

# Yong-gang Liu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41  
papers

795  
citations

16  
h-index

27  
g-index

41  
ext. papers

915  
ext. citations

4.8  
avg, IF

4.2  
L-index

#	Paper	IF	Citations
41	Entropic characterization of the coil-stretch transition of polymers in random flows. <i>Physical Review E</i> , <b>2021</b> , 103, 033107	2.4	
40	Injectable and antibacterial poly(l-lysine)-modified poly(vinyl alcohol)/chitosan/AgNPs hydrogels as wound healing dressings. <i>Polymer</i> , <b>2021</b> , 212, 123155	3.9	18
39	PVA/Poly(hexamethylene guanidine)/Gallic Acid Composite Hydrogel Films and Their Antibacterial Performance. <i>ACS Applied Polymer Materials</i> , <b>2021</b> , 3, 3867-3877	4.3	3
38	Speedy quantitative microstructure determination of Poly(ethylene-co-1-hexene) at triads by <sup>1</sup> H/ <sup>13</sup> C two-dimensional NMR. <i>Polymer</i> , <b>2021</b> , 229, 123993	3.9	2
37	Conformation and persistence length of chitosan in aqueous solutions of different ionic strengths via asymmetric flow field-flow fractionation. <i>Carbohydrate Polymers</i> , <b>2021</b> , 271, 118402	10.3	1
36	Different molecular sizes and chain conformations of water-soluble yeast $\beta$ -glucan fractions and their interactions with receptor Dectin-1. <i>Carbohydrate Polymers</i> , <b>2021</b> , 273, 118568	10.3	2
35	Conformation of dilute poly(vinyl alcohol)-borax complex by asymmetric flow field-flow fractionation. <i>Journal of Chromatography A</i> , <b>2020</b> , 1624, 461260	4.5	3
34	Thermorheological complexity of poly(vinyl alcohol)/borax aqueous solutions. <i>Journal of Rheology</i> , <b>2020</b> , 64, 991-1002	4.1	4
33	Chromatographic mode transition from size exclusion to slalom chromatography as observed for chitosan. <i>Carbohydrate Polymers</i> , <b>2020</b> , 235, 115950	10.3	4
32	Structure and phase behavior of poly(acrylic acid)-ferric ion complex aqueous solutions. <i>Soft Matter</i> , <b>2020</b> , 16, 10750-10758	3.6	1
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> , <b>2019</b> , 51, 471-480	2.7	4
30	Linear viscoelasticity of poly(acrylic acid) complexed with ferric ion. <i>Rheologica Acta</i> , <b>2019</b> , 58, 513-523	2.3	8
29	Giant Vesicles Encapsulating Aqueous Two-Phase Systems: From Phase Diagrams to Membrane Shape Transformations. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 213	5	9
28	Adsorption of poly(vinyl alcohol) on gel permeation chromatography columns depends on the degree of hydrolysis. <i>Journal of Chromatography A</i> , <b>2019</b> , 1585, 138-143	4.5	10
27	The role of electrostatic repulsion in the gelation of poly(vinyl alcohol)/borax aqueous solutions. <i>Soft Matter</i> , <b>2018</b> , 14, 6767-6773	3.6	13
26	Strategy to improve the characterization of chitosan by size exclusion chromatography coupled with multi angle laser light scattering. <i>Carbohydrate Polymers</i> , <b>2018</b> , 202, 99-105	10.3	13
25	Chemical composition separation of a propylene-ethylene random copolymer by high temperature solvent gradient interaction chromatography. <i>Journal of Chromatography A</i> , <b>2017</b> , 1522, 23-29	4.5	6

24	Fabrication of polymersomes with controllable morphologies through dewetting w/o/w double emulsion droplets. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2016</b> , 34, 475-482	3.5	5
23	Patterns of Flexible Nanotubes Formed by Liquid-Ordered and Liquid-Disordered Membranes. <i>ACS Nano</i> , <b>2016</b> , 10, 463-74	16.7	59
22	Spontaneous Tubulation in Giant Vesicles Induced by GM1 or PEG Adsorption. <i>Biophysical Journal</i> , <b>2016</b> , 110, 244a	2.9	2
21	Molar mass fractionation in aqueous two-phase polymer solutions of dextran and poly(ethylene glycol). <i>Journal of Chromatography A</i> , <b>2016</b> , 1452, 107-15	4.5	16
20	Viscoelasticity of Poly(ethylene glycol) Solutions on Supported Lipid Bilayers via Quartz Crystal Microbalance with Dissipation. <i>Macromolecules</i> , <b>2015</b> , 48, 1824-1831	5.5	20
19	Effect of cytochrome c on the phase behavior of charged multicomponent lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2014</b> , 1838, 2036-45	3.8	22
18	Single Polymer Dynamics in A Random Flow. <i>Macromolecular Symposia</i> , <b>2014</b> , 337, 34-43	0.8	15
17	Concentration dependence of the interfacial tension for aqueous two-phase polymer solutions of dextran and polyethylene glycol. <i>Langmuir</i> , <b>2012</b> , 28, 3831-9	4	84
16	Molecular sensor of elastic stress in a random flow. <i>Europhysics Letters</i> , <b>2010</b> , 90, 44002	1.6	23
15	Stretching of polymer in a random flow: Effect of a shear rate. <i>Europhysics Letters</i> , <b>2010</b> , 90, 44005	1.6	21
14	Concentration dependence of the longest relaxation times of dilute and semi-dilute polymer solutions. <i>Journal of Rheology</i> , <b>2009</b> , 53, 1069-1085	4.1	91
13	Longest Relaxation Times of Double-Stranded and Single-Stranded DNA. <i>Macromolecules</i> , <b>2007</b> , 40, 2172-2176	5.3	18
12	Investigation of the effect of branched structure on the performances of the copolymers synthesized from ethylene and Eblefin with rac-Et(Ind) <sub>2</sub> ZrCl <sub>2</sub> /MMAO catalyst system. <i>Polymer</i> , <b>2006</b> , 47, 1465-1472	3.9	9
11	Onset of the Chromatographic Mode Transition from Hydrodynamic Chromatography to Slalom Chromatography: An Effect of Polymer Stretching. <i>Macromolecules</i> , <b>2006</b> , 39, 2004-2006	5.5	22
10	Coil Stretch Transition of High Molar Mass Polymers in Packed-Column Hydrodynamic Chromatography. <i>Macromolecules</i> , <b>2005</b> , 38, 7476-7484	5.5	43
9	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> , <b>2005</b> , 97, 232-239	2.9	15
8	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> , <b>2004</b> , 27, 611-627	1.3	10
7	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> , <b>2003</b> , 44, 7209-7220	3.9	47

6	Characterization of the Microstructure of Biaxially Oriented Polypropylene Using Preparative Temperature-Rising Elution Fractionation. <i>International Journal of Polymer Analysis and Characterization</i> , <b>2003</b> , 8, 225-243	1.7	16
5	Structure and microporous formation of cellulose/silk fibroin blend membranes: Part II. Effect of post-treatment by alkali. <i>Journal of Membrane Science</i> , <b>2002</b> , 210, 379-387	9.6	36
4	Structure and microporous formation of cellulose/silk fibroin blend membranes: I. Effect of coagulants. <i>Journal of Membrane Science</i> , <b>2000</b> , 177, 153-161	9.6	73
3	Investigation of molecular masses and aggregation of $\beta$ -D-glucan from <i>Poria cocos sclerotium</i> by size-exclusion chromatography. <i>Journal of Chromatography A</i> , <b>1999</b> , 839, 49-55	4.5	22
2	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> , <b>1996</b> , 43, 111-8	6.2	25
1	Synthesis and structural characterization of N,N,N-trimethyl chitosan. <i>Journal of Applied Polymer Science</i> , 51811	2.9	0