Jiang-Fei Xu

List of Publications by Citations

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	Precise nanomedicine for intelligent therapy of cancer. *Science China Chemistry*, **2018**, 61, 1503-1552	7.9	256
79	Dynamic covalent bond based on reversible photo [4 + 4] cycloaddition of anthracene for construction of double-dynamic polymers. *Organic Letters*, **2013**, 15, 6148-51	6.2	206
78	Photoresponsive hydrogen-bonded supramolecular polymers based on a stiff stilbene unit. *Angewandte Chemie - International Edition*, **2013**, 52, 9738-42	16.4	177
77	Supramolecular Radical Anions Triggered by Bacteria In Situ for Selective Photothermal Therapy. *Angewandte Chemie - International Edition*, **2017**, 56, 16239-16242	16.4	171
76	Supramolecular Chemotherapy: Cooperative Enhancement of Antitumor Activity by Combining Controlled Release of Oxaliplatin and Consuming of Spermine by Cucurbit[7]uril. *ACS Applied Materials & Interfaces*, **2017**, 9, 8602-8608	9.5	115
75	Photoinduced transformations of stiff-stilbene-based discrete metallacycles to metallosupramolecular polymers. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 8717-22	11.5	110
74	Supramolecular Hydrogels Fabricated from Supramonomers: A Novel Wound Dressing Material. *ACS Applied Materials & Interfaces*, **2017**, 9, 11368-11372	9.5	99
73	A Supramolecular Radical Dimer: High-Efficiency NIR-II Photothermal Conversion and Therapy. *Angewandte Chemie - International Edition*, **2019**, 58, 15526-15531	16.4	97
72	Water-dispersible nanospheres of hydrogen-bonded supramolecular polymers and their application for mimicking light-harvesting systems. *Chemical Communications*, **2014**, 50, 1334-7	5.8	92
71	Supramolecular Porphyrin Photosensitizers: Controllable Disguise and Photoinduced Activation of Antibacterial Behavior. *ACS Applied Materials & Interfaces*, **2017**, 9, 13950-13957	9.5	89
70	Photoresponsive supramolecular self-assembly of monofunctionalized pillar[5]arene based on stiff stilbene. *Chemical Communications*, **2014**, 50, 7001-3	5.8	83
69	Supramolecular Interfacial Polymerization: A Controllable Method of Fabricating Supramolecular Polymeric Materials. *Angewandte Chemie - International Edition*, **2017**, 56, 7639-7643	16.4	76
68	Tough and Multi-Recyclable Cross-Linked Supramolecular Polyureas via Incorporating Noncovalent Bonds into Main-Chains. *Advanced Materials*, **2020**, 32, e2000096	24	67
67	Supramolecularly Catalyzed Polymerization: From Consecutive Dimerization to Polymerization. *Angewandte Chemie - International Edition*, **2018**, 57, 8545-8549	16.4	63
66	Supramolecular Chemotherapy: Carboxylated Pillar[6]arene for Decreasing Cytotoxicity of Oxaliplatin to Normal Cells and Improving Its Anticancer Bioactivity Against Colorectal Cancer. *ACS Applied Materials & Interfaces*, **2018**, 10, 5365-5372	9.5	62
65	Cytotoxicity Regulated by Host-Guest Interactions: A Supramolecular Strategy to Realize Controlled Disguise and Exposure. *ACS Applied Materials & Interfaces*, **2016**, 8, 22780-4	9.5	62
64	Molecular engineering of polymeric supra-amphiphiles. *Chemical Society Reviews*, **2019**, 48, 989-1003	58.5	61

63	Supramolecular catalyst functions in catalytic amount: cucurbit[8]uril accelerates the photodimerization of Brooker's merocyanine. *Chemical Science*, **2017**, 8, 8357-8361	9.4	60
62	Tuning the stability of organic radicals: from covalent approaches to non-covalent approaches. *Chemical Science*, **2020**, 11, 1192-1204	9.4	59
61	Supramolecular Chemistry of Cucurbiturils: Tuning Cooperativity with Multiple Noncovalent Interactions from Positive to Negative. *Langmuir*, **2016**, 32, 12352-12360	4	59
60	A Supramolecularly Activated Radical Cation for Accelerated Catalytic Oxidation. *Angewandte Chemie - International Edition*, **2016**, 55, 8933-7	16.4	57
59	Supramolecular polymer chemistry: From structural control to functional assembly. *Progress in Polymer Science*, **2020**, 100, 101167	29.6	57
58	Dissipative Supramolecular Polymerization Powered by Light. *CCS Chemistry*, **2019**, 1, 335-342	7.2	54
57	Supramolecular polymeric chemotherapy based on cucurbit[7]uril-PEG copolymer. *Biomaterials*, **2018**, 178, 697-705	15.6	49
56	Synthesis of a photoresponsive cryptand and its complexations with paraquat and 2,7-diazapyrenium. *Organic Letters*, **2014**, 16, 684-7	6.2	46
55	Supramolecular Polymerization Controlled through Kinetic Trapping. *Angewandte Chemie - International Edition*, **2017**, 56, 16575-16578	16.4	46
54	Pillar[6]arene Containing Multilayer Films: Reversible Uptake and Release of Guest Molecules with Methyl Viologen Moieties. *ACS Applied Materials & Interfaces*, **2016**, 8, 3679-85	9.5	39
53	A Self-Degradable Supramolecular Photosensitizer with High Photodynamic Therapeutic Efficiency and Improved Safety. *Angewandte Chemie - International Edition*, **2021**, 60, 706-710	16.4	38
52	How to Make Weak Noncovalent Interactions Stronger. *Chemistry - A European Journal*, **2015**, 21, 11938-46	4.8	34
51	Photo-responsive supramolecular polymers synthesized by olefin metathesis polymerization from supramonomers. *Polymer Chemistry*, **2016**, 7, 2333-2336	4.9	33
50	Controllable Supramolecular Polymerization Promoted by Host-Enhanced Photodimerization. *ACS Macro Letters*, **2016**, 5, 1397-1401	6.6	33
49	Controllable supramolecular polymerization through self-sorting of aliphatic and aromatic motifs. *Polymer Chemistry*, **2016**, 7, 1397-1404	4.9	32
48	Hydrogen bonding directed self-assembly of small-molecule amphiphiles in water. *Organic Letters*, **2014**, 16, 4016-9	6.2	32
47	Supramolecular Polymerization from Controllable Fabrication to Living Polymerization. *Macromolecular Rapid Communications*, **2017**, 38, 1700312	4.8	32
46	Targeting the Cell Membrane by Charge-Reversal Amphiphilic Pillar[5]arene for the Selective Killing of Cancer Cells. *ACS Applied Materials & Interfaces*, **2019**, 11, 38497-38502	9.5	30

45	Photoresponsive Hydrogen-Bonded Supramolecular Polymers Based on a Stiff Stilbene Unit. *Angewandte Chemie*, **2013**, 125, 9920-9924	3.6	30
44	A Supramolecular Radical Dimer: High-Efficiency NIR-II Photothermal Conversion and Therapy. *Angewandte Chemie*, **2019**, 131, 15672-15677	3.6	29
43	Highly Efficient Supramolecular Catalysis by Endowing the Reaction Intermediate with Adaptive Reactivity. *Angewandte Chemie - International Edition*, **2018**, 57, 6077-6081	16.4	27
42	Synthesis of a disulfide-bridged bispillar[5]arene and its application in supramolecular polymers. *Polymer Chemistry*, **2016**, 7, 2057-2061	4.9	27
41	Visible-Light Photoinduced Electron Transfer Promoted by Cucurbit[8]uril-Enhanced Charge Transfer Interaction: Toward Improved Activity of Photocatalysis. *ACS Applied Materials & Interfaces*, **2017**, 9, 22635-22640	9.5	26
40	Activatable Photosensitizer for Smart Photodynamic Therapy Triggered by Reactive Oxygen Species in Tumor Cells. *ACS Applied Materials & Interfaces*, **2020**, 12, 26982-26990	9.5	26
39	Supramolecular Radical Anions Triggered by Bacteria In Situ for Selective Photothermal Therapy. *Angewandte Chemie*, **2017**, 129, 16457-16460	3.6	26
38	Supramolecular Peptide Therapeutics: Host□Guest Interaction-Assisted Systemic Delivery of Anticancer Peptides. *CCS Chemistry*, **2020**, 2, 739-748	7.2	26
37	Supramolecular Polymerization Controlled by Reversible Conformational Modulation. *ACS Macro Letters*, **2015**, 4, 1410-1414	6.6	25
36	pH-Induced Charge-Reversal Amphiphile with Cancer Cell-Selective Membrane-Disrupting Activity. *ACS Applied Materials & Interfaces*, **2018**, 10, 21191-21197	9.5	24
35	Supramolecular Microgels Fabricated from Supramonomers. *ACS Macro Letters*, **2016**, 5, 1084-1088	6.6	23
34	Polymerization of supramonomers: A new way for fabricating supramolecular polymers and materials. *Journal of Polymer Science Part A*, **2017**, 55, 604-609	2.5	23
33	Supramolecular Interfacial Polymerization of Miscible Monomers: Fabricating Supramolecular Polymers with Tailor-Made Structures. *Macromolecules*, **2018**, 51, 1620-1625	5.5	21
32	Supramolecular Interfacial Polymerization: A Controllable Method of Fabricating Supramolecular Polymeric Materials. *Angewandte Chemie*, **2017**, 129, 7747-7751	3.6	19
31	Supramolecular Emulsion Interfacial Polymerization. *ACS Macro Letters*, **2019**, 8, 177-182	6.6	19
30	Cucurbit[n]urils for Supramolecular Catalysis. *Chemistry - A European Journal*, **2020**, 26, 15446-15460	4.8	18
29	Degradable Supramolecular Photodynamic Polymer Materials for Biofilm Elimination.. *ACS Applied Bio Materials*, **2019**, 2, 2920-2926	4.1	16
28	A Supramolecularly Activated Radical Cation for Accelerated Catalytic Oxidation. *Angewandte Chemie*, **2016**, 128, 9079-9083	3.6	16

27	A supramolecular radical cation: folding-enhanced electrostatic effect for promoting radical-mediated oxidation. *Chemical Science*, **2018**, 9, 5015-5020	9.4	16
26	Host-Guest Interaction between Corona[n]arene and Bisquaternary Ammonium Derivatives for Fabricating Supra-Amphiphile. *Langmuir*, **2017**, 33, 5829-5834	4	14
25	Host-Guest Interactions between Oxaliplatin and Cucurbit[7]uril/Cucurbit[7]uril Derivatives under Pseudo-Physiological Conditions. *Langmuir*, **2020**, 36, 1235-1240	4	14
24	Supramolecular Polymerization Controlled through Kinetic Trapping. *Angewandte Chemie*, **2017**, 129, 16802-16805	3.6	13
23	In Situ Hypoxia-Induced Supramolecular Perylene Diimide Radical Anions in Tumors for Photothermal Therapy with Improved Specificity.. *Journal of the American Chemical Society*, **2022**,	16.4	13
22	Super Strong and Multi-Reusable Supramolecular Epoxy Hot Melt Adhesives **2021**, 3, 1003-1009		13
21	Antibacterial supramolecular polymers constructed via self-sorting: promoting antibacterial performance and controllable degradation. *Materials Chemistry Frontiers*, **2019**, 3, 806-811	7.8	12
20	pH/ROS Dual-Responsive Supramolecular Vesicles Fabricated by Carboxylated Pillar[6]arene-Based Host-Guest Recognition and Phenylboronic Acid Pinacol Ester Derivative. *Langmuir*, **2020**, 36, 4080-4087	4	12
19	Supramolecularly Catalyzed Polymerization: From Consecutive Dimerization to Polymerization. *Angewandte Chemie*, **2018**, 130, 8681-8685	3.6	11
18	Supramolecular Switching Surface for Antifouling and Bactericidal Activities.. *ACS Applied Bio Materials*, **2019**, 2, 638-643	4.1	10
17	Cucurbit[7]uril promoted Fenton oxidation by modulating the redox property of catalysts. *Chemical Communications*, **2019**, 55, 14127-14130	5.8	10
16	Fabrication of nor-seco-cucurbit[10]uril based supramolecular polymers via self-sorting. *Chemical Communications*, **2019**, 55, 13836-13839	5.8	9
15	Highly Efficient Supramolecular Catalysis by Endowing the Reaction Intermediate with Adaptive Reactivity. *Angewandte Chemie*, **2018**, 130, 6185-6189	3.6	8
14	Cross-linked supramolecular polymers synthesized by photo-initiated thiol-ene click reaction of supramonomers. *Journal of Photochemistry and Photobiology A: Chemistry*, **2018**, 355, 414-418	4.7	8
13	Cucurbit[10]uril-Encapsulated Cationic Porphyrins with Enhanced Fluorescence Emission and Photostability for Cell Imaging. *ACS Applied Materials & Interfaces*, **2021**, 13, 2269-2276	9.5	8
12	Transforming a Fluorochrome to an Efficient Photocatalyst for Oxidative Hydroxylation: A Supramolecular Dimerization Strategy Based on Host-Enhanced Charge Transfer. *Angewandte Chemie - International Edition*, **2021**, 60, 9384-9388	16.4	7
11	Fluorescence "Turn-On" Enzyme-Responsive Supra-Amphiphile Fabricated by Host-Guest Recognition between β-Cyclodextrin and a Tetraphenylethylene-Sodium Glycyrrhetinate Conjugate. *Langmuir*, **2021**, 37, 6062-6068	4	7
10	Multi-recyclable Shape Memory Supramolecular Polyurea with Long Cycle Life and Superior Stability **2021**, 3, 331-336		6

9	Charge-reversal surfactant antibiotic material for reducing microbial corrosion in petroleum exploitation and transportation. *Science Advances*, **2020**, 6, eaba7524	14.3	5
8	Tumor acidity-induced charge-reversal liposomal doxorubicin with enhanced cancer cell uptake and anticancer activity. *Giant*, **2021**, 6, 100052	5.6	5
7	Efficient Fenton Degradation of Perylene Diimide Dye Promoted by a Catalytic Amount of Cucurbit[8]uril. *Langmuir*, **2020**, 36, 5954-5959	4	4
6	Supramolecular Polymerization Powered by E. coli : Fabricating an NIR Photothermal Antibacterial Agent in situ. *CCS Chemistry*,1-33	7.2	4
5	Supramonomers for controllable supramolecular polymerization and renewable supramolecular polymeric materials. *Progress in Polymer Science*, **2022**, 124, 101486	29.6	3
4	Kinetically Interlocking Multiple-Units Polymerization of DNA Double Crossover and Its Application in Hydrogel Formation. *Macromolecular Rapid Communications*, **2021**, 42, e2100182	4.8	3
3	An Activatable Host-Guest Conjugate as a Nanocarrier for Effective Drug Release through Self-Inclusion. *ACS Applied Materials & Interfaces*, **2021**, 13, 33962-33968	9.5	3
2	Supramolecular Polymeric Radicals: Highly Promoted Formation and Stabilization of Naphthalenediimide Radical Anions. *Macromolecular Rapid Communications*, **2020**, 41, e2000080	4.8	2
1	Transforming a Fluorochrome to an Efficient Photocatalyst for Oxidative Hydroxylation: A Supramolecular Dimerization Strategy Based on Host-Enhanced Charge Transfer. *Angewandte Chemie*, **2021**, 133, 9470-9474	3.6	1