

# Jiang-Fei Xu

## 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.

80 papers	3,324 citations	32 h-index	56 g-index
86 ext. papers	4,261 ext. citations	9 avg, IF	5.79 L-index

#	Paper	IF	Citations
80	In Situ Hypoxia-Induced Supramolecular Perylene Diimide Radical Anions in Tumors for Photothermal Therapy with Improved Specificity.. <i>Journal of the American Chemical Society</i> , <b>2022</b> ,	16.4	13
79	Supramonomers for controllable supramolecular polymerization and renewable supramolecular polymeric materials. <i>Progress in Polymer Science</i> , <b>2022</b> , 124, 101486	29.6	3
78	Transforming a Fluorochrome to an Efficient Photocatalyst for Oxidative Hydroxylation: A Supramolecular Dimerization Strategy Based on Host-Enhanced Charge Transfer. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 9470-9474	3.6	1
77	Multi-recyclable Shape Memory Supramolecular Polyurea with Long Cycle Life and Superior Stability <b>2021</b> , 3, 331-336		6
76	Transforming a Fluorochrome to an Efficient Photocatalyst for Oxidative Hydroxylation: A Supramolecular Dimerization Strategy Based on Host-Enhanced Charge Transfer. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 9384-9388	16.4	7
75	Fluorescence "Turn-On" Enzyme-Responsive Supra-Amphiphile Fabricated by Host-Guest Recognition between $\beta$ -Cyclodextrin and a Tetraphenylethylene-Sodium Glycyrrhetinate Conjugate. <i>Langmuir</i> , <b>2021</b> , 37, 6062-6068	4	7
74	Kinetically Interlocking Multiple-Units Polymerization of DNA Double Crossover and Its Application in Hydrogel Formation. <i>Macromolecular Rapid Communications</i> , <b>2021</b> , 42, e2100182	4.8	3
73	Super Strong and Multi-Reusable Supramolecular Epoxy Hot Melt Adhesives <b>2021</b> , 3, 1003-1009		13
72	Tumor acidity-induced charge-reversal liposomal doxorubicin with enhanced cancer cell uptake and anticancer activity. <i>Giant</i> , <b>2021</b> , 6, 100052	5.6	5
71	An Activatable Host-Guest Conjugate as a Nanocarrier for Effective Drug Release through Self-Inclusion. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 33962-33968	9.5	3
70	A Self-Degradable Supramolecular Photosensitizer with High Photodynamic Therapeutic Efficiency and Improved Safety. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 706-710	16.4	38
69	Cucurbit[10]uril-Encapsulated Cationic Porphyrins with Enhanced Fluorescence Emission and Photostability for Cell Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 2269-2276	9.5	8
68	Supramolecular Polymeric Radicals: Highly Promoted Formation and Stabilization of Naphthalenediimide Radical Anions. <i>Macromolecular Rapid Communications</i> , <b>2020</b> , 41, e2000080	4.8	2
67	Activatable Photosensitizer for Smart Photodynamic Therapy Triggered by Reactive Oxygen Species in Tumor Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 26982-26990	9.5	26
66	Efficient Fenton Degradation of Perylene Diimide Dye Promoted by a Catalytic Amount of Cucurbit[8]uril. <i>Langmuir</i> , <b>2020</b> , 36, 5954-5959	4	4
65	Charge-reversal surfactant antibiotic material for reducing microbial corrosion in petroleum exploitation and transportation. <i>Science Advances</i> , <b>2020</b> , 6, eaba7524	14.3	5
64	pH/ROS Dual-Responsive Supramolecular Vesicles Fabricated by Carboxylated Pillar[6]arene-Based Host-Guest Recognition and Phenylboronic Acid Pinacol Ester Derivative. <i>Langmuir</i> , <b>2020</b> , 36, 4080-4087 <sup>4</sup>		12

63	Host-Guest Interactions between Oxaliplatin and Cucurbit[7]uril/Cucurbit[7]uril Derivatives under Pseudo-Physiological Conditions. <i>Langmuir</i> , <b>2020</b> , 36, 1235-1240	4	14
62	Supramolecular Peptide Therapeutics: Host-Guest Interaction-Assisted Systemic Delivery of Anticancer Peptides. <i>CCS Chemistry</i> , <b>2020</b> , 2, 739-748	7.2	26
61	Tuning the stability of organic radicals: from covalent approaches to non-covalent approaches. <i>Chemical Science</i> , <b>2020</b> , 11, 1192-1204	9.4	59
60	Tough and Multi-Recyclable Cross-Linked Supramolecular Polyureas via Incorporating Noncovalent Bonds into Main-Chains. <i>Advanced Materials</i> , <b>2020</b> , 32, e2000096	24	67
59	Cucurbit[n]urils for Supramolecular Catalysis. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 15446-15460	4.8	18
58	Supramolecular polymer chemistry: From structural control to functional assembly. <i>Progress in Polymer Science</i> , <b>2020</b> , 100, 101167	29.6	57
57	Targeting the Cell Membrane by Charge-Reversal Amphiphilic Pillar[5]arene for the Selective Killing of Cancer Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 38497-38502	9.5	30
56	Supramolecular Switching Surface for Antifouling and Bactericidal Activities.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 638-643	4.1	10
55	Supramolecular Emulsion Interfacial Polymerization. <i>ACS Macro Letters</i> , <b>2019</b> , 8, 177-182	6.6	19
54	Molecular engineering of polymeric supra-amphiphiles. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 989-1003	58.5	61
53	Degradable Supramolecular Photodynamic Polymer Materials for Biofilm Elimination.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 2920-2926	4.1	16
52	Antibacterial supramolecular polymers constructed via self-sorting: promoting antibacterial performance and controllable degradation. <i>Materials Chemistry Frontiers</i> , <b>2019</b> , 3, 806-811	7.8	12
51	A Supramolecular Radical Dimer: High-Efficiency NIR-II Photothermal Conversion and Therapy. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 15526-15531	16.4	97
50	A Supramolecular Radical Dimer: High-Efficiency NIR-II Photothermal Conversion and Therapy. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 15672-15677	3.6	29
49	Dissipative Supramolecular Polymerization Powered by Light. <i>CCS Chemistry</i> , <b>2019</b> , 1, 335-342	7.2	54
48	Cucurbit[7]uril promoted Fenton oxidation by modulating the redox property of catalysts. <i>Chemical Communications</i> , <b>2019</b> , 55, 14127-14130	5.8	10
47	Fabrication of nor-seco-cucurbit[10]uril based supramolecular polymers via self-sorting. <i>Chemical Communications</i> , <b>2019</b> , 55, 13836-13839	5.8	9
46	Supramolecular polymeric chemotherapy based on cucurbit[7]uril-PEG copolymer. <i>Biomaterials</i> , <b>2018</b> , 178, 697-705	15.6	49

45	Highly Efficient Supramolecular Catalysis by Endowing the Reaction Intermediate with Adaptive Reactivity. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 6185-6189	3.6	8
44	Highly Efficient Supramolecular Catalysis by Endowing the Reaction Intermediate with Adaptive Reactivity. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 6077-6081	16.4	27
43	Supramolecular Interfacial Polymerization of Miscible Monomers: Fabricating Supramolecular Polymers with Tailor-Made Structures. <i>Macromolecules</i> , <b>2018</b> , 51, 1620-1625	5.5	21
42	Supramolecular Chemotherapy: Carboxylated Pillar[6]arene for Decreasing Cytotoxicity of Oxaliplatin to Normal Cells and Improving Its Anticancer Bioactivity Against Colorectal Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 5365-5372	9.5	62
41	Cross-linked supramolecular polymers synthesized by photo-initiated thiol-ene click reaction of supramonomers. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 355, 414-418	4.7	8
40	Supramolecularly Catalyzed Polymerization: From Consecutive Dimerization to Polymerization. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 8545-8549	16.4	63
39	pH-Induced Charge-Reversal Amphiphile with Cancer Cell-Selective Membrane-Disrupting Activity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 21191-21197	9.5	24
38	Precise nanomedicine for intelligent therapy of cancer. <i>Science China Chemistry</i> , <b>2018</b> , 61, 1503-1552	7.9	256
37	A supramolecular radical cation: folding-enhanced electrostatic effect for promoting radical-mediated oxidation. <i>Chemical Science</i> , <b>2018</b> , 9, 5015-5020	9.4	16
36	Supramolecularly Catalyzed Polymerization: From Consecutive Dimerization to Polymerization. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 8681-8685	3.6	11
35	Supramolecular Chemotherapy: Cooperative Enhancement of Antitumor Activity by Combining Controlled Release of Oxaliplatin and Consuming of Spermine by Cucurbit[7]uril. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 8602-8608	9.5	115
34	Supramolecular Porphyrin Photosensitizers: Controllable Disguise and Photoinduced Activation of Antibacterial Behavior. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 13950-13957	9.5	89
33	Supramolecular Interfacial Polymerization: A Controllable Method of Fabricating Supramolecular Polymeric Materials. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 7639-7643	16.4	76
32	Supramolecular Interfacial Polymerization: A Controllable Method of Fabricating Supramolecular Polymeric Materials. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 7747-7751	3.6	19
31	Host-Guest Interaction between Corona[n]arene and Bisquaternary Ammonium Derivatives for Fabricating Supra-Amphiphile. <i>Langmuir</i> , <b>2017</b> , 33, 5829-5834	4	14
30	Visible-Light Photoinduced Electron Transfer Promoted by Cucurbit[8]uril-Enhanced Charge Transfer Interaction: Toward Improved Activity of Photocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 22635-22640	9.5	26
29	Supramolecular Hydrogels Fabricated from Supramonomers: A Novel Wound Dressing Material. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 11368-11372	9.5	99
28	Supramolecular catalyst functions in catalytic amount: cucurbit[8]uril accelerates the photodimerization of Brooker's merocyanine. <i>Chemical Science</i> , <b>2017</b> , 8, 8357-8361	9.4	60

27	Supramolecular Polymerization from Controllable Fabrication to Living Polymerization. <i>Macromolecular Rapid Communications</i> , <b>2017</b> , 38, 1700312	4.8	32
26	Supramolecular Radical Anions Triggered by Bacteria In Situ for Selective Photothermal Therapy. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 16457-16460	3.6	26
25	Supramolecular Polymerization Controlled through Kinetic Trapping. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 16802-16805	3.6	13
24	Supramolecular Radical Anions Triggered by Bacteria In Situ for Selective Photothermal Therapy. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 16239-16242	16.4	171
23	Supramolecular Polymerization Controlled through Kinetic Trapping. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 16575-16578	16.4	46
22	Polymerization of supramonomers: A new way for fabricating supramolecular polymers and materials. <i>Journal of Polymer Science Part A</i> , <b>2017</b> , 55, 604-609	2.5	23
21	Cytotoxicity Regulated by Host-Guest Interactions: A Supramolecular Strategy to Realize Controlled Disguise and Exposure. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 22780-4	9.5	62
20	Supramolecular Microgels Fabricated from Supramonomers. <i>ACS Macro Letters</i> , <b>2016</b> , 5, 1084-1088	6.6	23
19	Controllable supramolecular polymerization through self-sorting of aliphatic and aromatic motifs. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 1397-1404	4.9	32
18	Synthesis of a disulfide-bridged bispillar[5]arene and its application in supramolecular polymers. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 2057-2061	4.9	27
17	Photo-responsive supramolecular polymers synthesized by olefin metathesis polymerization from supramonomers. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 2333-2336	4.9	33
16	Pillar[6]arene Containing Multilayer Films: Reversible Uptake and Release of Guest Molecules with Methyl Viologen Moieties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 3679-85	9.5	39
15	A Supramolecularly Activated Radical Cation for Accelerated Catalytic Oxidation. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 8933-7	16.4	57
14	Supramolecular Chemistry of Cucurbiturils: Tuning Cooperativity with Multiple Noncovalent Interactions from Positive to Negative. <i>Langmuir</i> , <b>2016</b> , 32, 12352-12360	4	59
13	A Supramolecularly Activated Radical Cation for Accelerated Catalytic Oxidation. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 9079-9083	3.6	16
12	Controllable Supramolecular Polymerization Promoted by Host-Enhanced Photodimerization. <i>ACS Macro Letters</i> , <b>2016</b> , 5, 1397-1401	6.6	33
11	How to Make Weak Noncovalent Interactions Stronger. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 11938-48	4.8	34
10	Supramolecular Polymerization Controlled by Reversible Conformational Modulation. <i>ACS Macro Letters</i> , <b>2015</b> , 4, 1410-1414	6.6	25

9	Water-dispersible nanospheres of hydrogen-bonded supramolecular polymers and their application for mimicking light-harvesting systems. <i>Chemical Communications</i> , <b>2014</b> , 50, 1334-7	5.8	92
8	Photoresponsive supramolecular self-assembly of monofunctionalized pillar[5]arene based on stiff stilbene. <i>Chemical Communications</i> , <b>2014</b> , 50, 7001-3	5.8	83
7	Hydrogen bonding directed self-assembly of small-molecule amphiphiles in water. <i>Organic Letters</i> , <b>2014</b> , 16, 4016-9	6.2	32
6	Synthesis of a photoresponsive cryptand and its complexations with paraquat and 2,7-diazapyrenium. <i>Organic Letters</i> , <b>2014</b> , 16, 684-7	6.2	46
5	Photoinduced transformations of stiff-stilbene-based discrete metallacycles to metallosupramolecular polymers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 8717-22	11.5	110
4	Photoresponsive hydrogen-bonded supramolecular polymers based on a stiff stilbene unit. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 9738-42	16.4	177
3	Dynamic covalent bond based on reversible photo [4 + 4] cycloaddition of anthracene for construction of double-dynamic polymers. <i>Organic Letters</i> , <b>2013</b> , 15, 6148-51	6.2	206
2	Photoresponsive Hydrogen-Bonded Supramolecular Polymers Based on a Stiff Stilbene Unit. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 9920-9924	3.6	30
1	Supramolecular Polymerization Powered by E. coli : Fabricating an NIR Photothermal Antibacterial Agent in situ. <i>CCS Chemistry</i> , 1-33	7.2	4