Guangji Li

List of Publications by Citations

33 papers	734 citations	16 h-index	27 g-index
34 ext. papers	831 ext. citations	4 avg, IF	4.24 L-index

#	Paper	IF	Citations
33	An intermolecular quadruple hydrogen-bonding strategy to fabricate self-healing and highly deformable polyurethane hydrogels. *Journal of Materials Chemistry B*, **2014**, 2, 6878-6885	7.3	90
32	A study of pyridinium-type functional polymers. IV. Behavioral features of the antibacterial activity of insoluble pyridinium-type polymers. *Journal of Applied Polymer Science*, **2000**, 78, 676-684	2.9	88
31	Study of pyridinium-type functional polymers. II. Antibacterial activity of soluble pyridinium-type polymers. *Journal of Applied Polymer Science*, **1998**, 67, 1761-1768	2.9	64
30	A study of pyridinium-type functional polymers. III. Preparation and characterization of insoluble pyridinium-type polymers. *Journal of Applied Polymer Science*, **2000**, 78, 668-675	2.9	61
29	Preparation, anti-biofouling and drag-reduction properties of a biomimetic shark skin surface. *Biology Open*, **2016**, 5, 389-96	2.2	57
28	Study of modified polypropylene nonwoven cloth. II. Antibacterial activity of modified polypropylene nonwoven cloths. *Journal of Applied Polymer Science*, **2000**, 77, 1869-1876	2.9	54
27	Ultrafine silver nanoparticles supported on a covalent carbazole framework as high-efficiency nanocatalysts for nitrophenol reduction. *Journal of Materials Chemistry A*, **2019**, 7, 13449-13454	13	38
26	A strategy for constructing anti-adhesion surfaces based on interfacial thiol-ene photoclick chemistry between DOPA derivatives with a catechol anchor group and zwitterionic betaine macromolecules. *Polymer Chemistry*, **2016**, 7, 4964-4974	4.9	27
25	Lipase-catalyzed synthesis and characterization of biodegradable polyester containing l-malic acid unit in solvent system. *Journal of Applied Polymer Science*, **2011**, 120, 1114-1120	2.9	27
24	Study on the Kinetics for Enzymatic Degradation of a Natural Polysaccharide, Konjac Glucomannan. *Macromolecular Symposia*, **2004**, 216, 165-178	0.8	25
23	Improved Performance by SiO Hollow Nanospheres for Silver Nanowire-Based Flexible Transparent Conductive Films. *ACS Applied Materials & Interfaces*, **2016**, 8, 27055-27063	9.5	23
22	Progress and Perspective of Studies on Biomimetic Shark Skin Drag Reduction. *ChemBioEng Reviews*, **2016**, 3, 26-40	5.2	21
21	Thermoresponsive Polyurethane Sponges with Temperature-Controlled Superwettability for Oil/Water Separation. *ACS Applied Polymer Materials*, **2020**, 2, 1764-1772	4.3	19
20	Preparation and characterization of protein-resistant hydrogels for soft contact lens applications via radical copolymerization involving a zwitterionic sulfobetaine comonomer. *Journal of Biomaterials Science, Polymer Edition*, **2017**, 28, 1935-1949	3.5	18
19	Double-crosslinked network design for self-healing, highly stretchable and resilient polymer hydrogels. *RSC Advances*, **2016**, 6, 12479-12485	3.7	17
18	Fabrication of biomimetic superhydrophobic surfaces by a simple flame treatment method. *Polymers for Advanced Technologies*, **2016**, 27, 1438-1445	3.2	17
17	Preparation and Properties of Polydimethylsiloxane (PDMS)/Polyethylene Glycol (PEG)-Based Amphiphilic Polyurethane Elastomers.. *ACS Applied Bio Materials*, **2019**, 2, 4377-4384	4.1	13

List of Publications

16	An enzyme-catalysed access to amphiphilic triblock copolymer of PCL-b-PEG-b-PCL: synthesis, characterization and self-assembly properties. *Designed Monomers and Polymers*, **2015**, 18, 799-806	3.1	11
15	A study of pyridinium-type functional polymers. I. Preparation and characterization of soluble pyridinium-type functional polymers. *Journal of Applied Polymer Science*, **1996**, 62, 2247-2255	2.9	9
14	Encapsulation of Tandem Organic Luminescence Solar Concentrator With Optically Transparent Triple Layers of SiO2/Epoxy/SiO2. *IEEE Journal of Selected Topics in Quantum Electronics*, **2016**, 22, 82-87	3.8	8
13	Click chemistry: a route to designing and preparing pseudo-biospecific immunoadsorbent for IgG adsorption. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2012**, 899, 96-102	3.2	8
12	Self-healing zwitterionic sulfobetaine nanocomposite hydrogels with good mechanical properties.. *RSC Advances*, **2019**, 9, 31806-31811	3.7	7
11	Synthesis and characterization of a novel pH-sensitive complex for drug release. *Journal Wuhan University of Technology, Materials Science Edition*, **2010**, 25, 24-27	1	6
10	Effects of the morphology of sulfobetaine zwitterionic layers grafted onto a silicone surface on improving the hydrophilic stability, anti-bacterial adhesion properties, and biocompatibility. *Journal of Applied Polymer Science*, **2018**, 135, 46860	2.9	6
9	Study of modified polypropylene nonwoven cloth. I. graft copolymerization of 4-vinylpyridine onto polypropylene nonwoven cloth by preirradiation method. *Journal of Applied Polymer Science*, **2000**, 77, 1861-1868	2.9	5
8	Porous Organic Polymers with Thiourea Linkages (POP-TUs): Effective and Recyclable Organocatalysts for the Michael Reaction. *ACS Applied Materials & Interfaces*, **2020**, 12, 17861-17869	9.5	4
7	A novel high-capacity immunoadsorbent with PAMAM dendritic spacer arms by click chemistry. *New Journal of Chemistry*, **2018**, 42, 15726-15732	3.6	3
6	Highly tough and rapid self-healing dual-physical crosslinking poly(DMAA--AM) hydrogel.. *RSC Advances*, **2021**, 11, 32988-32995	3.7	3
5	Lipase-catalyzed synthesis of hyperbranched polyester improved by autocatalytic prepolymerization process. *Journal of Applied Polymer Science*, **2019**, 136, 47221	2.9	3
4	Temperature-dependent photoluminescence properties of synthesized schistoselike organic nanostructures. *Journal of Applied Physics*, **2008**, 103, 013104	2.5	2
3	Interaction of 4-aminosalicylic acid and surfactants in aqueous solutions using UV-Vis spectra and steady-state fluorescence spectroscopy. *Journal Wuhan University of Technology, Materials Science Edition*, **2011**, 26, 879-882	1	
2	Biooxazolidines-Enabled Improvement of Monocomponent Polyurethane Coatings. *Macromolecular Materials and Engineering*,2100667	3.9	
1	Structure and Oxidation Effects on Conformation and Thermoresponsiveness of the OEGylated Poly(glutamic acid)-Bearing Side-Chain Thioether Linkers. *Langmuir*, **2021**, 37, 1288-1296	4	