

# Chunyang Yu

## 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.

88  
papers

2,459  
citations

24  
h-index

47  
g-index

100  
ext. papers

3,159  
ext. citations

7.7  
avg, IF

5.31  
L-index

#	Paper	IF	Citations
88	Understanding the mechanism of nitrogen transport in the perfluorinated sulfonic-acid hydrated membranes via molecular dynamics simulations. <i>Journal of Membrane Science</i> , <b>2022</b> , 648, 120328	9.6	2
87	Supramolecular Proton Conductors Self-Assembled by Organic Cages.. <i>Jacs Au</i> , <b>2022</b> , 2, 819-826		4
86	Visible-Light-Induced Reversible Photochemical Crystal-Liquid Transitions of Azo-Switches for Smart and Robust Adhesives. <i>Chemistry of Materials</i> , <b>2022</b> , 34, 2636-2644	9.6	4
85	A class of organic cages featuring twin cavities. <i>Nature Communications</i> , <b>2021</b> , 12, 6124	17.4	2
84	Porphyrin-Based Conjugated Microporous Polymer Tubes: Template-Free Synthesis and A Photocatalyst for Visible-Light-Driven Thiocyanation of Anilines. <i>Macromolecules</i> , <b>2021</b> , 54, 3543-3553	5.5	6
83	Single-Handed Double Helix and Spiral Platelet Formed by Racemate of Dissymmetric Cages. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 15207-15213	3.6	2
82	Single-Handed Double Helix and Spiral Platelet Formed by Racemate of Dissymmetric Cages. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 15080-15086	16.4	5
81	Asymmetric Vesicles Self-Assembled by Amphiphilic Sequence-Controlled Polymers.. <i>ACS Macro Letters</i> , <b>2021</b> , 10, 894-900	6.6	2
80	Azobispyrazole Family as Photoswitches Combining (Near-) Quantitative Bidirectional Isomerization and Widely Tunable Thermal Half-Lives from Hours to Years*. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 16539-16546	16.4	12
79	Azobispyrazole Family as Photoswitches Combining (Near-) Quantitative Bidirectional Isomerization and Widely Tunable Thermal Half-Lives from Hours to Years**. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 16675-16682	3.6	1
78	Topological Effect on Macromonomer Polymerization. <i>Macromolecules</i> , <b>2021</b> , 54, 6101-6108	5.5	6
77	Catenated Cages Mediated by Enthalpic Reaction Intermediates. <i>CCS Chemistry</i> , <b>2021</b> , 3, 1838-1850	7.2	2
76	Structure adjustment for enhancing the water permeability and separation selectivity of the thin film composite nanofiltration membrane based on a dendritic hyperbranched polymer. <i>Journal of Membrane Science</i> , <b>2021</b> , 618, 118455	9.6	16
75	A pure molecular drug hydrogel for post-surgical cancer treatment. <i>Biomaterials</i> , <b>2021</b> , 265, 120403	15.6	11
74	Synergistic covalent-and-supramolecular polymers connected by [2]pseudorotaxane moieties. <i>Chemical Communications</i> , <b>2021</b> , 57, 7374-7377	5.8	0
73	Sulfanion-initiated open-vessel anionic ring-opening polymerization (AROP) of N-sulfonyl aziridines. <i>Science China Chemistry</i> , <b>2021</b> , 64, 1778	7.9	
72	(Hetero)arylazo-1,2,3-triazoles: "Clicked" Photoswitches for Versatile Functionalization and Electronic Decoupling. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 14502-14510	16.4	7

71	Surface modification of polyamide reverse osmosis membranes with small-molecule zwitterions for enhanced fouling resistance: a molecular simulation study. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 6623-6631	3.6	2
70	A shish-kebab-like supramolecular polymer and its light-responsive self-assembly into nanofibers. <i>Polymer Chemistry</i> , <b>2021</b> , 12, 1425-1428	4.9	1
69	Tailoring the molecular geometry of polyfluoride perylene diimide acceptors towards efficient organic solar cells. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 8224-8233	7.1	13
68	Azobenzene-functionalized graphene nanoribbons: bottom-up synthesis, photoisomerization behaviour and self-assembled structures. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 10837-10843	7.1	3
67	-Inspired Circular Polarized Luminescence in a Solid Block Copolymer Film with a Controllable Helix. <i>ACS Nano</i> , <b>2020</b> , 14, 8939-8948	16.7	15
66	A robust flame retardant fluorinated polyimide nanofiber separator for high-temperature lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 14788-14798	13	17
65	De Novo Construction of Catenanes with Dissymmetric Cages by Space-Discriminative Post-Assembly Modification. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 7179-7187	3.6	4
64	High- $\kappa$ Alternating copolymers for accessing sub-5 nm domains via simulations. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 5577-5583	3.6	6
63	Dual-Self-Restricted GFP Chromophore Analogues with Significantly Enhanced Emission. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 871-880	3.4	3
62	Multilayer onion-like vesicles self-assembled from amphiphilic hyperbranched multiarm copolymers via simulation. <i>Journal of Polymer Science</i> , <b>2020</b> , 58, 704-715	2.4	5
61	In Situ supramolecular polymerization-enhanced self-assembly of polymer vesicles for highly efficient photothermal therapy. <i>Nature Communications</i> , <b>2020</b> , 11, 1724	17.4	54
60	Endogenous nucleotide as drug carrier: base-paired guanosine-5'-monophosphate:pemetrexed vesicles with enhanced anticancer capability. <i>Science China Chemistry</i> , <b>2020</b> , 63, 244-253	7.9	5
59	Mechanistic inference on the reaction kinetics of phenols and anilines in carbon nanotubes-activated peroxydisulfate systems: pp-LFERs and QSARs analyses. <i>Chemical Engineering Journal</i> , <b>2020</b> , 385, 123923	14.7	21
58	Bis-Anthracene Fused Porphyrin as an Efficient Photocatalyst: Facile Synthesis and Visible-Light-Driven Oxidative Coupling of Amines. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 16497-16503	4.8	2
57	Computational design of Janus polymersomes with controllable fission from double emulsions. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 24934-24942	3.6	1
56	study of structure and water dynamics in CNT/polyamide nanocomposite reverse osmosis membranes. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 22324-22331	3.6	2
55	Bio-Inspired Supramolecular Membranes: A Pathway to Separation and Purification of Emerging Pollutants. <i>Separation and Purification Reviews</i> , <b>2020</b> , 49, 20-36	7.3	12
54	De Novo Construction of Catenanes with Dissymmetric Cages by Space-Discriminative Post-Assembly Modification. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 7113-7121	16.4	20

53	Multigeometry Nanoparticles from the Orthogonal Self-Assembly of Block Alternating Copolymers via Simulation. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 8333-8340	3.4	7
52	Aggregation-Induced Emission Fluorophore-Based Molecular Beacon for Differentiating Tumor and Normal Cells by Detecting the Specific and False-Positive Signals. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 3618-3630	5.5	9
51	Ferroptosis Promotes Photodynamic Therapy: Supramolecular Photosensitizer-Inducer Nanodrug for Enhanced Cancer Treatment. <i>Theranostics</i> , <b>2019</b> , 9, 3293-3307	12.1	98
50	Shape Transformations of Vesicles Self-Assembled from Amphiphilic Hyperbranched Multiarm Copolymers via Simulation. <i>Langmuir</i> , <b>2019</b> , 35, 6929-6938	4	8
49	Molecular dynamics simulation studies of the structure and antifouling performance of a gradient polyamide membrane. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 19995-20002	3.6	7
48	Pyrazolylazophenyl Ether-Based Photoswitches: Facile Synthesis, (Near-)Quantitative Photoconversion, Long Thermal Half-Life, Easy Functionalization, and Versatile Applications in Light-Responsive Systems. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 13402-13410	4.8	26
47	MembrFactory: A Force Field and composition Double Independent Universal Tool for Constructing Polyamide Reverse Osmosis Membranes. <i>Journal of Computational Chemistry</i> , <b>2019</b> , 40, 2432-2438	3.5	4
46	Tunable Superstructures of Dendronized Graphene Nanoribbons in Liquid Phase. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 10972-10977	16.4	28
45	Revisiting Acetoacetyl Chemistry to Build Malleable Cross-Linked Polymer Networks via Transamidation. <i>ACS Macro Letters</i> , <b>2019</b> , 8, 233-238	6.6	23
44	Solution self-assembly behavior of rod-alt-coil alternating copolymers via simulations. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 25148-25157	3.6	8
43	Self-assembly of Amphiphilic Alternating Copolymers. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 4255-4264	4.8	27
42	Effect of Side Chains on the Low-Dimensional Self-Assembly of Polyphenylene-Based Rod-Coil Graft Copolymers in Solution. <i>Macromolecules</i> , <b>2018</b> , 51, 161-172	5.5	21
41	Quantitative structure-activity relationship for the oxidation of aromatic organic contaminants in water by TAML/HO. <i>Water Research</i> , <b>2018</b> , 140, 354-363	12.5	45
40	Modification of polyamide TFC nanofiltration membrane for improving separation and antifouling properties.. <i>RSC Advances</i> , <b>2018</b> , 8, 15102-15110	3.7	28
39	Modification of Polyamide-Urethane (PAUt) Thin Film Composite Membrane for Improving the Reverse Osmosis Performance. <i>Polymers</i> , <b>2018</b> , 10,	4.5	3
38	Modification of PSf/SPSf Blended Porous Support for Improving the Reverse Osmosis Performance of Aromatic Polyamide Thin Film Composite Membranes. <i>Polymers</i> , <b>2018</b> , 10,	4.5	16
37	Emulsion-Assisted Polymerization-Induced Hierarchical Self-Assembly of Giant Sea Urchin-like Aggregates on a Large Scale. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 8175-8179	3.6	14
36	Emulsion-Assisted Polymerization-Induced Hierarchical Self-Assembly of Giant Sea Urchin-like Aggregates on a Large Scale. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 8043-8047	16.4	33

35	Crystallization-Driven Two-Dimensional Self-Assembly of Amphiphilic PCL-b-PEO Coated Gold Nanoparticles in Aqueous Solution. <i>ACS Macro Letters</i> , <b>2018</b> , 7, 1062-1067	6.6	17
34	Potentially toxic elements and environmentally-related pollutants recognition using colorimetric and ratiometric fluorescent probes. <i>Science of the Total Environment</i> , <b>2018</b> , 640-641, 174-193	10.2	76
33	Supramolecular Polymer-Based Nanomedicine: High Therapeutic Performance and Negligible Long-Term Immunotoxicity. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 8005-8019	16.4	168
32	Rhodamine-based multianalyte colorimetric probe with potentialities as on-site assay kit and in biological systems. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 258, 115-124	8.5	42
31	Understanding the temperature effect on transport dynamics and structures in polyamide reverse osmosis system via molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 29996-30005	3.6	13
30	Modification of poly(amide-urethane-imide) (PAUI) thin film composite reverse osmosis membrane with nano-silver particles.. <i>RSC Advances</i> , <b>2018</b> , 8, 37817-37827	3.7	3
29	Development and characterization of newly engineered chemosensor with intracellular monitoring potentialities and lowest detection of toxic elements. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 272, 440-449	6	21
28	Real-time probing of mercury using an efficient turn-on strategy with potential as in-field mapping kit and in live cell imaging. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 10940-10946	3.6	30
27	Nucleoside Analogue-Based Supramolecular Nanodrugs Driven by Molecular Recognition for Synergistic Cancer Therapy. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 8797-8806	16.4	65
26	Computer simulation studies of the influence of side alkyl chain on glass transition behavior of carbazole trimer. <i>Science China Chemistry</i> , <b>2017</b> , 60, 377-384	7.9	1
25	Self-crosslinking and injectable hyaluronic acid/RGD-functionalized pectin hydrogel for cartilage tissue engineering. <i>Carbohydrate Polymers</i> , <b>2017</b> , 166, 31-44	10.3	90
24	Self-restricted oxazolone GFP chromophore for construction of reaction-based fluorescent probe toward dopamine. <i>Materials Today Chemistry</i> , <b>2017</b> , 3, 73-81	6.2	4
23	Facile Preparation of Water-Soluble and Cytocompatible Small-Sized Chitosan-Polydopamine Nanoparticles. <i>Chinese Journal of Chemistry</i> , <b>2017</b> , 35, 931-937	4.9	6
22	Polymer vesicle sensor through the self-assembly of hyperbranched polymeric ionic liquids for the detection of SO <sub>2</sub> derivatives. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2017</b> , 35, 602-610	3.5	20
21	Computer Simulation Studies on the pH-Responsive Self-Assembly of Amphiphilic Carboxy-Terminated Polyester Dendrimers in Aqueous Solution. <i>Langmuir</i> , <b>2017</b> , 33, 388-399	4	16
20	Selective Degradation of Organic Pollutants Using an Efficient Metal-Free Catalyst Derived from Carbonized Polypyrrole via Peroxymonosulfate Activation. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 11288-11296	10.3	311
19	Asymmetric Polymersomes from an Oil-in-Oil Emulsion: A Computer Simulation Study. <i>Langmuir</i> , <b>2017</b> , 33, 10084-10093	4	6
18	A dissipative particle dynamics simulation study on phase diagrams for the self-assembly of amphiphilic hyperbranched multiarm copolymers in various solvents. <i>Soft Matter</i> , <b>2017</b> , 13, 6178-6188	3.6	30

17	Self-Restricted Green Fluorescent Protein Chromophore Analogues: Dramatic Emission Enhancement and Remarkable Solvatofluorochromism. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 2935-44	6.4	19
16	Molecular dynamics simulation studies of hyperbranched polyglycerols and their encapsulation behaviors of small drug molecules. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 22446-57	3.6	6
15	An Injectable Enzymatically Crosslinked Carboxymethylated Pullulan/Chondroitin Sulfate Hydrogel for Cartilage Tissue Engineering. <i>Scientific Reports</i> , <b>2016</b> , 6, 20014	4.9	114
14	HBP Builder: A Tool to Generate Hyperbranched Polymers and Hyperbranched Multi-Arm Copolymers for Coarse-grained and Fully Atomistic Molecular Simulations. <i>Scientific Reports</i> , <b>2016</b> , 6, 26264	4.9	9
13	Protein-Framed Multi-Porphyrin Micelles for a Hybrid Natural-Artificial Light-Harvesting Nanosystem. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 7952-7	16.4	88
12	A srikaya-like light-harvesting antenna based on graphene quantum dots and porphyrin unimolecular micelles. <i>Chemical Communications</i> , <b>2016</b> , 52, 9394-7	5.8	23
11	Protein-Framed Multi-Porphyrin Micelles for a Hybrid Natural Artificial Light-Harvesting Nanosystem. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 8084-8089	3.6	24
10	Ultrasound-responsive ultrathin multiblock copolyamide vesicles. <i>Nanoscale</i> , <b>2016</b> , 8, 4922-6	7.7	27
9	Cancer Theranostic Nanoparticles Self-Assembled from Amphiphilic Small Molecules with Equilibrium Shift-Induced Renal Clearance. <i>Theranostics</i> , <b>2016</b> , 6, 1703-16	12.1	35
8	Light-triggered reversible "one-to-two" morphological transition in a "latent double-amphiphilic" linear-hyperbranched supramolecular block copolymer. <i>Chemical Communications</i> , <b>2016</b> , 52, 8223-6	5.8	14
7	One-pot preparation of pomegranate-like polydopamine stabilized small gold nanoparticles with superior stability for recyclable nanocatalysts. <i>RSC Advances</i> , <b>2016</b> , 6, 40698-40705	3.7	15
6	Hierarchical Self-Assembly of a Dandelion-Like Supramolecular Polymer into Nanotubes for use as Highly Efficient Aqueous Light-Harvesting Systems. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 7652-7661	15.6	77
5	Dissipative particle dynamics simulation study on self-assembly of amphiphilic hyperbranched multiarm copolymers with different degrees of branching. <i>Soft Matter</i> , <b>2015</b> , 11, 8460-70	3.6	20
4	Preparation of polydopamine nanocapsules in a miscible tetrahydrofuran-buffer mixture. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 686-90	3.9	25
3	Ultrathin Alternating Copolymer Nanotubes with Readily Tunable Surface Functionalities. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 3692-3696	3.6	18
2	Ultrathin alternating copolymer nanotubes with readily tunable surface functionalities. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 3621-5	16.4	50
1	A supramolecular Janus hyperbranched polymer and its photoresponsive self-assembly of vesicles with narrow size distribution. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 4765-70	16.4	299