Anna Zheng

List of Publications by Year
in descending order

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58	1,010	623574	454834
papers	citations	14	30
		h-index	g-index

58	58	58	1274
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antibacterial mechanism of Nâ€PMI and the characteristics of PMMAâ€coâ€Nâ€PMI copolymer. Chemistry and Biodiversity, 2022, , .	1.0	0
2	Gene reconstruction spandex with intrinsic antimicrobial activity. Chemical Engineering Journal, 2021, 404, 125152.	6.6	14
3	Preparation of antibacterial down fibers by chemical grafting using novel guanidine salt oligomer. Polymers for Advanced Technologies, 2021, 32, 4082-4093.	1.6	1
4	Preparation and properties of an antimicrobial acrylic coating modified with guanidinium oligomer. Journal of Coatings Technology Research, 2020, 17, 1505-1513.	1.2	7
5	Nonleaching antimicrobial poly(vinyl alcohol)/polyhexamethylene guanidine hydrochloride hydrogels reinforced by hydrogen bond. Polymers for Advanced Technologies, 2020, 31, 3238-3246.	1.6	4
6	Effect of silanol on the thermal stability of poly[methyl(trifluoropropyl)siloxane]. Journal of Applied Polymer Science, 2020, 137, 49347.	1.3	9
7	Preparation of graphene oxide modified glass fibers and their application in flame retardant polyamide 6. Polymers for Advanced Technologies, 2020, 31, 1709-1718.	1.6	10
8	Permanent Antimicrobial Poly(vinylidene fluoride) Prepared by Chemical Bonding with Poly(hexamethylene guanidine). ACS Omega, 2020, 5, 10481-10488.	1.6	15
9	Surface antimicrobial modification of polyamide by poly(hexamethylene guanidine) hydrochloride. Polymers for Advanced Technologies, 2020, 31, 1847-1856.	1.6	16
10	A controlled synthesis method of alkyl methacrylate block copolymers via living anionic polymerization at ambient temperature. RSC Advances, 2019, 9, 16049-16056.	1.7	5
11	Surface enrichment and nonleaching antimicrobial performance of polypropylene grafted poly(hexamethylene guanidine) (PP-g-PHMG) in poly(ethylene terephthalate)/PP-g-PHMG. European Polymer Journal, 2019, 118, 231-238.	2.6	22
12	Anionic living polymerization of alkyl methacrylate at ambient temperature and its mechanism research. Journal of Polymer Science Part A, 2019, 57, 1130-1139.	2.5	3
13	Permanent antimicrobial silicone rubber based on bonding guanidine polymers. Polymers for Advanced Technologies, 2019, 30, 1555-1563.	1.6	7
14	Initiating Mechanism of the Anionic Polymerization of Methacrylates with t â€BuOK and the Synthesis of ABA Type Triblock Copolymers. Macromolecular Chemistry and Physics, 2019, 220, 1900390.	1.1	1
15	Surface chemical bonding with poly(hexamethylene guanidine) for non-leaching antimicrobial poly(ethylene terephthalate). Journal of Materials Science, 2019, 54, 2699-2711.	1.7	23
16	Permanent antimicrobial cotton fabrics obtained by surface treatment with modified guanidine. Carbohydrate Polymers, 2018, 180, 192-199.	5.1	64
17	Hydrogen-Bond Assembly of Poly(vinyl alcohol) and Polyhexamethylene Guanidine for Nonleaching and Transparent Antimicrobial Films. ACS Applied Materials & Interfaces, 2018, 10, 37535-37543.	4.0	60
18	Synthesis of Block Copolymers of 2â€Ethylhexyl Methacrylate, nâ€Hexyl Methacrylate and Methyl Methacrylate via Anionic Polymerization at Ambient Temperature. Chinese Journal of Chemistry, 2018, 36, 934-938.	2.6	3

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19	A controlled synthesis method of polystyrene-b-polyisoprene-b-poly(methyl methacrylate) copolymer via anionic polymerization with trace amounts of THF having potential of a commercial scale. RSC Advances, 2017, 7, 9933-9940.	1.7	10
20	Branching and cross-linking of poly(ethylene terephthalate) and its foaming properties. Polymer Science - Series B, 2017, 59, 164-172.	0.3	11
21	Synthesis of poly(n-hexyl methacrylate)-b-poly(methyl methacrylate) via anionic polymerization with t-BuOK as the initiator at ambient temperature. RSC Advances, 2017, 7, 53996-54001.	1.7	7
22	Antimicrobial paper obtained by dip-coating with modified guanidine-based particle aqueous dispersion. Cellulose, 2017, 24, 3901-3910.	2.4	22
23	Preparation of nonleaching antimicrobial polypropylene wax and its application in polypropylene. Journal of Applied Polymer Science, 2017, 134, .	1.3	15
24	Antimicrobial polyethylene wax emulsion and its application on active paperâ€based packaging material. Journal of Applied Polymer Science, 2015, 132, .	1.3	13
25	Styrene/isoprene/butadiene integrated rubber prepared by anionic bulk polymerization in a twinâ€screw extruder. Polymer Engineering and Science, 2015, 55, 1163-1169.	1.5	5
26	Preparation of Fluorosilicone Random Copolymers with Properties Superior to Those of Fluorosilicone/Silicone Polymer Blends. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 1267-1276.	1.9	15
27	Morphology and mechanical properties of poly(butylene adipate-co-terephthalate)/potato starch blends in the presence of synthesized reactive compatibilizer or modified poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 4	1.0	107
28	Preparation and Properties of Nonleaching Antimicrobial Linear Low-Density Polyethylene Films. Industrial & Engineering Chemistry Research, 2015, 54, 1824-1831.	1.8	22
29	Soil burial biodegradation of antimicrobial biodegradable PBAT films. Polymer Degradation and Stability, 2015, 116, 14-22.	2.7	145
30	Anionic bulk polymerization to synthesize styreneâ€“isoprene diblock and multiblock copolymers by reactive extrusion. Journal of Applied Polymer Science, 2014, 131, .	1.3	8
31	Study of Stimuli-Sensitivities of Amphiphilic Modified Star Poly[N,N-(Dimethylamino)ethyl Methacrylate] and Its Ability of DNA Complexation. Journal of Macromolecular Science - Pure and Applied Chemistry, 2014, 51, 898-906.	1.2	5
32	Synthesis and characterization of a novel water-soluble cationic diblock copolymer with star conformation by ATRP. Materials Science and Engineering C, 2014, 43, 350-358.	3.8	10
33	A Novel Efficient Ligand in Anionic Polymerization at Elevated Temperature. Chinese Journal of Chemistry, 2014, 32, 1128-1134.	2.6	5
34	Permanent antistatic polypropylene based on polyethylene wax/polypropylene waxâ€grafting sodium acrylate. Journal of Applied Polymer Science, 2013, 127, 959-966.	1.3	6
35	Investigation on the reaction between polyhexamethylene guanidine hydrochloride oligomer and glycidyl methacrylate. Journal of Applied Polymer Science, 2013, 127, 666-674.	1.3	28
36	Novel comb-like ionenes with aliphatic side chains: synthesis and antimicrobial properties. Journal of Materials Science, 2013, 48, 1162-1171.	1.7	18

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37	Amphiphilic star block copolymers as gene carrier Part I: Synthesis via ATRP using calix[4]resorcinarene-based initiators and characterization. Materials Science and Engineering C, 2013, 33, 519-526.	3.8	14
38	A New View of the Initiation and Propagation in Anionic Polymerization. Chinese Journal of Chemistry, 2013, 31, 393-400.	2.6	4
39	Synergistic effects of tetrabutyl titanate on intumescent flameâ€retarded polypropylene. Journal of Applied Polymer Science, 2013, 130, 4255-4263.	1.3	1
40	Preparation of antistatic and antimicrobial polyethylene by incorporating of comb-like ionenes. Journal of Materials Science, 2012, 47, 7201-7209.	1.7	8
41	Condensation between guanidine hydrochloride and diamine/multi-amine and its influence on the structures and antibacterial activity of oligoguanidines. E-Polymers, 2012, 12, .	1.3	3
42	Permanent antistatic polypropylene based on polyethylene wax/polypropylene wax grafting sodium acrylate. Journal of Applied Polymer Science, 2012, 126, 83-90.	1.3	10
43	A novel approach for anionic bulk polymerization of 1,3,5â€tris(trifluoropropylmethyl)cyclotrisiloxane. Polymer Engineering and Science, 2010, 50, 2440-2447.	1.5	10
44	Further Studies on the Anionic Copolymerization of Styrene and Glycidyl Methacrylate in Toluene. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 626-632.	1.2	3
45	The characterization of rheological properties of melt grafting polypropylene for foaming. Polymer Bulletin, 2009, 63, 111-123.	1.7	8
46	Structural characterization and antibacterial activity of oligoguanidine (polyhexamethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	3.8	118
47	Studies on the Synthesis and the Reaction Mechanism of Epoxy-Terminated Polystyrene Oligomer. Polymer Bulletin, 2008, 60, 477-486.	1.7	3
48	Morphology of poly(styrene-block-dimethylsiloxane) copolymer films. Journal of Applied Polymer Science, 2007, 104, 1010-1018.	1.3	9
49	Properties of a novel thermal sensitive polymer based on poly(vinyl alcohol) and its layer-by-layer assembly. Polymers for Advanced Technologies, 2007, 18, 335-345.	1.6	10
50	Hybrid poly(ethylene terephthalate)/silica nanocomposites prepared by in-situ polymerization. Polymer Composites, 2007, 28, 42-46.	2.3	11
51	Crystallization Behaviors of amino-terminated polyurethane (ATPU)-grafted polypropylene. Polymer Bulletin, 2006, 56, 179-191.	1.7	1
52	Synthesis and properties of polystyrene/polydimethylsiloxane graft copolymers. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2006, 1, 350-356.	0.4	7
53	Surface properties of block and graft polystyreneâ€“polydimethylsiloxane copolymers. Journal of Applied Polymer Science, 2006, 99, 2936-2942.	1.3	4
54	Preparation and characterization of rare earth complex europium3+-acrylate-1,10-phenanthroline grafted onto polypropylene. Journal of Applied Polymer Science, 2006, 102, 1547-1552.	1.3	10

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55	Copolymers of styrene with a quaternary europium complex. Journal of Applied Polymer Science, 2006, 100, 1506-1510.	1.3	28
56	Improving foamability of polypropylene by grafting modification. Journal of Applied Polymer Science, 2006, 101, 4114-4123.	1.3	30
57	Permanent antimicrobial polymethyl methacrylate prepared by chemical bonding with poly(hexamethylene guanidine hydrochloride). Polymers for Advanced Technologies, 0, , .	1.6	2
58	An investigation on tribological properties and mechanical properties of UHMWPE/polycrystalline mullite fiber. Polymer Bulletin, 0, , 1.	1.7	0