

# Yivan Jiang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10858197/publications.pdf>

Version: 2024-02-01

15  
papers

955  
citations

623734

14  
h-index

940533

16  
g-index

18  
all docs

18  
docs citations

18  
times ranked

1241  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Bottlebrush polymers with flexible enantiomeric side chains display differential biological properties. <i>Nature Chemistry</i> , 2022, 14, 85-93.  | 13.6 | 43        |
| 2  | Synthetic Glycomacromolecules of Defined Valency, Absolute Configuration, and Topology Distinguish between Human Lectins. <i>Jacs Au</i> , 2021, 1, 1621-1630.  | 7.9  | 23        |
| 3  | Pro-organic radical contrast agents (â€œpro-ORCAsâ€) for real-time MRI of pro-drug activation in biological systems. <i>Polymer Chemistry</i> , 2020, 11, 4768-4779.  | 3.9  | 20        |
| 4  | Quantitative Mapping of Molecular Substituents to Macroscopic Properties Enables Predictive Design of Oligoethylene Glycol-Based Lithium Electrolytes. <i>ACS Central Science</i> , 2020, 6, 1115-1128.                     | 11.3 | 15        |
| 5  | Brush-First ROMP of poly(ethylene oxide) macromonomers of varied length: impact of polymer architecture on thermal behavior and Li <sup>+</sup> conductivity. <i>Journal of Polymer Science Part A</i> , 2019, 57, 448-455. | 2.3  | 22        |
| 6  | Stereochemical Sequence Dictates Unimolecular Diblock Copolymer Assembly. <i>Journal of the American Chemical Society</i> , 2018, 140, 1596-1599.   | 13.7 | 61        |
| 7  | Scalable Synthesis of Multivalent Macromonomers for ROMP. <i>ACS Macro Letters</i> , 2018, 7, 472-476.  | 4.8  | 42        |
| 8  | Triply Loaded Nitroxide Brush-Arm Star Polymers Enable Metal-Free Millimetric Tumor Detection by Magnetic Resonance Imaging. <i>ACS Nano</i> , 2018, 12, 11343-11354.   | 14.6 | 56        |
| 9  | Nitroxide-Based Macromolecular Contrast Agents with Unprecedented Transverse Relaxivity and Stability for Magnetic Resonance Imaging of Tumors. <i>ACS Central Science</i> , 2017, 3, 800-811.                              | 11.3 | 126       |
| 10 | Clickable Poly(ionic liquids): A Materials Platform for Transfection. <i>Angewandte Chemie</i> , 2016, 128, 12570-12574.  | 2.0  | 4         |
| 11 | Clickable Poly(ionic liquids): A Materials Platform for Transfection. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12382-12386.   | 13.8 | 47        |
| 12 | Iterative Exponential Growth Synthesis and Assembly of Uniform Diblock Copolymers. <i>Journal of the American Chemical Society</i> , 2016, 138, 9369-9372.  | 13.7 | 107       |
| 13 | The evolution of cyclopropenium ions into functional polyelectrolytes. <i>Nature Communications</i> , 2015, 6, 5950.  | 12.8 | 54        |
| 14 | Synthesis of Robust Surface-Charged Nanoparticles Based on Cyclopropenium Ions. <i>Macromolecules</i> , 2015, 48, 2519-2525.  | 4.8  | 16        |
| 15 | Iterative exponential growth of stereo- and sequence-controlled polymers. <i>Nature Chemistry</i> , 2015, 7, 810-815.   | 13.6 | 296       |