

A Sultan Nasar

List of Publications by Year in descending order

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Version: 2024-02-01

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	Morphological and antimicrobial studies of chitosan/poly(vinyl alcohol)/acyl chloride terminated hyperbranched polyester chemical crosslinked blends. <i>Journal of Coatings Technology Research</i> , 2022, 19, 1357-1364.	1.2	2
2	Radical dendrimers: Synthesis, anti-tumor activity and enhanced cytoprotective performance of TEMPO free radical functionalized polyurethane dendrimers. <i>European Polymer Journal</i> , 2020, 122, 109354.	2.6	14
3	Morphology, optical, thermal and antimicrobial studies of ibuprofen-based hyperbranched polyester. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	0.8	2
4	Fluorescent shape-memory hyperbranched polyurethanes: Synthesis, characterization and evaluation of cytotoxicity. <i>European Polymer Journal</i> , 2018, 108, 517-528.	2.6	8
5	Catalysis of cure reaction of ϵ -caprolactam-blocked polyisocyanate with diol using non-tin catalysts. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2018, 55, 552-558.	1.2	6
6	Salicylic Acid Based Hyperbranched Polyester: Synthesis, Characterization, Optical Properties and Antimicrobial Activity. <i>Macromolecular Research</i> , 2018, 26, 831-837.	1.0	8
7	Catalysis of deblocking and cure reactions of easily cleavable phenol blocked polyisocyanates with poly(polytetrahydrofuran carbonate) diol. <i>European Polymer Journal</i> , 2017, 91, 221-231.	2.6	7
8	The first example of bis(indolyl)methane based hyperbranched polyurethanes: Synthesis, solar cell application and anti-bacterial and anti-oxidant properties. <i>European Polymer Journal</i> , 2017, 95, 216-231.	2.6	22
9	Forward and reverse reactions of N-methylaniline-blocked polyisocyanates: a clear step into double Arrhenius plots and equilibrium temperature of thermally reversible reactions. <i>RSC Advances</i> , 2017, 7, 34149-34159.	1.7	6
10	Synthesis and studies on forward and reverse reactions of phenol-blocked polyisocyanates: an insight into blocked isocyanates. <i>RSC Advances</i> , 2016, 6, 76802-76812.	1.7	32
11	Successful synthesis of blocked polyisocyanates, using easily cleavable phenols as blocking agents, and their deblocking and cure studies. <i>RSC Advances</i> , 2016, 6, 106990-107000.	1.7	24
12	Successful synthesis of distinct dendritic unimolecular initiators suitable for topologically attractive star polymers. <i>RSC Advances</i> , 2015, 5, 23034-23038.	1.7	5
13	Amine- and blocked isocyanate-terminated polyurethane dendrimers: integrated synthesis, photophysical properties and application in a heat curable system. <i>RSC Advances</i> , 2015, 5, 3799-3806.	1.7	13
14	Synthesis, thermal and solar cell application of novel hyperbranched polyurethanes containing azomethine and aryl-ether connectivities. <i>High Performance Polymers</i> , 2012, 24, 561-570.	0.8	11
15	Shape-memory polyurethanes minimally crosslinked with hydroxyl-terminated AB ₂ -type hyperbranched polyurethanes. <i>Journal of Applied Polymer Science</i> , 2011, 120, 725-734.	1.3	20
16	Hydroxyl- and amine-terminated hyperbranched polyurethanes using AB ₂ -type azide monomers: Synthesis, characterization, fluorescence, and charge-transfer complexation studies. <i>Journal of Polymer Science Part A</i> , 2009, 47, 3337-3351.	2.5	14
17	Effect of isocyanate structure on deblocking and cure reaction of N-methylaniline-blocked diisocyanates and polyisocyanates. <i>European Polymer Journal</i> , 2009, 45, 911-922.	2.6	35
18	Cure-reaction kinetics of amine-blocked polyisocyanates with alcohol using hot-stage Fourier transform infrared spectroscopy. <i>Journal of Applied Polymer Science</i> , 2008, 109, 1168-1176.	1.3	21

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19	Novel Hyperbranched Poly(aryl ether urethane)s Using AB ₂ -Type Blocked Isocyanate Monomers and Copolymerization with AB-Type Monomers. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 651-665.	1.1	20
20	Catalysis of N-Methylaniline-Blocked Polyisocyanate-Hydroxyl-Terminated Polybutadiene Cure Reaction. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008, 45, 721-726.	1.2	3
21	Amine-blocked polyisocyanates. I. Synthesis of novel N-methylaniline-blocked polyisocyanates and deblocking studies using hot-stage fourier transform infrared spectroscopy. <i>Journal of Polymer Science Part A</i> , 2007, 45, 1557-1570.	2.5	40
22	Hyperbranched poly(ether-urea)s using AB ₂ -type blocked isocyanate monomer and azide monomer: Synthesis, characterization, reactive end functionalization, and copolymerization with AB monomer. <i>Journal of Polymer Science Part A</i> , 2007, 45, 2959-2977.	2.5	11
23	Synthesis and properties of hyperbranched polyurethanes, hyperbranched polyurethane copolymers with and without ether and ester groups using blocked isocyanate monomers. <i>Journal of Polymer Science Part A</i> , 2007, 45, 3877-3893.	2.5	26
24	Distribution of Dendritic, Terminal and Linear Units and Relationship between Degree of Branching and Molecular Weight of AB ₂ -Type Hyperbranched Polymer: A ¹³ C-NMR Study. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006, 43, 1387-1397.	1.2	8
25	Novel Metal-Containing Polyurethane Elastomers Prepared Using Tetradentate Schiff Base Metal Complexes. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 2490-2500.	1.1	20
26	Synthesis of Poly(Urethane-imide): Effect of Solvents with and without Basic Nitrogen Atom and Other Parameters on the Imide Formation Reaction Between Blocked Isocyanate Prepolymers and Pyromellitic Dianhydride. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2005, 42, 309-319.	1.2	18
27	Synthesis and deblocking of cardanol- and anacardate-blocked toluene diisocyanates. <i>Journal of Polymer Science Part A</i> , 2004, 42, 4047-4055.	2.5	17
28	Synthesis and dissociation of amine-blocked diisocyanates and polyurethane prepolymers. <i>Polymer International</i> , 2002, 51, 195-202.	1.6	15
29	Preparation and properties of poly(urethane-imide)s derived from amine-blocked-polyurethane prepolymer and pyromellitic dianhydride. <i>European Polymer Journal</i> , 2002, 38, 487-495.	2.6	64
30	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. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2001, 38, 807-820.	1.2	7
31	Synthesis and characterization of poly(urethane-co-imidine)s having pendent phenyl and benzylidene groups using bisphthalides, bislactones and blocked polyurethane prepolymers. <i>Polymer International</i> , 2001, 50, 693-699.	1.6	8
32	Structure-property relationship of blocked diisocyanates: synthesis of polyimides using imidazole-blocked isocyanates. <i>Polymer International</i> , 2000, 49, 546-550.	1.6	31
33	Synthesis of poly(urethane-imide) using aromatic secondary amine-blocked polyurethane prepolymer. <i>Journal of Polymer Science Part A</i> , 2000, 38, 4032-4037.	2.5	57
34	Synthesis and properties of imidazole-blocked diisocyanates. <i>Polymer International</i> , 1999, 48, 614-620.	1.6	40
35	Synthesis and properties of aromatic secondary amine-blocked isocyanates. <i>Journal of Polymer Science Part A</i> , 1999, 37, 1815-1821.	2.5	37
36	Electron Impact Mass Spectra of Phenol Blocked Isocyanates. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1997, 34, 2535-2541.	1.2	5

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37	Synthesis and Properties of Imidazole-Blocked Toluene Diisocyanates. Journal of Macromolecular Science - Pure and Applied Chemistry, 1997, 34, 1237-1247.	1.2	27
38	Catalysis of Blocked Isocyanate-Hydroxyl-Terminated Polybutadiene Cure Reaction. Journal of Macromolecular Science - Pure and Applied Chemistry, 1996, 33, 833-840.	1.2	15
39	Synthesis and Properties of Phenol-Blocked Toluene Diisocyanate Crosslinkers. Journal of Macromolecular Science - Pure and Applied Chemistry, 1995, 32, 1017-1024.	1.2	11
40	The Thermal Dissociation of Phenol-Blocked Toluene Diisocyanate Crosslinkers. Journal of Macromolecular Science - Pure and Applied Chemistry, 1995, 32, 1009-1016.	1.2	20
41	Synthesis and thermal dissociation of phenol- and naphthol-blocked diisocyanates. Journal of Applied Polymer Science, 1994, 53, 31-38.	1.3	42
42	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