

Yong-gang Liu

List of Publications by Year in descending order

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41
papers

1,041
citations

430442

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42
docs citations

42
times ranked

1170
citing authors

#	ARTICLE	IF	CITATIONS
1	Concentration Dependence of the Interfacial Tension for Aqueous Two-Phase Polymer Solutions of Dextran and Polyethylene Glycol. <i>Langmuir</i> , 2012, 28, 3831-3839.	1.6	118
2	Concentration dependence of the longest relaxation times of dilute and semi-dilute polymer solutions. <i>Journal of Rheology</i> , 2009, 53, 1069-1085.	1.3	107
3	Structure and microporous formation of cellulose/silk fibroin blend membranes. <i>Journal of Membrane Science</i> , 2000, 177, 153-161.	4.1	80
4	Patterns of Flexible Nanotubes Formed by Liquid-Ordered and Liquid-Disordered Membranes. <i>ACS Nano</i> , 2016, 10, 463-474.	7.3	79
5	Determination of molecular weight and molecular sizes of polymers by high temperature gel permeation chromatography with a static and dynamic laser light scattering detector. <i>Polymer</i> , 2003, 44, 7209-7220.	1.8	52
6	Coil-stretch Transition of High Molar Mass Polymers in Packed-Column Hydrodynamic Chromatography. <i>Macromolecules</i> , 2005, 38, 7476-7484.	2.2	48
7	Structure and microporous formation of cellulose/silk fibroin blend membranes. <i>Journal of Membrane Science</i> , 2002, 210, 379-387.	4.1	40
8	Injectable and antibacterial μ -poly(L-lysine)-modified poly(vinyl alcohol)/chitosan/AgNPs hydrogels as wound healing dressings. <i>Polymer</i> , 2021, 212, 123155.	1.8	36
9	Fabrication and features of a Methylene Green-mediated sensor for hydrogen peroxide based on regenerated silk fibroin as immobilization matrix for peroxidase. <i>Talanta</i> , 1996, 43, 111-118.	2.9	30
10	PVA/Poly(hexamethylene guanidine)/Gallic Acid Composite Hydrogel Films and Their Antibacterial Performance. <i>ACS Applied Polymer Materials</i> , 2021, 3, 3867-3877.	2.0	29
11	Investigation of molecular masses and aggregation of β -D-glucan from <i>Poria cocos sclerotium</i> by size-exclusion chromatography. <i>Journal of Chromatography A</i> , 1999, 839, 49-55.	1.8	27
12	Onset of the Chromatographic Mode Transition from Hydrodynamic Chromatography to Slalom Chromatography: An Effect of Polymer Stretching. <i>Macromolecules</i> , 2006, 39, 2004-2006.	2.2	26
13	Stretching of polymer in a random flow: Effect of a shear rate. <i>Europhysics Letters</i> , 2010, 90, 44005.	0.7	26
14	Effect of cytochrome c on the phase behavior of charged multicomponent lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 2036-2045.	1.4	26
15	Molecular sensor of elastic stress in a random flow. <i>Europhysics Letters</i> , 2010, 90, 44002.	0.7	24
16	Viscoelasticity of Poly(ethylene glycol) Solutions on Supported Lipid Bilayers via Quartz Crystal Microbalance with Dissipation. <i>Macromolecules</i> , 2015, 48, 1824-1831.	2.2	24
17	Longest Relaxation Times of Double-Stranded and Single-Stranded DNA. <i>Macromolecules</i> , 2007, 40, 2172-2176.	2.2	22
18	Molar mass fractionation in aqueous two-phase polymer solutions of dextran and poly(ethylene) Tj ETQq0 0 0 rgBT/OVerlock_10 Tf 50 6	1.8	22

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19	The role of electrostatic repulsion in the gelation of poly(vinyl alcohol)/borax aqueous solutions. <i>Soft Matter</i> , 2018, 14, 6767-6773.	1.2	19
20	Characterization of the Microstructure of Biaxially Oriented Polypropylene Using Preparative Temperature-Rising Elution Fractionation. <i>International Journal of Polymer Analysis and Characterization</i> , 2003, 8, 225-243.	0.9	18
21	Single Polymer Dynamics in A Random Flow. <i>Macromolecular Symposia</i> , 2014, 337, 34-43.	0.4	18
22	Giant Vesicles Encapsulating Aqueous Two-Phase Systems: From Phase Diagrams to Membrane Shape Transformations. <i>Frontiers in Chemistry</i> , 2019, 7, 213.	1.8	18
23	Strategy to improve the characterization of chitosan by size exclusion chromatography coupled with multi angle laser light scattering. <i>Carbohydrate Polymers</i> , 2018, 202, 99-105.	5.1	17
24	Studies on the intermolecular structural heterogeneity of a propylene-ethylene random copolymer using preparative temperature rising elution fractionation. <i>Journal of Applied Polymer Science</i> , 2005, 97, 232-239.	1.3	15
25	Different molecular sizes and chain conformations of water-soluble yeast β -glucan fractions and their interactions with receptor Dectin-1. <i>Carbohydrate Polymers</i> , 2021, 273, 118568.	5.1	14
26	Investigation of the effect of branched structure on the performances of the copolymers synthesized from ethylene and 1-oolefin with rac-Et(Ind) ₂ ZrCl ₂ /MMAO catalyst system. <i>Polymer</i> , 2006, 47, 1465-1472.	1.8	12
27	Linear viscoelasticity of poly(acrylic acid) complexed with ferric ion. <i>Rheologica Acta</i> , 2019, 58, 513-523.	1.1	12
28	Adsorption of poly(vinyl alcohol) on gel permeation chromatography columns depends on the degree of hydrolysis. <i>Journal of Chromatography A</i> , 2019, 1585, 138-143.	1.8	12
29	Conformation and persistence length of chitosan in aqueous solutions of different ionic strengths via asymmetric flow field-flow fractionation. <i>Carbohydrate Polymers</i> , 2021, 271, 118402.	5.1	11
30	Studies of Instrumental Spreading in Gel Permeation Chromatography by Coupling with a Two-Angle Laser Light Scattering Detector. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2004, 27, 611-627.	0.5	10
31	Viscoelasticity of poly(ethylene glycol) in aqueous solutions of potassium sulfate: a comparison of quartz crystal microbalance with conventional methods. <i>Polymer Journal</i> , 2019, 51, 471-480.	1.3	8
32	Chemical composition separation of a propylene-ethylene random copolymer by high temperature solvent gradient interaction chromatography. <i>Journal of Chromatography A</i> , 2017, 1522, 23-29.	1.8	7
33	Chromatographic mode transition from size exclusion to slalom chromatography as observed for chitosan. <i>Carbohydrate Polymers</i> , 2020, 235, 115950.	5.1	7
34	Fabrication of polymersomes with controllable morphologies through dewetting w/o/w double emulsion droplets. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2016, 34, 475-482.	2.0	6
35	Thermorheological complexity of poly(vinyl alcohol)/borax aqueous solutions. <i>Journal of Rheology</i> , 2020, 64, 991-1002.	1.3	6
36	Speedy quantitative microstructure determination of Poly(ethylene-co-1-hexene) at triads by ¹ H- ¹³ C two-dimensional NMR. <i>Polymer</i> , 2021, 229, 123993.	1.8	4

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37	Conformation of dilute poly(vinyl alcohol)-borax complex by asymmetric flow field-flow fractionation. <i>Journal of Chromatography A</i> , 2020, 1624, 461260.	1.8	3
38	Spontaneous Tubulation in Giant Vesicles Induced by GM1 or PEG Adsorption. <i>Biophysical Journal</i> , 2016, 110, 244a.	0.2	2
39	Structure and phase behavior of poly(acrylic acid)-ferric ion complex aqueous solutions. <i>Soft Matter</i> , 2020, 16, 10750-10758.	1.2	2
40	Synthesis and structural characterization of N,N,N-trimethyl chitosan. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51811.	1.3	2
41	Entropic characterization of the coil-stretch transition of polymers in random flows. <i>Physical Review E</i> , 2021, 103, 033107.	0.8	1