Hamid Yeganeh

List of Publications by Year
in descending order

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104 papers	3,996 citations	101384 36 h-index	143772 57 g-index
106 all docs	106 docs citations	106 times ranked	4220 citing authors

#	Article	IF	Citations
1	Preparation and properties of novel biodegradable polyurethane networks based on castor oil and poly(ethylene glycol). Polymer Degradation and Stability, 2007, 92, 480-489.	2.7	180
2	Stimulation of Wound Healing by Electroactive, Antibacterial, and Antioxidant Polyurethane/Siloxane Dressing Membranes: In Vitro and in Vivo Evaluations. ACS Applied Materials & Interfaces, 2015, 7, 24296-24311.	4.0	166
3	Synthesis and properties of isocyanate curable millable polyurethane elastomers based on castor oil as a renewable resource polyol. European Polymer Journal, 2004, 40, 1233-1238.	2.6	156
4	Evaluation of pyrolysis process parameters on polypropylene degradation products. Journal of Analytical and Applied Pyrolysis, 2014, 109, 272-277.	2.6	151
5	Poly(urethane-imide-imide), a new generation of thermoplastic polyurethane elastomers with enhanced thermal stability. Polymer, 2004, 45, 359-365.	1.8	127
6	Synthesis and characterization of antibacterial polyurethane coatings from quaternary ammonium salts functionalized soybean oil based polyols. Materials Science and Engineering C, 2013, 33, 153-164.	3.8	125
7	Synthesis, characterization and antioxidant activity of a novel electroactive and biodegradable polyurethane for cardiac tissue engineering application. Materials Science and Engineering C, 2014, 44, 24-37.	3.8	125
8	Preparation of a porous conductive scaffold from aniline pentamer-modified polyurethane/PCL blend for cardiac tissue engineering. Journal of Biomedical Materials Research - Part A, 2015, 103, 3179-3187.	2.1	104
9	Synthesis and characterization of novel aromatic polyamides derived from 4-aryl-2,6-bis(4-aminophenyl) pyridines. Polymer, 2001, 42, 415-420.	1.8	97
10	Evaluation of pyrolysis product of virgin high density polyethylene degradation using different process parameters in a stirred reactor. Fuel Processing Technology, 2013, 109, 90-95.	3.7	86
11	Synthesis and properties of novel thermoplastic poly(urethane-imide)s. European Polymer Journal, 2000, 36, 2207-2211.	2.6	75
12	Synthesis and evaluation of novel absorptive and antibacterial polyurethane membranes as wound dressing. Journal of Materials Science: Materials in Medicine, 2012, 23, 2187-2202.	1.7	70
13	Survey of sulfonated polyimide membrane as a good candidate for nafion substitution in fuel cell. International Journal of Hydrogen Energy, 2010, 35, 9385-9397.	3.8	68
14	Preparation and properties of novel polyimides derived from 4-aryl-2,6 bis(4-amino phenyl)pyridine. Journal of Polymer Science Part A, 2001, 39, 3826-3831.	2.5	63
15	Synthesis and properties of novel biodegradable poly(É›-caprolactone)/ poly(ethylene glycol)-based polyurethane elastomers. Polymer International, 2007, 56, 41-49.	1.6	63
16	Polyurethane Coatings Derived from 1,2,3-Triazole-Functionalized Soybean Oil-Based Polyols: Studying their Physical, Mechanical, Thermal, and Biological Properties. Macromolecules, 2013, 46, 7777-7788.	2.2	63
17	Synthesis and properties of biodegradable elastomeric epoxy modified polyurethanes based on poly(Îµ-caprolactone) and poly(ethylene glycol). European Polymer Journal, 2005, 41, 2370-2379.	2.6	60
18	Polyurethane-Polycaprolactone Blend Patches: Scaffold Characterization and Cardiomyoblast Adhesion, Proliferation, and Function. ACS Biomaterials Science and Engineering, 2018, 4, 4299-4310.	2.6	60

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19	Synthesis, characterization and properties of novel thermally stable poly(urethane-oxazolidone) elastomers. European Polymer Journal, 2006, 42, 1743-1754.	2.6	59
20	Preparation and characterization of novel antibacterial castor oil-based polyurethane membranes for wound dressing application. Journal of Biomedical Materials Research - Part A, 2014, 102, 84-96.	2.1	59
21	Evaluation of fracture toughness and mechanical properties of ternary thiolâ€“eneâ€“methacrylate systems as resin matrix for dental restorative composites. Dental Materials, 2013, 29, 777-787.	1.6	56
22	Investigation of thermal, mechanical, and electrical properties of novel polyurethanes/high molecular weight polybenzoxazine blends. Polymers for Advanced Technologies, 2008, 19, 1024-1032.	1.6	54
23	Conceptual Foundations of Cultural Management Research. International Journal of Cross Cultural Management, 2006, 6, 361-376.	1.3	52
24	Microcapsules containing multi-functional reactive isocyanate-terminated polyurethane prepolymer as a healing agent. Part 1: synthesis and optimization of reaction conditions. Journal of Materials Science, 2016, 51, 3056-3068.	1.7	51
25	Utilizing dextran to improve hemocompatibility of antimicrobial wound dressings with embedded quaternary ammonium salts. International Journal of Biological Macromolecules, 2019, 131, 1044-1056.	3.6	50
26	Polyurethane/siloxane membranes containing graphene oxide nanoplatelets as antimicrobial wound dressings: in vitro and in vivo evaluations. Journal of Materials Science: Materials in Medicine, 2017, 28, 75.	1.7	49
27	Novel water-soluble polyurethane nanomicelles for cancer chemotherapy: physicochemical characterization and cellular activities. Journal of Nanobiotechnology, 2012, 10, 2.	4.2	46
28	Synthesis and characterization of novel polyesters derived from 4-aryl-2,6-bis(4-chlorocarbonyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	2.6	45
29	Guanidine hydrochloride embedded polyurethanes as antimicrobial and absorptive wound dressing membranes with promising cytocompatibility. Materials Science and Engineering C, 2016, 59, 1025-1037.	3.8	45
30	Castor oil-based polyurethane coatings containing benzyl triethanol ammonium chloride: synthesis, characterization, and biological properties. Journal of Materials Science, 2014, 49, 5365-5377.	1.7	44
31	Synthesis and characterization of biodegradable acrylated polyurethane based on poly(Îµ-caprolactone) and 1,6-hexamethylene diisocyanate. Materials Science and Engineering C, 2014, 42, 763-773.	3.8	44
32	Synthesis and characterization of novel biodegradable epoxy-modified polyurethane elastomers. Journal of Polymer Science Part A, 2005, 43, 2985-2996.	2.5	43
33	The effect of temperature, catalyst, different carrier gases and stirrer on the produced transportation hydrocarbons of LLDPE degradation in a stirred reactor. Journal of Analytical and Applied Pyrolysis, 2012, 95, 198-204.	2.6	43
34	Synthesis and properties of polybenzoxazine modified polyurethanes as a new type of electrical insulators with improved thermal stability. Polymer Engineering and Science, 2008, 48, 1329-1338.	1.5	39
35	Synthesis and evaluation of antibacterial polyurethane coatings made from soybean oil functionalized with dimethylphenylammonium iodide and hydroxyl groups. Journal of Biomedical Materials Research - Part A, 2013, 101A, 1599-1611.	2.1	39
36	Synthesis, Characterization and Properties of Novel Poly(urethane-imide) Networks as Electrical Insulators with Improved Thermal Stability. Macromolecular Materials and Engineering, 2006, 291, 883-894.	1.7	38

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37	A novel polyurethane modified with biomacromolecules for small-diameter vascular graft applications. Journal of Materials Science, 2018, 53, 9913-9927.	1.7	37
38	Preparation and characterization of polyurethane electrical insulating coatings derived from novel soybean oilâ€based polyol. Polymers for Advanced Technologies, 2010, 21, 118-127.	1.6	36
39	Synthesis and properties of novel aromatic polyamides based on 4-aryl-2,6-bis(4-chlorocarbonylphenyl) pyridines. European Polymer Journal, 2002, 38, 933-940.	2.6	35
40	Novel polyurethane insulating coatings based on polyhydroxyl compounds, derived from glycolysed PET and castor oil. Journal of Applied Polymer Science, 2006, 99, 1222-1233.	1.3	33
41	Synthesis and properties of polyurethane networks derived from new soybean oilâ€based polyol and a bulky blocked polyisocyanate. Polymer International, 2008, 57, 1385-1394.	1.6	33
42	Preparation of microcapsules containing multi-functional reactive isocyanate-terminated-polyurethane-prepolymer as healing agent, part II: corrosion performance and mechanical properties of a self healing coating. RSC Advances, 2016, 6, 50874-50886.	1.7	32
43	Polymer supported anionic peroxomolybdenum complexes as new, mild, efficient and versatile oxidants in organic synthesis. European Polymer Journal, 1999, 35, 1445-1450.	2.6	31
44	Effect of the melt flow index and melt flow rate on the thermal degradation kinetics of commercial polyolefins. Journal of Applied Polymer Science, 2012, 126, 1739-1745.	1.3	31
45	Preparation and properties of novel polyurethane insulating coatings based on glycerin-terminated urethane prepolymers and blocked isocyanate. Polymer International, 2005, 54, 754-763.	1.6	30
46	A novel direct method for preparation of aromatic polyimides via microwave-assisted polycondensation of aromatic dianhydrides and diisocyanates. European Polymer Journal, 2004, 40, 2059-2064.	2.6	29
47	Preparation and evaluation of hybrid organic-inorganic poly(urethane-siloxane) membranes with build-in poly(ethylene glycol) segments for efficient separation of CO2/CH4 and CO2/H2. Journal of Membrane Science, 2018, 548, 572-582.	4.1	28
48	Assessments of antibacterial and physico-mechanical properties for dental materials with chemically anchored quaternary ammonium moieties: Thiolâ€“eneâ€“methacrylate vs. conventional methacrylate system. Dental Materials, 2015, 31, 244-261.	1.6	27
49	Preparation and Properties of Novel Poly(urethane-imide)s via Blending of Reactive Polyimide and Epoxy-Terminated Urethane Prepolymers. High Performance Polymers, 2008, 20, 126-145.	0.8	26
50	The effect of melt flow index, melt flow rate, and particle size on the thermal degradation of commercial high density polyethylene powder. Journal of Thermal Analysis and Calorimetry, 2013, 114, 1333-1339.	2.0	26
51	Preparation and properties of novel processable polyimides derived from a new diisocyanate. Journal of Polymer Science Part A, 2000, 38, 1528-1532.	2.5	25
52	Vegetable oil-based polyurethanes as antimicrobial wound dressings: in vitro and in vivo evaluation. Biomedical Materials (Bristol), 2020, 15, 045001.	1.7	25
53	Electroactive polyurethane/siloxane derived from castor oil as a versatile cardiac patch, part I: Synthesis, characterization, and myoblast proliferation and differentiation. Journal of Biomedical Materials Research - Part A, 2016, 104, 775-787.	2.1	24
54	Synthesis and characterization of new soluble and thermostable polyimides via novel diisocyanates. Polymer International, 1999, 48, 1264-1268.	1.6	23

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55	Preparation and properties of biodegradable polyurethane networks from carbonated soybean oil. Polymer Bulletin, 2015, 72, 1379-1392.	1.7	23
56	Synthesis and properties of novel diisocyanate based optically active polyimides. European Polymer Journal, 2002, 38, 2179-2185.	2.6	22
57	Novel Polyurethane Electrical Insulator Coatings Based on Amide-Ester-Ether Polyols Derived from Castor Oil and Re-cycled Poly(ethylene terphthalate). High Performance Polymers, 2007, 19, 113-126.	0.8	22
58	Soft segment composition and its influence on phase-separated morphology of PCL/PEG-based poly(urethane urea)s. Iranian Polymer Journal (English Edition), 2014, 23, 505-512.	1.3	22
59	Thermoresponsive polyurethane/siloxane membrane for wound dressing and cell sheet transplantation: In-vitro and in-vivo studies. Materials Science and Engineering C, 2016, 69, 804-814.	3.8	22
60	Preparation of antimicrobial wound dressings via thiolâ€“ene photopolymerization reaction. Journal of Materials Science, 2018, 53, 1581-1595.	1.7	22
61	Resveratrol-loaded polyurethane nanofibrous scaffold: viability of endothelial and smooth muscle cells. Biomedical Materials (Bristol), 2020, 15, 015001.	1.7	22
62	Soybean oil-derived non-isocyanate polyurethanes containing azetidinium groups as antibacterial wound dressing membranes. European Polymer Journal, 2021, 142, 110142.	2.6	22
63	Synthesis and properties of novel optically active polyimides. Journal of Polymer Science Part A, 2001, 39, 514-518.	2.5	21
64	Preparation and applications of a polymer supported peroxotungstate complex as a novel polymeric oxidizing agent. Reactive and Functional Polymers, 2002, 50, 101-106.	2.0	21
65	Synthesis, characterization and assessment of poly(urethane-co-pyrrole)s derived from castor oil as anticorrosion coatings for stainless steel. Progress in Organic Coatings, 2013, 76, 1454-1464.	1.9	21
66	Thermoresponsive antimicrobial wound dressings via simultaneous thiol-ene polymerization and in situ generation of silver nanoparticles. RSC Advances, 2015, 5, 66024-66036.	1.7	21
67	Novel Water-Borne Polyurethane Nanomicelles for Cancer Chemotherapy: Higher Efficiency of Folate Receptors Than TRAIL Receptors in a Cancerous Balb/C Mouse Model. Pharmaceutical Research, 2016, 33, 1426-1439.	1.7	21
68	Catalyst free-click polymerization: A versatile method for the preparation of soybean oil based poly1,2,3-triazoles as coatings with efficient biocidal activity and excellent cytocompatibility. Polymer, 2015, 62, 94-108.	1.8	20
69	Electroactive polyurethane/siloxane derived from castor oil as a versatile cardiac patch, part II: HLâ€1 cytocompatibility and electrical characterizations. Journal of Biomedical Materials Research - Part A, 2016, 104, 1398-1407.	2.1	20
70	Anticorrosive and self-healing waterborne poly(urethane-triazole) coatings made through a combination of click polymerization and cathodic electrophoretic deposition. European Polymer Journal, 2019, 112, 636-647.	2.6	20
71	Aniline tetramer embedded polyurethane/siloxane membranes and their corresponding nanosilver composites as intelligent wound dressing materials. RSC Advances, 0, , .	1.7	19
72	An analysis of emerging trends and transformations in global healthcare. International Journal of Health Governance, 2019, 24, 169-180.	0.6	19

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73	Green and non-leaching anti-bacterial and cytocompatible coating with build-in quaternary ammonium salt derived from methoxysilane functionalized soybean oil. Materials Science and Engineering C, 2019, 99, 887-899.	3.8	19
74	Synthesis, Characterization and Preliminary Investigation of Blood Compatibility of Novel Epoxy-modified Polyurethane Networks. Journal of Bioactive and Compatible Polymers, 2008, 23, 276-300.	0.8	18
75	Diaminobisbenzothiazole chain extended polyurethanes as a novel class of thermoplastic polyurethane elastomers with improved thermal stability and electrical insulation properties. Polymers for Advanced Technologies, 2009, 20, 466-472.	1.6	18
76	Synthesis and assessment of novel anticorrosive polyurethane coatings containing an amine-functionalized nanoclay additive prepared by the cathodic electrophoretic deposition method. RSC Advances, 2016, 6, 28089-28102.	1.7	18
77	Application of arteether-loaded polyurethane nanomicelles to induce immune response in breast cancer model. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 808-816.	1.9	18
78	Bactericidal dental nanocomposites containing 1,2,3-triazolium-functionalized POSS additive prepared through thiol-ene click polymerization. Dental Materials, 2017, 33, 119-131.	1.6	18
79	Thermally curable polyurethanes containing naphthoxazine groups in the main chain. Polymer International, 2010, 59, 1375-1383.	1.6	17
80	A generic conceptualization of the cultural distance index. Journal of Strategy and Management, 2011, 4, 325-346.	1.9	17
81	Poly(urethaneâ€coâ€benzoxazine)s via reaction of phenol terminated urethane prepolymers and benzoxazine monomer and investigation of their properties. Polymers for Advanced Technologies, 2011, 22, 1502-1512.	1.6	17
82	Ionic liquid tethered PEG-based polyurethane-siloxane membranes for efficient CO2/CH4 separation. Materials Science and Engineering C, 2019, 102, 524-535.	3.8	17
83	Pyrazine-based polymeric complex of oxodiperoxochromium (VI) compound as a new stable, mild, efficient and versatile oxidant in organic synthesis. Tetrahedron, 1997, 53, 7889-7896.	1.0	16
84	Synthesis and characterization of BTDA-based dimethacrylate dental adhesive monomer and its interaction with Ca2+ ions. Journal of Applied Polymer Science, 2002, 86, 3246-3249.	1.3	16
85	Novel method for preparation of polyurethane elastomers with improved thermal stability and electrical insulating properties. Journal of Applied Polymer Science, 2007, 103, 1776-1785.	1.3	16
86	Preparation of new membranes based on sulfonated aromatic copolyimides. Polymers for Advanced Technologies, 2008, 19, 361-370.	1.6	16
87	Vegetable Oil Based Polyurethane Containing 1,2,3-Triazolium Functional Groups as Antimicrobial Wound Dressing. Journal of Polymers and the Environment, 2018, 26, 462-473.	2.4	16
88	Preparation and properties of novel processable polyimides derived fromN,N-bis(isocyanatoalkyl)-1,2,4,5-benzenetetracarboxylic-1,2:4,5-diimides. Polymer International, 2000, 49, 514-518.	1.6	13
89	Synthesis of new sulfonated copolyimides in organic and ionic liquid media for fuel cell application. Journal of Applied Polymer Science, 2012, 124, 1981-1992.	1.3	13
90	Investigation on the Preparation of New Sulfonated Polyimide Fuel Cell Membranes in Organic and Ionic Liquid Media. International Journal of Polymeric Materials and Polymeric Biomaterials, 2014, 63, 149-160.	1.8	13

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91	A Cross-National Investigation into the Effects of Religiosity on the Pervasiveness of Corruption. Journal of East-West Business, 2013, 19, 155-180.	0.3	12
92	Preparation and properties of oneâ€pack polybenzoxazineâ€modified polyurethanes with improved thermal stability and electrical insulating properties. Polymer International, 2011, 60, 126-135.	1.6	11
93	Antimicrobial wound dressings with high mechanical conformability prepared through thiol-yne click photopolymerization reaction. Biomedical Materials (Bristol), 2019, 14, 045007.	1.7	11
94	Simple and versatile method for the oneâ€pot synthesis of segmented poly(urethane urea)s via in situâ€formed ABâ€type macromonomers. Polymer International, 2011, 60, 620-629.	1.6	10
95	Polyurethane dispersion containing quaternized ammonium groups: An efficient nanosize gene delivery carrier for A549 cancer cell line transfection. Chemico-Biological Interactions, 2016, 244, 27-36.	1.7	9
96	Improved immobilization of gelatin on a modified polyurethane urea. Journal of Bioactive and Compatible Polymers, 2015, 30, 57-73.	0.8	8
97	Regioselective Reductive Cleavage of Terminal Epoxideswith Polymer-supported ChloroaluminiumTetrahydroborateâ€. Journal of Chemical Research Synopses, 1997, , 330-331.	0.3	7
98	Preparation, optimization and application of poly(ethylene glycol)methyl ether methacrylate/urethane methacrylate as a new polar phase for stir bar sorptive extraction. Analytical Methods, 2014, 6, 7722-7732.	1.3	7
99	Quaternary ammonium salt containing soybean oil: An efficient nanosize gene delivery carrier for halophile green microalgal transformation. Chemico-Biological Interactions, 2015, 225, 80-89.	1.7	6
100	Enhanced healing of a full-thickness wound by a thermoresponsive dressing utilized for simultaneous transfer and protection of adipose-derived mesenchymal stem cells sheet. Journal of Materials Science: Materials in Medicine, 2020, 31, 101.	1.7	5
101	Preparation and Characterization of Novel Sulfonated Copolyimide Membranes. E-Polymers, 2008, 8, .	1.3	3
102	In situ forming hydrogels based on polyethylene glycol itaconate for tissue engineering application. Bulletin of Materials Science, 2019, 42, 1.	0.8	2
103	Polybenzoxazine/Polyurethane Alloys. , 2011, , 389-403.		1
104	Structural engineering to control density, conformation, and bioactivity of the poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 209-223.	0.8	0