

Shanjun Gao

List of Publications by Year in descending order

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papers

1,071
citations

516215

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docs citations

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times ranked

1040
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissolution and regeneration of cellulose in NaOH/thiourea aqueous solution. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002, 40, 1521-1529.	2.4	274
2	Effect of Degree of Acetylation on Gelation of Konjac Glucomannan. <i>Biomacromolecules</i> , 2004, 5, 175-185.	2.6	111
3	Blend films from chitosan and konjac glucomannan solutions. <i>Journal of Applied Polymer Science</i> , 2000, 76, 509-515.	1.3	96
4	Molecular Weight Effects on Properties of Polyurethane/Nitrokonjac Glucomannan Semiinterpenetrating Polymer Networks. <i>Macromolecules</i> , 2001, 34, 2202-2207.	2.2	66
5	Thermoreversible konjac glucomannan gel crosslinked by borax. <i>Carbohydrate Polymers</i> , 2008, 72, 315-325.	5.1	66
6	Effect of deacetylation rate on gelation kinetics of konjac glucomannan. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004, 38, 241-249.	2.5	59
7	Characterization of konjac glucomannan-gelatin blend films. <i>Journal of Applied Polymer Science</i> , 2001, 79, 1596-1602.	1.3	47
8	Blend films from konjac glucomannan and sodium alginate solutions and their preservative effect. <i>Journal of Applied Polymer Science</i> , 2000, 77, 617-626.	1.3	42
9	Preparation of cationic konjac glucomannan in NaOH/urea aqueous solution. <i>Carbohydrate Polymers</i> , 2018, 181, 736-743.	5.1	26
10	Semi-interpenetrating polymer networks from castor oil-based polyurethane and nitrokonjac glucomannan. <i>Journal of Applied Polymer Science</i> , 2001, 81, 2076-2083.	1.3	21
11	Gelation of konjac glucomannan crosslinked by organic borate. <i>Carbohydrate Polymers</i> , 2008, 73, 498-505.	5.1	21
12	The flame retardant and thermal performances of polypropylene with a novel intumescent flame retardant. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49047.	1.3	20
13	A study on the modification of polypropylene by a star-shaped intumescent flame retardant containing phosphorus and nitrogen. <i>Polymer Degradation and Stability</i> , 2022, 195, 109801.	2.7	20
14	CHARACTERIZATION OF POLY(VINYL ALCOHOL)-KONJAC GLUCOMANNAN BLEND FILMS. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2000, 37, 1009-1021.	1.2	19
15	Molecular weight effects on gelation and rheological properties of konjac glucomannan-xanthan mixtures. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 313-321.	2.4	19
16	Miscibility and properties of blend materials from waterborne polyurethane and carboxymethyl konjac glucomannan. <i>Journal of Applied Polymer Science</i> , 2004, 92, 77-83.	1.3	16
17	Phosphonic acid functionalized siloxane crosslinked with 3-glycidoxypropyltrimethoxysilane grafted polybenzimidazole high temperature proton exchange membranes. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	15
18	Preparation of inorganic-organic hybrid proton exchange membrane with chemically bound hydroxyethane diphosphonic acid. <i>Journal of Applied Polymer Science</i> , 2012, 126, 954-959.	1.3	13

#	ARTICLE	IF	CITATIONS
19	Preparation and Characterization of Non-N-Bonded Side-Chain Anion Exchange Membranes Based on Poly(2,6-dimethyl-1,4-phenylene oxide). <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 1715-1724.	1.8	12
20	Crosslinked Proton Exchange Membranes with a Wider Working Temperature Based on Phosphonic Acid Functionalized Siloxane and PPO. <i>Macromolecular Research</i> , 2021, 29, 199-210.	1.0	11
21	Synthesis of cyanoethyl konjac glucomannan and its liquid crystalline behavior in an ionic liquid. <i>Journal of Polymer Research</i> , 2012, 19, 1.	1.2	10
22	WATER-RESISTANT CELLULOSE FILMS COATED WITH POLYURETHANE-ACRYLAMIDE GRAFTED KONJAC GLUCOMANNAN. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2001, 38, 33-42.	1.2	9
23	<i>In situ</i> pH-induced gelation of sodium alginate/carboxymethylated konjac glucomannan. <i>Journal of Applied Polymer Science</i> , 2008, 108, 2825-2832.	1.3	8
24	Proton Exchange Membrane with Enlarged Operating Temperature by Incorporating Phosphonic Acid Functionalized and Crosslinked Siloxane in Sulfonated Poly(ether ether ketone) (SPEEK) Matrix. <i>Macromolecular Research</i> , 2018, 26, 173-181.	1.0	8
25	Effect of the synthesis route on the structure and properties of polyurethane/nitrokonjac glucomannan semi-interpenetrating polymer networks. <i>Journal of Applied Polymer Science</i> , 2003, 90, 1948-1954.	1.3	7
26	Dissolution of konjac glucomannan with room temperature ionic liquids. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011, 26, 703-709.	0.4	7
27	Novel imidazole-grafted hybrid anion exchange membranes based on poly(2,6-dimethyl-1,4-phenylene) Tj ETQq1 1 0.784314 n	1.3	7
28	Preparation and characterization of chitosan gel beads crosslinked by organic titanium. <i>Journal of Polymer Research</i> , 2015, 22, 1.	1.2	5
29	Study on synthesis and demolding performance of polyethylene glycol fatty acid mold release agents. <i>Polymers for Advanced Technologies</i> , 2021, 32, 4061-4069.	1.6	5
30	Trimethyl-Ammonium Alkaline Anion Exchange Membranes with the Vinylbenzyl Chloride/Acrylonitrile Main Chain. <i>Macromolecular Research</i> , 2021, 29, 494-504.	1.0	5
31	Preparation Process Orthogonal Optimization and Mechanical Properties of Microcellular Foam Polypropylene. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100350.	1.7	4
32	Synthesis and characterization of poly(ester urethane)/nitrokonjac glucomannan semi-interpenetrating polymer networks. <i>Journal of Applied Polymer Science</i> , 2003, 90, 2224-2228.	1.3	3
33	Konjac glucomannan nanocrystals prepared by acid hydrolysis. <i>E-Polymers</i> , 2010, 10, .	1.3	3
34	Reinforcing and toughening of polyurethane by chemically modified Konjac glucomannan nanocrystal. <i>Polymer Composites</i> , 2017, 38, 1447-1453.	2.3	3
35	Gelation of Konjac glucomannan crosslinked by organotitanium chelated with different ligands. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 98, 401-410.	1.1	3
36	PP/POE thermoplastic elastomer prepared by dynamic vulcanization and its flame retardant modification. <i>Journal of Elastomers and Plastics</i> , 0, , 009524432110290.	0.7	3

#	ARTICLE	IF	CITATIONS
37	Preparation and characterization of deacetylated konjac glucomannan / pectin composite films crosslinked with calcium hydroxide. Journal of Polymer Research, 2022, 29, .	1.2	3
38	Acid-base high temperature proton exchange membranes prepared from phosphonic acid functionalized siloxane. Ionics, 2017, 23, 949-958.	1.2	2
39	Intumescent Flame-retardant Modification of Polypropylene/Carbon Fiber Composites. Journal Wuhan University of Technology, Materials Science Edition, 2022, 37, 163-169.	0.4	2
40	Rheological properties of konjac glucomannan/SiO ₂ /organic-borate gels. Journal Wuhan University of Technology, Materials Science Edition, 2009, 24, 575-580.	0.4	0
41	Preparation and characterization of a foam regulator with ultra-high molecular weight. Journal of Applied Polymer Science, 2017, 134, .	1.3	0
42	Preparation and characterization of proton exchange membrane based on polyphosphoric acid modified by PVDF-HFP. Journal of Applied Polymer Science, 2018, 135, 46737.	1.3	0
43	Pure, simple and green synthesis of magnesium oxysulphate whiskers through hydrothermal reaction. Micro and Nano Letters, 2019, 14, 245-248.	0.6	0