Yi-Xian Wu

List of Publications by Year
in descending order

72	1,192	394421 19	454955 30
papers	citations	h-index	g-index

73	73	73	1048
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biocompatible propylene glycol alginate-g-polytetrahydrofuran amphiphilic graft copolymers for highly effective drug carriers. Polymer, 2022, 246, 124706.	3.8	4
2	Amphiphilic Graft Copolymer of Polylysine-g-polytetrahydrofuran and Its Biological Properties. ACS Applied Polymer Materials, 2022, 4, 5840-5850.	4.4	2
3	Nanocrystallization-locked Network of Poly(styrene-b-isobutylene-b-styrene)-g-Polytetrahydrofuran Block Graft Copolymer. Chinese Journal of Polymer Science (English Edition), 2021, 39, 874-886.	3.8	3
4	Amphiphilic Silicon Hydroxyl-Functionalized cis-Polybutadiene: Synthesis, Characterization, and Properties. Macromolecules, 2021, 54, 2427-2438.	4.8	8
5	Hemocompatible, biocompatible and antifouling Acylated dextran-g-polytetrahydrofuran graft copolymer with silver nanoparticles: Synthesis, characterization and properties. Materials Science and Engineering C, 2021, 123, 111998.	7.3	5
6	In-situ synthesis of cross-linked imidazolium functionalized Poly(styrene-b-isobutylene-b-styrene) for anion exchange membranes. Polymer, 2021, 224, 123682.	3.8	11
7	Amphiphilic Graft Copolymers of Hydroxypropyl Cellulose Backbone with Nonpolar Polyisobutylene Branches. Chinese Journal of Polymer Science (English Edition), 2021, 39, 1029-1039.	3.8	6
8	Amphiphilic Graft Copolymers of Quaternized Alginate-g-Polytetrahydrofuran for Anti-protein Surfaces, Curcumin Carriers, and Antibacterial Materials. ACS Applied Polymer Materials, 2021, 3, 3465-3477.	4.4	6
9	Biocompatible, Hemocompatible and Antibacterial Acylated Dextran-g-polyisobutylene Graft Copolymers with Silver Nanoparticles. Chinese Journal of Polymer Science (English Edition), 2021, 39, 1550-1561.	3.8	6
10	Syndiospecific Polymerization of Styrene Catalyzed by Halfâ€titanocenes Containing Monodentate Anionic Nitrogen Ligands. Chinese Journal of Chemistry, 2021, 39, 2815-2822.	4.9	1
11	Antibacterial and pH-responsive Quaternized Hydroxypropyl Cellulose-g-Poly(THF-co-epichlorohydrin) Graft Copolymer: Synthesis, Characterization and Properties. Chinese Journal of Polymer Science (English Edition), 2020, 38, 704-714.	3.8	13
12	Green Synthesis and Biomedical Properties of Novel Hydroxypropyl Cellulose-g-Polytetrahydrofuran Graft Copolymers with Silver Nanoparticles. Industrial & Engineering Chemistry Research, 2020, 59, 732-742.	3.7	10
13	Amphiphilic Chitosan-g-Polyisobutylene Graft Copolymers: Synthesis, Characterization, and Properties. ACS Applied Polymer Materials, 2020, 2, 234-247.	4.4	8
14	Highly Cis-1,4 Selective Polymerization of Conjugated Dienes Catalyzed by N-heterocyclic Carbene-ligated Neodymium Complexes. Chinese Journal of Polymer Science (English Edition), 2020, 38, 1305-1312.	3.8	6
15	Robust Stretchable Thermoplastic Polyurethanes with Long Soft Segments and Steric Semisymmetric Hard Segments. Industrial & Engineering Chemistry Research, 2020, 59, 4483-4492.	3.7	31
16	Functionalized Copolymers of Isobutylene with Vinyl Phenol: Synthesis, Characterization, and Property. Chinese Journal of Polymer Science (English Edition), 2019, 37, 919-929.	3.8	6
17	Arc-bridge polydimethylsiloxane grafted graphene incorporation into quaternized poly(styrene-b-isobutylene-b-styrene) for construction of anion exchange membranes. Polymer, 2019, 177, 290-297.	3.8	3
18	In-situ synthesis of acylated sodium alginate-g-(tetrahydrofuran5-b-polyisobutylene) terpolymer/Ag-NPs nanocomposites. Carbohydrate Polymers, 2019, 219, 201-209.	10.2	11

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19	Effects of Composition and Sequence of Ethylene-Vinyl Acetate Copolymers on Their Alcoholysis and Oxygen Barrier Property of Alcoholyzed Copolymers. Industrial & Engineering Chemistry Research, 2019, 58, 4125-4136.	3.7	12
20	In-situ preparation and properties of bio-renewable acylated sodium alginate-g-polytetrahydrofuran/Ag-NPs nanocomposites. Applied Surface Science, 2019, 483, 1027-1036.	6.1	16
21	Synthesis of ultraâ€highâ€molecularâ€weight ethyleneâ€propylene copolymer via quasiâ€living copolymerization with Nâ€heterocyclic carbene ligated vanadium complexes. Journal of Polymer Science Part A, 2019, 57, 553-561.	2.3	18
22	Effects of shortâ€chain branches on strainâ€induced polymer crystallization. Polymer International, 2019, 68, 225-230.	3.1	14
23	In-situ preparation of cross-linked hybrid anion exchange membrane of quaternized poly (styrene-b-isobutylene-b-styrene) covalently bonded with graphene. International Journal of Hydrogen Energy, 2018, 43, 1790-1804.	7.1	34
24	Superhydrophobic hybrid membranes by grafting arc-like macromolecular bridges on graphene sheets: Synthesis, characterization and properties. Applied Surface Science, 2018, 440, 359-368.	6.1	26
25	Ethylene/propylene copolymerization catalyzed by half-titanocenes containing monodentate anionic nitrogen ligands: effect of ligands on catalytic behaviour and structure of copolymers. Polymer Chemistry, 2018, 9, 48-59.	3.9	14
26	Progress in advanced catalyst and their use in ethylene/propylene copolymerization. Chinese Science Bulletin, 2018, 63, 3530-3545.	0.7	3
27	Multicomponent Thermodynamics of Strain-Induced Polymer Crystallization. Journal of Physical Chemistry B, 2016, 120, 6890-6896.	2.6	21
28	Development of a cross-linked quaternized poly(styrene-b-isobutylene-b-styrene)/graphene oxide composite anion exchange membrane for direct alkaline methanol fuel cell application. RSC Advances, 2016, 6, 52122-52130.	3.6	28
29	Cross-Linked Quaternized Poly(styrene-b-(ethylene-co-butylene)-b-styrene) for Anion Exchange Membrane: Synthesis, Characterization and Properties. ACS Applied Materials & Interfaces, 2016, 8, 20329-20341.	8.0	87
30	Synthesis and Characterization of New Liquid Crystalline Thermoplastic Elastomers Containing Mesogen-Jacketed Liquid Crystalline Polymers. Macromolecules, 2016, 49, 475-482.	4.8	16
31	Progress in the synthesis of high performance butadiene-based elastomer for green tires. Chinese Science Bulletin, 2016, 61, 3326-3337.	0.7	3
32	Ethylene/propylene copolymerization catalyzed by vanadium complexes containing N-heterocyclic carbenes. Dalton Transactions, 2015, 44, 15264-15270.	3.3	32
33	Real-time monitoring of living cationic ring-opening polymerization of THF and direct prediction of equilibrium molecular weight of polyTHF. Chinese Journal of Polymer Science (English Edition), 2015, 33, 23-35.	3.8	14
34	Direct synthesis of highly reactive polyisobutylenes via cationic polymerization of isobutylene coâ€initiated with $TiCl_4$ in nonpolar hydrocarbon media. Journal of Applied Polymer Science, 2015, 132, .	2.6	12
35	Neodymiumâ€Based Catalyst for the Coordination Polymerization of Butadiene: From Fundamental Research to Industrial Application. Macromolecular Reaction Engineering, 2015, 9, 453-461.	1.5	12
36	Preparation of Polymeric Prodrug Paclitaxel-Poly(lactic acid)-b-Polyisobutylene and Its Application in Coatings of a Drug Eluting Stent. ACS Applied Materials & Interfaces, 2015, 7, 11263-11271.	8.0	27

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37	Well-Defined Poly(Î³-benzyl-<scp>l</scp>-glutamate)-g-Polytetrahydrofuran: Synthesis, Characterization, and Properties. Macromolecules, 2014, 47, 5450-5461.	4.8	30
38	Synthesis of PSâ€gâ€POSS hybrid graft copolymer by click coupling via â€graft ontoâ€•strategy. Journal of Applied Polymer Science, 2013, 129, 1833-1844.	2.6	14
39	Novel hybrid copolymer by incorporating POSS into hard segments of thermoplastic elastomer SEBS via click coupling reaction. Polymer, 2013, 54, 2658-2667.	3.8	28
40	Cationic polymerization of isobutyl vinyl ether coinitiated with heteropolyacid or its salts in aqueous medium. Journal of Polymer Science Part A, 2013, 51, 546-556.	2.3	16
41	Synthesis of high molecular weight polyisobutylene via cationic polymerization at elevated temperatures. Chinese Journal of Polymer Science (English Edition), 2013, 31, 1139-1147.	3.8	12
42	Synthesis of pH-responsive amphiphilic diblock copolymers containing polyisobutylene via oxyanion-initiated polymerization and their multiple self-assembly morphologies. Chinese Journal of Polymer Science (English Edition), 2013, 31, 218-231.	3.8	11
43	Synthesis of poly(glutamic acid-co-aspartic acid) VIA combination of N-carboxyanhydride ring opening polymerization with debenzylation. Chinese Journal of Polymer Science (English Edition), 2013, 31, 1706-1716.	3.8	10
44	Synthesis of highly reactive polyisobutylenes with exo-olefin terminals via controlled cationic polymerization with H₂O/FeCl₃/iPrOH initiating system in nonpolar hydrocarbon media. Journal of Polymer Science Part A, 2013, 51, 4200-4212.	2.3	38
45	Synthesis of long-chain branched isotactic-rich polystyrene via cationic polymerization. Polymer, 2012, 53, 3194-3202.	3.8	10
46	Synthesis of poly(styrene-co-isopropenyl acetate) -g-polyisobutylene graft copolymers via combination of radical polymerization with cationic polymerization. Polymer, 2012, 53, 3185-3193.	3.8	6
47	Living cationic polymerization of isobutylene coinitiated by FeCl₃ in the presence of isopropanol. Journal of Polymer Science Part A, 2012, 50, 3383-3392.	2.3	31
48	Anionic polymerization of MMA initiated by organolithium/cuprum diphenylphosphide (Ph₂PCu) and synthesis of its block copolymer. Journal of Applied Polymer Science, 2012, 125, 2085-2091.	2.6	1
49	Synthesis and characterizations of a latent polyhedral oligomeric silsequioxaneâ€containing catalyst and its application in polybenzoxazine resin. Journal of Applied Polymer Science, 2012, 126, 150-155.	2.6	12
50	SYNTHESIS OF POLYISOPRENE WITH HIGH <I>CIS</I>-1,4-CONTENT AND NARROW MOLECULAR WEIGHT DISTRIBUTION AND POLYMERIZATION KINETICS. Acta Polymerica Sinica, 2012, 012, 571-579.	0.0	4
51	Polyisobutylene with High exo-Olefin Content via Î²-H Elimination in the Cationic Polymerization of Isobutylene with H₂O/FeCl₃/Dialkyl Ether Initiating System. Macromolecules, 2011, 44, 1866-1875.	4.8	76
52	Synthesis of highly reactive polyisobutylenes with BF3Â·cyclohexanol initiating system. Chinese Journal of Polymer Science (English Edition), 2011, 29, 360-367.	3.8	12
53	Cationic polymerization in rotating packed bed reactor: Experimental and modeling. AICHE Journal, 2010, 56, 1053-1062.	3.6	26
54	Cationic polymerization of isobutylene coinitiated by AlCl3 in the presence of ethyl benzoate. Chinese Journal of Polymer Science (English Edition), 2010, 28, 55-62.	3.8	15

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55	In situ monitoring of coordination copolymerization of butadiene and isoprene via ATR-FTIR spectroscopy. Chinese Journal of Polymer Science (English Edition), 2010, 28, 385-393.	3.8	12
56	Effects of chain microstructure of butadiene-isoprene copolymers on their glass transition and crystallization. Chinese Journal of Polymer Science (English Edition), 2010, 28, 475-482.	3.8	7
57	Synthesis of graft copolymers with polyisobutylene branch chains. Chinese Journal of Polymer Science (English Edition), 2010, 28, 449-456.	3.8	7
58	A cost-effective process for highly reactive polyisobutylenes via cationic polymerization coinitiated by AlCl3. Polymer, 2010, 51, 5960-5969.	3.8	75
59	Self-Assembly of Rodâ^'Coilâ^'Rod Triblock Copolymer and Homopolymer Blends. Macromolecules, 2009, 42, 1047-1050.	4.8	30
60	SYNTHESIS OF POLYISOBUTYLENE WITH SEC-ARYLAMINO TERMINAL GROUP BY COMBINATION OF CATIONIC POLYMERIZATION WITH ALKYLATION. Chinese Journal of Polymer Science (English Edition), 2009, 27, 551.	3.8	6
61	Synthesis of polyisobutylene with arylamino terminal group by combination of cationic polymerization with alkylation. Journal of Polymer Science Part A, 2008, 46, 936-946.	2.3	19
62	ABA type liquid crystalline triblock copolymers by combination of living cationic polymerizaition and ATRP: synthesis and self-assembly. Soft Matter, 2008, 4, 1230.	2.7	33
63	A Novel GPPS/cis-SB Blend with High Performance. Macromolecular Symposia, 2008, 261, 130-136.	0.7	2
64	Styreneâ€“butadiene block copolymer with highcis-1,4 microstructure. Journal of Applied Polymer Science, 2007, 106, 103-109.	2.6	16
65	Electron-pair-donor reaction order in the cationic polymerization of isobutylene coinitiated by AlCl3. Journal of Polymer Science Part A, 2007, 45, 3053-3061.	2.3	24
66	THE CATIONIC POLYMERIZATION OF ISOBUTYLENE BY GRAFTING FROM PVAc AND ITS COPOLYMER. Acta Polymerica Sinica, 2006, 006, 467-473.	0.0	2
67	Cationic polymerization of isobutylene with H2O/TiCl4 initiating system in the presence of electron pair donors. European Polymer Journal, 2005, 41, 349-358.	5.4	18
68	An activated neodymium-based catalyst for styrene polymerization. Polymer International, 2005, 54, 1320-1325.	3.1	9
69	Graft copolymer of PVAc-g-PIB by cationic polymerization. Designed Monomers and Polymers, 2003, 6, 23-29.	1.6	4
70	Kinetic Investigation of the Carbocationic Polymerization of Isobutylene with the H2O/TiCl4/ED Initiating System. Macromolecules, 2002, 35, 3801-3805.	4.8	35
71	Competitive complexation in the cationic polymerization of isobutylene in a nonpolar medium. Journal of Polymer Science Part A, 2002, 40, 2209-2214.	2.3	10
72	Highly efficient terpolymerizations of ethylene/propylene/ENB with a half-titanocene catalytic system. Polymer Chemistry, 0, , .	3.9	2