

Ji Liu

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.

114
papers

4,275
citations

37
h-index

63
g-index

124
ext. papers

5,636
ext. citations

10.8
avg, IF

6.15
L-index

#	Paper	IF	Citations
114	Microfluidic encapsulation of supramolecular optical chemosensors for high-throughput analysis and screening. <i>Sensors and Actuators B: Chemical</i> , 2022 , 355, 131302	8.5	0
113	Bioinspired 2D Isotropically Fatigue-Resistant Hydrogels (Adv. Mater. 8/2022). <i>Advanced Materials</i> , 2022 , 34, 2270064	24	1
112	Bioinspired 2D Isotropically Fatigue-Resistant Hydrogels. <i>Advanced Materials</i> , 2021 , e2107106	24	9
111	Tetraphenylethylene-Featured Fluorescent Supramolecular Nanoparticles for Intracellular Trafficking of Protein Delivery and Neuroprotection. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 26740-26746	16.4	1
110	A Covalent Black Phosphorus/Metal-Organic Framework Hetero-nanostructure for High-Performance Flexible Supercapacitors. <i>Angewandte Chemie</i> , 2021 , 133, 10454-10462	3.6	3
109	A Covalent Black Phosphorus/Metal-Organic Framework Hetero-nanostructure for High-Performance Flexible Supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 10366-10374	16.4	32
108	Emerging Applications of 3D Printing in Biomanufacturing. <i>Trends in Biotechnology</i> , 2021 , 39, 1114-1116	15.1	3
107	Material-mediated cell immobilization technology in the biological fermentation proces. <i>Biofuels, Bioproducts and Biorefining</i> , 2021 , 15, 1160	5.3	4
106	Sub-5 nm single crystalline organic p-n heterojunctions. <i>Nature Communications</i> , 2021 , 12, 2774	17.4	20
105	Mechanically Robust and UV-Curable Shape-Memory Polymers for Digital Light Processing Based 4D Printing. <i>Advanced Materials</i> , 2021 , 33, e2101298	24	38
104	Droplet-based microfluidic screening and sorting of microalgal populations for strain engineering applications. <i>Algal Research</i> , 2021 , 56, None	5	5
103	Anisotropically Fatigue-Resistant Hydrogels. <i>Advanced Materials</i> , 2021 , 33, e2102011	24	33
102	Spatially and Reversibly Actuating Soft Gel Structure by Harnessing Multimode Elastic Instabilities. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 36361-36369	9.5	1
101	Shape-Memory Polymers: Mechanically Robust and UV-Curable Shape-Memory Polymers for Digital Light Processing Based 4D Printing (Adv. Mater. 27/2021). <i>Advanced Materials</i> , 2021 , 33, 2170210	24	
100	DNAzyme-Catalyzed Cellular Oxidative Stress Amplification for Pro-protein Activation in Living Cells. <i>ChemBioChem</i> , 2021 , 22, 2608-2613	3.8	0
99	Microdroplets confined assembly of opal composites in dynamic borate ester-based networks. <i>Chemical Engineering Journal</i> , 2021 , 426, 127581	14.7	3
98	Sessile Microdroplet-Based Writing Board for Patterning of Structural Colored Hydrogels. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001201	4.6	1

97	Hierarchical Self-assembly of Discrete Metal-Organic Cages into Supramolecular Nanoparticles for Intracellular Protein Delivery. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 5429-5435	16.4	33
96	Biaxially Morphing Droplet Shape by an Active Surface. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001199	4.6	3
95	Photonic Plasticines with Uniform Structural Colors, High Processability, and Self-Healing Properties. <i>Small</i> , 2021 , 17, e2007426	11	10
94	3D printing of highly stretchable hydrogel with diverse UV curable polymers. <i>Science Advances</i> , 2021 , 7,	14.3	70
93	Trigger-Detachable Hydrogel Adhesives for Bioelectronic Interfaces. <i>Advanced Functional Materials</i> , 2021 , 31, 2106446	15.6	18
92	In-Situ Encapsulation of Protein into Nanoscale Hydrogen-Bonded Organic Frameworks for Intracellular Biocatalysis. <i>Angewandte Chemie</i> , 2021 , 133, 22489-22495	3.6	1
91	One-step synthesis of nitrogen-doped multi-emission carbon dots and their fluorescent sensing in HClO and cellular imaging. <i>Mikrochimica Acta</i> , 2021 , 188, 330	5.8	2
90	In-Situ Encapsulation of Protein into Nanoscale Hydrogen-Bonded Organic Frameworks for Intracellular Biocatalysis. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 22315-22321	16.4	8
89	Droplet microfluidics on analysis of pathogenic microbes for wastewater-based epidemiology. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 143, 116333	14.6	4
88	Hierarchical Self-assembly of Discrete Metal-Organic Cages into Supramolecular Nanoparticles for Intracellular Protein Delivery. <i>Angewandte Chemie</i> , 2021 , 133, 5489-5495	3.6	10
87	3D Printed Biocatalytic Living Materials with Dual-Network Reinforced Bioinks. <i>Small</i> , 2021 , e2104820	11	4
86	Viscoelastic Hydrogel Microfibers Exploiting Cucurbit[8]uril Host-Guest Chemistry and Microfluidics. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 17929-17935	9.5	10
85	Spatially Controlled Supramolecular Polymerization of Peptide Nanotubes by Microfluidics. <i>Angewandte Chemie</i> , 2020 , 132, 6969-6975	3.6	7
84	Fatigue-resistant adhesion of hydrogels. <i>Nature Communications</i> , 2020 , 11, 1071	17.4	80
83	Hydrogel machines. <i>Materials Today</i> , 2020 , 36, 102-124	21.8	268
82	Spatially Controlled Supramolecular Polymerization of Peptide Nanotubes by Microfluidics. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 6902-6908	16.4	17
81	Acoustic-Controlled Bubble Generation and Fabrication of 3D Polymer Porous Materials. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 22318-22326	9.5	10
80	Influence of treating parameters on thermomechanical properties of recycled epoxy-acid vitrimers. <i>Soft Matter</i> , 2020 , 16, 1668-1677	3.6	12

79	Granular hydrogels for 3D bioprinting applications. <i>View</i> , 2020 , 1, 20200060	7.8	10
78	Dynamic intermolecular interactions through hydrogen bonding of water promote heat conduction in hydrogels. <i>Materials Horizons</i> , 2020 , 7, 2936-2943	14.4	14
77	Construction of core-shell microcapsules focused surface acoustic wave microfluidics. <i>Lab on A Chip</i> , 2020 , 20, 3104-3108	7.2	4
76	Large-scale colloidal films with robust structural colors. <i>Materials Horizons</i> , 2019 , 6, 90-96	14.4	77
75	Ingestible hydrogel device. <i>Nature Communications</i> , 2019 , 10, 493	17.4	97
74	Anti-fatigue-fracture hydrogels. <i>Science Advances</i> , 2019 , 5, eaau8528	14.3	155
73	Selective RNA interference and gene silencing using reactive oxygen species-responsive lipid nanoparticles. <i>Chemical Communications</i> , 2019 , 55, 8170-8173	5.8	8
72	Fast and Efficient CRISPR/Cas9 Genome Editing In Vivo Enabled by Bioreducible Lipid and Messenger RNA Nanoparticles. <i>Advanced Materials</i> , 2019 , 31, e1902575	24	140
71	Bioinspired hydrogel microfibrils colour-encoded with colloidal crystals. <i>Materials Horizons</i> , 2019 , 6, 1938-1943	14.3	13
70	Polymeric raspberry-like particles via template-assisted polymerisation. <i>Polymer Chemistry</i> , 2019 , 10, 3772-3777	4.9	7
69	Muscle-like fatigue-resistant hydrogels by mechanical training. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 10244-10249	11.5	157
68	Emerging Two-Dimensional Crystallization of Cucurbit[8]uril Complexes: From Supramolecular Polymers to Nanofibers. <i>Journal of the American Chemical Society</i> , 2019 , 141, 14021-14025	16.4	22
67	Spherical Colloidal Photonic Crystals with Selected Lattice Plane Exposure and Enhanced Color Saturation for Dynamic Optical Displays. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 42629-42634	9.5	25
66	Visible-Light Facilitated Fluorescence Switch-On Labelling of 5-Formylpyrimidine RNA. <i>Advanced Synthesis and Catalysis</i> , 2019 , 361, 5406-5411	5.6	6
65	Displacement Induced Off-On Fluorescent Biosensor Targeting IDO1 Activity in Live Cells. <i>Analytical Chemistry</i> , 2019 , 91, 14943-14950	7.8	7
64	Cucurbit[8]uril-Regulated Colloidal Dispersions Exhibiting Photocontrolled Rheological Behavior. <i>Small</i> , 2018 , 14, e1703352	11	8
63	Dynamic Interfacial Adhesion through Cucurbit[n]uril Molecular Recognition. <i>Angewandte Chemie</i> , 2018 , 130, 8992-8996	3.6	20
62	Cucurbit[n]uril Supramolecular Hydrogel Networks as Tough and Healable Adhesives. <i>Advanced Functional Materials</i> , 2018 , 28, 1800848	15.6	67

61	Dynamic Interfacial Adhesion through Cucurbit[n]uril Molecular Recognition. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8854-8858	16.4	51
60	Supramolecular Nested Microbeads as Building Blocks for Macroscopic Self-Healing Scaffolds. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3079-3083	16.4	43
59	Patterned Arrays of Supramolecular Microcapsules. <i>Advanced Functional Materials</i> , 2018 , 28, 1800550	15.6	24
58	Supramolecular Nested Microbeads as Building Blocks for Macroscopic Self-Healing Scaffolds. <i>Angewandte Chemie</i> , 2018 , 130, 3133-3137	3.6	6
57	Cucurbit[7]uril-based high-performance catalytic microreactors. <i>Nanoscale</i> , 2018 , 10, 14835-14839	7.7	4
56	Structural Design of Robust and Biocompatible Photonic Hydrogels from an In Situ Cross-Linked Hyperbranched Polymer System. <i>Chemistry of Materials</i> , 2018 , 30, 6091-6098	9.6	10
55	Controlling Spatiotemporal Mechanics of Supramolecular Hydrogel Networks with Highly Branched Cucurbit[8]uril Polyrotaxanes. <i>Advanced Functional Materials</i> , 2018 , 28, 1702994	15.6	41
54	Single-Cell Analysis Identifies Thymic Maturation Delay in Growth-Restricted Neonatal Mice. <i>Frontiers in Immunology</i> , 2018 , 9, 2523	8.4	3
53	Unexpected stability of aqueous dispersions of raspberry-like colloids. <i>Nature Communications</i> , 2018 , 9, 3614	17.4	35
52	Supramolecularly Engineered Circular Bivalent Aptamer for Enhanced Functional Protein Delivery. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6780-6784	16.4	64
51	Biomimetic Supramolecular Fibers Exhibit Water-Induced Supercontraction. <i>Advanced Materials</i> , 2018 , 30, e1707169	24	31
50	Droplet-based microfluidic analysis and screening of single plant cells. <i>PLoS ONE</i> , 2018 , 13, e0196810	3.7	16
49	Cucurbit[n]uril-Based Microcapsules Self-Assembled within Microfluidic Droplets: A Versatile Approach for Supramolecular Architectures and Materials. <i>Accounts of Chemical Research</i> , 2017 , 50, 208-217	24.3	143
48	Biomimetic Supramolecular Polymer Networks Exhibiting both Toughness and Self-Recovery. <i>Advanced Materials</i> , 2017 , 29, 1604951	24	148
47	Breath figure lithography for the construction of a hierarchical structure in sponges and their applications to oil/water separation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16369-16375	13	38
46	Toward a versatile toolbox for cucurbit[]uril-based supramolecular hydrogel networks through polymerization. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 3105-3109	2.5	12
45	Tough Supramolecular Polymer Networks with Extreme Stretchability and Fast Room-Temperature Self-Healing. <i>Advanced Materials</i> , 2017 , 29, 1605325	24	234
44	High-Performance Wearable Micro-Supercapacitors Based on Microfluidic-Directed Nitrogen-Doped Graphene Fiber Electrodes. <i>Advanced Functional Materials</i> , 2017 , 27, 1702493	15.6	114

43	Bioinspired supramolecular fibers drawn from a multiphase self-assembled hydrogel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 8163-8168	11.5	76
42	Distinguishing relaxation dynamics in transiently crosslinked polymeric networks. <i>Polymer Chemistry</i> , 2017 , 8, 5336-5343	4.9	35
41	Surface-Bound Cucurbit[8]uril Catenanes on Magnetic Nanoparticles Exhibiting Molecular Recognition. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 2382-6	4.5	13
40	Microfluidic Droplet-Facilitated Hierarchical Assembly for Dual Cargo Loading and Synergistic Delivery. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 8811-20	9.5	24
39	Aqueous Polymer Self-Assembly Based on Cucurbit[n]uril-Mediated Host-Guest Interactions. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 319-332	2.6	42
38	Online Handwritten Mongolian Word Recognition Using MWRCNN and Position Maps 2016 ,		2
37	Dual-responsive supramolecular colloidal microcapsules from cucurbit[8]uril molecular recognition in microfluidic droplets. <i>Polymer Chemistry</i> , 2016 , 7, 5996-6002	4.9	16
36	Label-Free Analysis and Sorting of Microalgae and Cyanobacteria in Microdroplets by Intrinsic Chlorophyll Fluorescence for the Identification of Fast Growing Strains. <i>Analytical Chemistry</i> , 2016 , 88, 10445-10451	7.8	29
35	Catalytic polymeric nanocomposites via cucurbit[n]uril host-guest interactions. <i>Nanoscale</i> , 2015 , 7, 13416-9	6.9	20
34	Supramolecular hydrogel microcapsules cucurbit[8]uril host-guest interactions with triggered and UV-controlled molecular permeability. <i>Chemical Science</i> , 2015 , 6, 4929-4933	9.4	65
33	Design of hybrid nanovehicles for remotely triggered drug release: an overview. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 6117-6147	7.3	89
32	Surface-immobilised micelles via cucurbit[8]uril-rotaxanes for solvent-induced burst release. <i>Chemical Communications</i> , 2015 , 51, 4858-60	5.8	10
31	Supramolecular polymer networks based on cucurbit[8]uril host-guest interactions as aqueous photo-rheological fluids. <i>Polymer Chemistry</i> , 2015 , 6, 7652-7657	4.9	38
30	Supracolloidal Architectures Self-Assembled in Microdroplets. <i>Chemistry - A European Journal</i> , 2015 , 21, 15516-9	4.8	7
29	Electrostatically Directed Self-Assembly of Ultrathin Supramolecular Polymer Microcapsules. <i>Advanced Functional Materials</i> , 2015 , 25, 4091-4100	15.6	32
28	Gold nanorods coated with mesoporous silica shell as drug delivery system for remote near infrared light-activated release and potential phototherapy. <i>Small</i> , 2015 , 11, 2323-32	11	190
27	Gold nanorods coated with a thermo-responsive poly(ethylene glycol)-b-poly(N-vinylcaprolactam) corona as drug delivery systems for remotely near infrared-triggered release. <i>Polymer Chemistry</i> , 2014 , 5, 799-813	4.9	55
26	Poly(N-vinylcaprolactam): a thermoresponsive macromolecule with promising future in biomedical field. <i>Advanced Healthcare Materials</i> , 2014 , 3, 1941-68	10.1	103

25	Supramolecular colloidosomes: fabrication, characterisation and triggered release of cargo. <i>Chemical Communications</i> , 2014 , 50, 7048-51	5.8	39
24	Glucose-, pH- and thermo-responsive nanogels crosslinked by functional superparamagnetic maghemite nanoparticles as innovative drug delivery systems. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 1009-1023	7.3	50
23	Thermo-responsive gold/poly(vinyl alcohol)-b-poly(N-vinylcaprolactam) core-corona nanoparticles as a drug delivery system. <i>Polymer Chemistry</i> , 2014 , 5, 5289-5299	4.9	19
22	Reversibly crosslinked thermo- and redox-responsive nanogels for controlled drug release. <i>Polymer Chemistry</i> , 2014 , 5, 77-88	4.9	42
21	Heat-triggered drug release systems based on mesoporous silica nanoparticles filled with a maghemite core and phase-change molecules as gatekeepers. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 59-70	7.3	59
20	Homogeneous Asymmetric Catalysis Using Immobilized Chiral Catalysts 2014 , 111-148		
19	Interfacial assembly of dendritic microcapsules with host-guest chemistry. <i>Nature Communications</i> , 2014 , 5, 5772	17.4	69
18	Gold nanorods with phase-changing polymer corona for remotely near-infrared-triggered drug release. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 275-88	4.5	32
17	Poly(acrylic acid)-block-poly(vinyl alcohol) anchored maghemite nanoparticles designed for multi-stimuli triggered drug release. <i>Nanoscale</i> , 2013 , 5, 11464-77	7.7	32
16	Triphase microfluidic-directed self-assembly: anisotropic colloidal photonic crystal supraparticles and multicolor patterns made easy. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2375-8	16.4	133
15	Facile Synthesis of Chiral Diphosphine-Containing Multiple Dendrimeric Catalysts for Enantioselective Hydrogenation. <i>Chinese Journal of Chemistry</i> , 2012 , 30, 2009-2015	4.9	3
14	Synthesis of thermo-responsive poly(N-vinylcaprolactam)-containing block copolymers by cobalt-mediated radical polymerization. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 400-408	2.5	72
13	Triphase Microfluidic-Directed Self-Assembly: Anisotropic Colloidal Photonic Crystal Supraparticles and Multicolor Patterns Made Easy. <i>Angewandte Chemie</i> , 2012 , 124, 2425-2428	3.6	27
12	Chitin nanocrystals grafted with poly(3-hydroxybutyrate-co-3-hydroxyvalerate) and their effects on thermal behavior of PHBV. <i>Carbohydrate Polymers</i> , 2012 , 87, 784-789	10.3	54
11	Synthesis of poly(ethylene adipate-co-l-lactic acid) copolymers via ring opening polymerization. <i>Polymer Bulletin</i> , 2011 , 66, 187-197	2.4	7
10	Synthesis, crystallization and hydrolysis of aromatic-aliphatic copolyester: Poly(trimethylene terephthalate)-co-poly(l-lactic acid). <i>Polymer Degradation and Stability</i> , 2011 , 96, 991-999	4.7	15
9	Fabrication of quantum dot-based photonic materials from small to large via interfacial self-assembly. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8496		12
8	A Novel Aromatic-Aliphatic Copolyester of Poly(ethylene-co-diethylene terephthalate)-co-poly(l-lactic acid): Synthesis and Characterization. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 9803-9810	3.9	8

7	Uniform fluorescent photonic crystal supraballs generated from nanocrystal-loaded hydrogel microspheres. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6182		47
6	Preparation and characterization of organic-soluble acetylated starch nanocrystals. <i>Carbohydrate Polymers</i> , 2010 , 80, 1078-1084	10.3	100
5	A Click Approach to Chiral-Dendronized Polyfluorene Derivatives. <i>Macromolecular Rapid Communications</i> , 2007 , 28, 2249-2255	4.8	12
4	Poly- ϵ -Glutamic Acid Microgel-Encapsulated Probiotics with Gastric Acid Resistance and Smart Inflammatory Factor Targeted Delivery Performance to Ameliorate Colitis. <i>Advanced Functional Materials</i> , 2113034	15.6	2
3	Hydrogel Bioadhesives with Extreme Acid-Tolerance for Gastric Perforation Repairing. <i>Advanced Functional Materials</i> , 2202285	15.6	2
2	Tough Hydrogel Bioadhesives for Sutureless Wound Sealing, Hemostasis and Biointerfaces. <i>Advanced Functional Materials</i> , 2111465	15.6	9
1	Bioinspired 3D Printing of Functional Materials by Harnessing Enzyme-Induced Biomineralization. <i>Advanced Functional Materials</i> , 2113262	15.6	2