHYDRIDE: EFFECT OF ALKALI METAL ALKOXIDES AND PHENOXIDES AND SUBSTITUENTS ON THE BLOCKING AGENT IN THE POLYMERIZATION REACTION. Journal of Macromolecular Science - Pure and Applied Chemistry, 2001, 38, 807-820.	1.2	7
35	Catalysis of deblocking and cure reactions of easily cleavable phenol blocked polyisocyanates with poly(polytetrahydrofuran carbonate) diol. European Polymer Journal, 2017, 91, 221-231.	2.6	7
36	Forward and reverse reactions of N-methylaniline-blocked polyisocyanates: a clear step into double Arrhenius plots and equilibrium temperature of thermally reversible reactions. RSC Advances, 2017, 7, 34149-34159.	1.7	6

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37	Catalysis of cure reaction of É›-caprolactam-blocked polyisocyanate with diol using non-tin catalysts. Journal of Macromolecular Science - Pure and Applied Chemistry, 2018, 55, 552-558.	1.2	6
38	Electron Impact Mass Spectra of Phenol Blocked Isocyanates. Journal of Macromolecular Science - Pure and Applied Chemistry, 1997, 34, 2535-2541.	1.2	5
39	Successful synthesis of distinct dendritic unimolecular initiators suitable for topologically attractive star polymers. RSC Advances, 2015, 5, 23034-23038.	1.7	5
40	Catalysis ofNâ€Methylanilineâ€Blocked Polyisocyanateâ€Hydroxylâ€Terminated Polybutadiene Cure Reaction. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 721-726.	1.2	3
41	Morphology, optical, thermal and antimicrobial studies of ibuprofen-based hyperbranched polyester. Bulletin of Materials Science, 2020, 43, 1.	0.8	2
42	Morphological and antimicrobial studies of chitosan/poly(vinyl alcohol)/acyl chloride terminated hyperbranched polyester chemical crosslinked blends. Journal of Coatings Technology Research, 2022, 19, 1357-1364.	1.2	2