

Ge Gao

List of Publications by Year in descending order

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citations

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#	ARTICLE	IF	CITATIONS
1	Rheological, thermal and mechanical properties of biodegradable poly(lactic acid)/poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock Bulletin, 2020, 77, 4235-4258.	3.3	10
2	Use of Amidoxime Polyacrylonitrile Bead-Supported Pd-Based Nanoparticles as High Efficiency Catalysts for Dehydrogenation of Formic Acid. Journal of Nanoscience and Nanotechnology, 2020, 20, 2389-2394.	0.9	4
3	Study on miscibility, thermal properties, degradation behaviors, and toughening mechanism of poly(lactic acid)/poly (ethylene-butylacrylate-glycidyl methacrylate) blends. International Journal of Biological Macromolecules, 2020, 143, 443-452.	7.5	21
4	Studies on Rheological, Thermal, and Mechanical Properties of Polylactide/Methyl Methacrylate-Butadiene-Styrene Copolymer/Poly(propylene carbonate) Polyurethane Ternary Blends. Chinese Journal of Polymer Science (English Edition), 2019, 37, 1273-1282.	3.8	9
5	Novel antibacterial fibers of amphiphilic N- ϵ -halamine polymer prepared by electrospinning. Polymers for Advanced Technologies, 2019, 30, 1386-1393.	3.2	15
6	Novel hydrophilic ϵ -halamine polymer with enhanced antibacterial activity synthesized by inverse emulsion polymerization. Journal of Applied Polymer Science, 2019, 136, 47419.	2.6	5
7	N-Halamine polymer from bipolymer to amphiphilic terpolymer with enhancement in antibacterial activity. Colloids and Surfaces B: Biointerfaces, 2018, 163, 402-411.	5.0	28
8	Phase behaviors of poly(sulfobetaine methacrylate) in various concentrations of NaCl aqueous solutions at critical transparent state. Journal of Dispersion Science and Technology, 2018, 39, 143-147.	2.4	0
9	Influence of methyl methacrylate- ϵ -butadiene- ϵ -styrene copolymer on plasticized polylactide blown films. Polymer Engineering and Science, 2018, 58, E4.	3.1	8
10	Chemical Insights into Antibacterial ϵ -Halamines. Chemical Reviews, 2017, 117, 4806-4862.	47.7	279
11	Effect of the sodium dodecyl sulfate/monomer ratio on the network structure of hydrophobic association hydrogels with adjustable mechanical properties. Journal of Applied Polymer Science, 2017, 134, 45196.	2.6	11
12	Phase behavior of a high-concentration sulfobetaine zwitterionic polymer solution. Polymer Journal, 2017, 49, 767-774.	2.7	4
13	Synthesis, Characterization, and Bactericidal Evaluation of Chitosan/Guanidine Functionalized Graphene Oxide Composites. Molecules, 2017, 22, 12.	3.8	66
14	Insight into Biological Effects of Zinc Oxide Nanoflowers on Bacteria: Why Morphology Matters. ACS Applied Materials & Interfaces, 2016, 8, 10109-10120.	8.0	109
15	Molecular size and morphology of single chains of poly(sulfobetaine methacrylate). Chemical Research in Chinese Universities, 2016, 32, 499-504.	2.6	6
16	Diethylene glycol monobutyl ether adipate as a novel plasticizer for biodegradable polylactide. Polymer Bulletin, 2016, 73, 3143-3161.	3.3	10
17	ϵ -Halamine-Containing Electrospun Fibers Kill Bacteria via a Contact/Release Co-Determined Antibacterial Pathway. ACS Applied Materials & Interfaces, 2016, 8, 31530-31540.	8.0	76
18	Effect of epoxy resin on the thermal, mechanical and rheological properties of polybutylene terephthalate/glycidyl methacrylate functionalized methyl methacrylate-butadiene blend. Chemical Research in Chinese Universities, 2016, 32, 140-148.	2.6	1

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19	The simultaneous introduction of low and high molecular weight of biodegradable Poly(diethylene) Tj ETQq1 1 0.784314 rgBT /Overlock	2.1	4
20	Assessment of 2,2,6,6-tetramethyl-4-piperidinol-based amine N-halamine-labeled silica nanoparticles as potent antibiotics for deactivating bacteria. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 126, 106-114.	5.0	41
21	Synthesis and bactericidal evaluation of imide N-halamine-loaded PMMA nanoparticles. <i>New Journal of Chemistry</i> , 2015, 39, 1783-1791.	2.8	30
22	Tailored synthesis of amine N-halamine copolymerized polystyrene with capability of killing bacteria. <i>Journal of Colloid and Interface Science</i> , 2015, 444, 1-9.	9.4	23
23	Unexpected Enhancement in Antibacterial Activity of <i>N</i> -Halamine Polymers from Spheres to Fibers. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 17516-17526.	8.0	50
24	Decorating CdTe QD-Embedded Mesoporous Silica Nanospheres with Ag NPs to Prevent Bacteria Invasion for Enhanced Anticounterfeit Applications. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 10022-10033.	8.0	42
25	Rheological, thermal and mechanical properties of biodegradable poly(propylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td <i>Science (English Edition)</i> , 2015, 33, 1702-1712.	3.8	9
26	Poly(butylene terephthalate) Toughening with Butadiene-Epoxy-Functionalized Methyl Methacrylate Core-Shell Copolymer. <i>Journal of Macromolecular Science - Physics</i> , 2015, 54, 1267-1281.	1.0	4
27	Network structure and mechanical properties of hydrophobic association hydrogels: Surfactant effect I. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	7
28	Design, synthesis and biocidal effect of novel amine N-halamine microspheres based on 2,2,6,6-tetramethyl-4-piperidinol as promising antibacterial agents. <i>RSC Advances</i> , 2014, 4, 47853-47864.	3.6	28
29	Bactericidal evaluation of N-halamine-functionalized silica nanoparticles based on barbituric acid. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 113, 450-457.	5.0	42
30	Thermosensitive poly (N-isopropylacrylamide) hydrophobic associated hydrogels: optical, swelling/deswelling, and mechanical properties. <i>Journal of Materials Science</i> , 2013, 48, 774-784.	3.7	27
31	Preparation of polystyrene/poly[2-methoxy(2-ethylhexyloxy)phenylenevinylene] fluorescent microspheres by miniemulsion polymerization. <i>Polymer International</i> , 2013, 62, 665-669.	3.1	3
32	Preparation of zinc oxide nanocrystals with high stability in the aqueous phase. <i>Journal of Applied Polymer Science</i> , 2013, 128, 2162-2166.	2.6	4
33	Rheology and biodegradation of polylactide/silica nanocomposites. <i>Polymer Composites</i> , 2012, 33, 1719-1727.	4.6	81
34	Electrochemical behavior of hemoglobin in neutral surfactants with different poly(ethylene oxide) unit lengths adsorbed on an electrode. <i>Science China Chemistry</i> , 2012, 55, 151-157.	8.2	1
35	Poly(maleic anhydride-co-acrylic acid)/poly(ethylene glycol) hydrogels with pH- and ionic-strength-responses. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2010, 28, 951-959.	3.8	20
36	Temperature-Responsive Properties of Poly(acrylic acid-co-acrylamide) Hydrophobic Association Hydrogels with High Mechanical Strength. <i>Macromolecules</i> , 2010, 43, 10645-10651.	4.8	114

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37	Effect of salt solutions on chain structure of partially hydrolyzed polyacrylamide. Central South University, 2008, 15, 80-83.	0.5	31
38	Magnetite-coated polystyrene hybrid microspheres prepared by miniemulsion polymerization. Polymer International, 2008, 57, 584-591.	3.1	15
39	Polychromatic light-emitting conjugated polymer prepared by controlling its structure through active free radical addition. Polymer International, 2008, 57, 921-926.	3.1	4
40	Influences of Intramolecular Cyclization on Structure and Cross-Linking Reaction Processes of PVA Hydrogels. Macromolecules, 2006, 39, 1160-1164.	4.8	33
41	Preparation and characterization of Ag/AgO nanoshells on carboxylated polystyrene latex particles. Journal of Materials Research, 2006, 21, 349-354.	2.6	17
42	Crystalline and thermal behavior of poly(ethylene terephthalate)/polyphenoxy blends. Journal of Applied Polymer Science, 2005, 97, 878-885.	2.6	2
43	Conductivity and Viscosity of 1-Allyl-3-methyl-imidazolium Chloride + Water and + Ethanol from 293.15 K to 333.15 K. Journal of Chemical & Engineering Data, 2005, 50, 133-135.	1.9	87
44	Rheological, thermal, and morphological properties of ABS-PA1010 blends. Journal of Applied Polymer Science, 1999, 72, 683-688.	2.6	11
45	The effect of composition and the introduction of positive charge group ($\text{N}(\text{CH}_3)_2$) on the multiphase morphology of polyurethane/polyacrylates interpenetrating polymer networks. Journal of Applied Polymer Science, 1999, 74, 1898-1904.	2.6	6
46	Damping materials based on polyurethane/polyacrylate IPNs: dynamic mechanical spectroscopy, mechanical properties and multiphase morphology. Polymer International, 1999, 48, 805-810.	3.1	40