

# Jia Niu

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

3,521  
citations

304602

22  
h-index

377752

34  
g-index

43  
all docs

43  
docs citations

43  
times ranked

4729  
citing authors

#	ARTICLE	IF	CITATIONS
1	Superhydrophobic surfaces: from structural control to functional application. <i>Journal of Materials Chemistry</i> , 2008, 18, 621-633.	6.7	1,560
2	Engineering live cell surfaces with functional polymers via cytocompatible controlled radical polymerization. <i>Nature Chemistry</i> , 2017, 9, 537-545.	6.6	353
3	Towards Understanding Why a Superhydrophobic Coating Is Needed by Water Striders. <i>Advanced Materials</i> , 2007, 19, 2257-2261.	11.1	278
4	Enzyme-free translation of DNA into sequence-defined synthetic polymers structurally unrelated to nucleic acids. <i>Nature Chemistry</i> , 2013, 5, 282-292.	6.6	193
5	Facile Method To Fabricate a Large-Scale Superhydrophobic Surface by Galvanic Cell Reaction. <i>Chemistry of Materials</i> , 2006, 18, 1365-1368.	3.2	138
6	Facile Synthesis of Sequence-Regulated Synthetic Polymers Using Orthogonal SuFEx and CuAAC Click Reactions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16194-16199.	7.2	136
7	Roselike Microstructures Formed by Direct In Situ Hydrothermal Synthesis: From Superhydrophilicity to Superhydrophobicity. <i>Chemistry of Materials</i> , 2005, 17, 6177-6180.	3.2	97
8	DNA Ligase-Mediated Translation of DNA Into Densely Functionalized Nucleic Acid Polymers. <i>Journal of the American Chemical Society</i> , 2013, 135, 98-101.	6.6	65
9	Rapid Visible Light-Mediated Controlled Aqueous Polymerization with In Situ Monitoring. <i>ACS Macro Letters</i> , 2017, 6, 1109-1113.	2.3	65
10	Surface-Imprinted Nanostructured Layer-by-Layer Film for Molecular Recognition of Theophylline Derivatives. <i>Langmuir</i> , 2008, 24, 11988-11994.	1.6	63
11	Geared Toward Applications: A Perspective on Functional Sequence-Controlled Polymers. <i>ACS Macro Letters</i> , 2021, 10, 243-257.	2.3	61
12	Reversible Disulfide Cross-Linking in Layer-by-Layer Films: Preassembly Enhanced Loading and pH/Reductant Dually Controllable Release. <i>Langmuir</i> , 2007, 23, 6377-6384.	1.6	49
13	Radical Cascade-Triggered Controlled Ring-Opening Polymerization of Macrocyclic Monomers. <i>Journal of the American Chemical Society</i> , 2018, 140, 10402-10406.	6.6	45
14	Radical Ring-Closing/Ring-Opening Cascade Polymerization. <i>Journal of the American Chemical Society</i> , 2019, 141, 12493-12497.	6.6	42
15	Dual-pathway chain-end modification of RAFT polymers using visible light and metal-free conditions. <i>Chemical Communications</i> , 2017, 53, 1888-1891.	2.2	41
16	Analytical Devices Based on Direct Synthesis of DNA on Paper. <i>Analytical Chemistry</i> , 2016, 88, 725-731.	3.2	38
17	A Versatile Approach for In Situ Monitoring of Photoswitches and Photopolymerizations. <i>ChemPhotoChem</i> , 2017, 1, 125-131.	1.5	38
18	Click-Particle Display for Base-Modified Aptamer Discovery. <i>ACS Chemical Biology</i> , 2019, 14, 2652-2662.	1.6	38

#	ARTICLE	IF	CITATIONS
19	Degradable Vinyl Random Copolymers via Photocontrolled Radical Ring-Opening Cascade Copolymerization**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	35
20	Facile Synthesis of Sequence-Regulated Synthetic Polymers Using Orthogonal SuFEx and CuAAC Click Reactions. <i>Angewandte Chemie</i> , 2018, 130, 16426-16431.	1.6	33
21	A General Approach to O-Sulfation by a Sulfur(VI) Fluoride Exchange Reaction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18435-18441.	7.2	31
22	To Adjust Wetting Properties of Organic Surface by In Situ Photoreaction of Aromatic Azide. <i>Langmuir</i> , 2007, 23, 1253-1257.	1.6	27
23	Cascade Reactions in Chain-Growth Polymerization. <i>Macromolecules</i> , 2020, 53, 5655-5673.	2.2	20
24	PET-CRAFT as a facile strategy for preparing functional lipid-polymer conjugates. <i>Journal of Polymer Science Part A</i> , 2018, 56, 1259-1268.	2.5	19
25	Metathesis Cascade-Triggered Depolymerization of Enyne Self-Immolative Polymers**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24800-24805.	7.2	12
26	Degradable Vinyl Random Copolymers via Photocontrolled Radical Ring-Opening Cascade Copolymerization**. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	10
27	A General Approach to O-Sulfation by a Sulfur(VI) Fluoride Exchange Reaction. <i>Angewandte Chemie</i> , 2020, 132, 18593-18599.	1.6	8
28	Electrochemically Triggered Chain Reactions for the Conversion of Furan Derivatives. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7534-7539.	7.2	8
29	Genome editor-directed in vivo library diversification. <i>Cell Chemical Biology</i> , 2021, 28, 1109-1118.	2.5	7
30	Electrochemically Triggered Chain Reactions for the Conversion of Furan Derivatives. <i>Angewandte Chemie</i> , 2021, 133, 7612-7617.	1.6	3
31	Harnessing the power of directed evolution to improve genome editing systems. <i>Current Opinion in Chemical Biology</i> , 2021, 64, 10-19.	2.8	3
32	Click handle-modified 2-deoxy-2-fluoroarabino nucleic acid as a synthetic genetic polymer capable of post-polymerization functionalization. <i>Chemical Science</i> , 2022, 13, 6873-6881.	3.7	2
33	Frontispiece: Electrochemically Triggered Chain Reactions for the Conversion of Furan Derivatives. <i>Angewandte Chemie - International Edition</i> , 2021, 60, .	7.2	1
34	Just a click away. <i>Nature Chemistry</i> , 2021, 13, 820-821.	6.6	1
35	Frontispiz: Electrochemically Triggered Chain Reactions for the Conversion of Furan Derivatives. <i>Angewandte Chemie</i> , 2021, 133, .	1.6	0
36	Metathesis Cascade-Triggered Depolymerization of Enyne Self-Immolative Polymers. <i>Angewandte Chemie</i> , 2021, 133, 25004.	1.6	0

#	ARTICLE	IF	CITATIONS
37	Frontispiece: Metathesis Cascadeâ€Triggered Depolymerization of Enyne Selfâ€Immulative Polymers. Angewandte Chemie - International Edition, 2021, 60, .	7.2	0
38	Frontispiz: Metathesis Cascadeâ€Triggered Depolymerization of Enyne Selfâ€Immulative Polymers. Angewandte Chemie, 2021, 133, .	1.6	0