

# Yunqing Zhu

## List of Publications by Year in descending order

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38  
papers

4,621  
citations

257357

24  
h-index

330025

37  
g-index

39  
all docs

39  
docs citations

39  
times ranked

5048  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sustainable polymers from renewable resources. <i>Nature</i> , 2016, 540, 354-362.	13.7	1,902
2	Ring-opening copolymerization (ROCOP): synthesis and properties of polyesters and polycarbonates. <i>Chemical Communications</i> , 2015, 51, 6459-6479.	2.2	471
3	Polymer vesicles: Mechanism, preparation, application, and responsive behavior. <i>Progress in Polymer Science</i> , 2017, 64, 1-22.	11.8	294
4	Chemoselective Polymerizations from Mixtures of Epoxide, Lactone, Anhydride, and Carbon Dioxide. <i>Journal of the American Chemical Society</i> , 2016, 138, 4120-4131.	6.6	200
5	Selective Polymerization Catalysis: Controlling the Metal Chain End Group to Prepare Block Copolyesters. <i>Journal of the American Chemical Society</i> , 2015, 137, 12179-12182.	6.6	158
6	Antibacterial Polypeptide-Grafted Chitosan-Based Nanocapsules As an "Armed" Carrier of Anticancer and Antiepileptic Drugs. <i>ACS Macro Letters</i> , 2013, 2, 1021-1025.	2.3	140
7	Di-magnesium and zinc catalysts for the copolymerization of phthalic anhydride and cyclohexene oxide. <i>Polymer Chemistry</i> , 2014, 5, 6068-6075.	1.9	137
8	Multifunctional Homopolymer Vesicles for Facile Immobilization of Gold Nanoparticles and Effective Water Remediation. <i>ACS Nano</i> , 2014, 8, 5022-5031.	7.3	118
9	Template-free fabrication of nitrogen-doped hollow carbon spheres for high-performance supercapacitors based on a scalable homopolymer vesicle. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12088-12097.	5.2	102
10	Probing into Homopolymer Self-Assembly: How Does Hydrogen Bonding Influence Morphology?. <i>Macromolecules</i> , 2013, 46, 194-203.	2.2	101
11	Big Is Beautiful: Enhanced saRNA Delivery and Immunogenicity by a Higher Molecular Weight, Bioreducible, Cationic Polymer. <i>ACS Nano</i> , 2020, 14, 5711-5727.	7.3	92
12	Pentablock Copolymer from Tetracomponent Monomer Mixture Using a Switchable Dizinc Catalyst. <i>Macromolecules</i> , 2018, 51, 5346-5351.	2.2	90
13	Preparation and Mechanism Insight of Nuclear Envelope-like Polymer Vesicles for Facile Loading of Biomacromolecules and Enhanced Biocatalytic Activity. <i>ACS Nano</i> , 2014, 8, 6644-6654.	7.3	78
14	Multiblock Polyesters Demonstrating High Elasticity and Shape Memory Effects. <i>Macromolecules</i> , 2018, 51, 2466-2475.	2.2	71
15	"Switch"™ catalysis: from monomer mixtures to sequence-controlled block copolymers. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170066.	1.6	62
16	Antibacterial vesicles by direct dissolution of a block copolymer in water. <i>Polymer Chemistry</i> , 2013, 4, 255-259.	1.9	60
17	Polymeric and lipid nanoparticles for delivery of self-amplifying RNA vaccines. <i>Journal of Controlled Release</i> , 2021, 338, 201-210.	4.8	53
18	How does a tiny terminal alkynyl end group drive fully hydrophilic homopolymers to self-assemble into multicompartment vesicles and flower-like complex particles?. <i>Polymer Chemistry</i> , 2014, 5, 5077-5088.	1.9	47

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19	Orthogonal functionalization of alternating polyesters: selective patterning of (AB) <sub>n</sub> sequences. <i>Chemical Science</i> , 2019, 10, 9974-9980.	3.7	44
20	Antibacterial high-genus polymer vesicle as an "armed" drug carrier. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5496.	2.9	43
21	Polymersome Wound Dressing Spray Capable of Bacterial Inhibition and H <sub>2</sub> S Generation for Complete Diabetic Wound Healing. <i>Chemistry of Materials</i> , 2021, 33, 7972-7985.	3.2	43
22	Fully Bio-Based High-Performance Thermosets with Closed-Loop Recyclability. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 1036-1046.	3.2	42
23	Design principles, synthesis and biomedical applications of polymer vesicles with inhomogeneous membranes. <i>Journal of Controlled Release</i> , 2020, 326, 365-386.	4.8	37
24	Recent Developments in Ring-Opening Copolymerization of Epoxides With CO <sub>2</sub> and Cyclic Anhydrides for Biomedical Applications. <i>Frontiers in Chemistry</i> , 2021, 9, 647245.	1.8	29
25	Recent advances in the implant-based drug delivery in otorhinolaryngology. <i>Acta Biomaterialia</i> , 2020, 108, 46-55.	4.1	28
26	Enzyme activated photodynamic therapy for methicillin-resistant <i>Staphylococcus aureus</i> infection both in vitro and in vivo. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 136, 72-80.	1.7	25
27	Influences of a Zinc Catalyst and Bifunctional Chain Transfer Agents on the Polymer Architecture in the Ring-Opening Polymerization of $\epsilon$ -Caprolactone. <i>Macromolecules</i> , 2015, 48, 2407-2416.	2.2	25
28	Polynuclear alkoxyzinc complexes of bowl-shaped macrocycles and their use in the copolymerisation of cyclohexene oxide and CO <sub>2</sub> . <i>Dalton Transactions</i> , 2019, 48, 4887-4893.	1.6	25
29	Challenges and Perspective on Ring-Opening Polymerization-Induced Self-Assembly. <i>Acta Chimica Sinica</i> , 2020, 78, 719.	0.5	23
30	Metabolically Active, Fully Hydrolysable Polymersomes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4581-4586.	7.2	20
31	Giant Polymer Vesicles with a Latticelike Membrane. <i>ACS Macro Letters</i> , 2021, 10, 1015-1022.	2.3	16
32	Recent progress on charge-reversal polymeric nanocarriers for cancer treatments. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 042010.	1.7	14
33	Bioreducible, arginine-rich polydisulfide-based siRNA nanocomplexes with excellent tumor penetration for efficient gene silencing. <i>Biomaterials Science</i> , 2021, 9, 5275-5292.	2.6	10
34	Homopolymer nanobowls with a controlled size and denting degree. <i>Polymer Chemistry</i> , 2022, 13, 1236-1242.	1.9	6
35	Fluorescent homopolypeptide toroids. <i>Polymer Chemistry</i> , 2022, 13, 1495-1501.	1.9	6
36	"Interlocking Effect for Designing Biodegradable Nanorods with Controlled Lateral Surface Curvature. <i>Chemistry of Materials</i> , 2022, 34, 4937-4945.	3.2	6

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37	Metabolically Active, Fully Hydrolysable Polymersomes. <i>Angewandte Chemie</i> , 2019, 131, 4629-4634.	1.6	3
38	Effect of Functionalized MWCNTs on the Tribological Properties of Polyimide Film. <i>Advanced Materials Research</i> , 2011, 340, 88-94.	0.3	0