

# Ziyi Yu

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

3,428  
citations

201385

27  
h-index

138251

58  
g-index

68  
all docs

68  
docs citations

68  
times ranked

4923  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile access to versatile fluorescent carbon dots toward light-emitting diodes. <i>Chemical Communications</i> , 2012, 48, 2692.	2.2	463
2	Tough Supramolecular Polymer Networks with Extreme Stretchability and Fast Room-Temperature Self-Healing. <i>Advanced Materials</i> , 2017, 29, 1605325.	11.1	347
3	Versatile Bifunctional Magnetic-Fluorescent Responsive Janus Supraballs Towards the Flexible Bead Display. <i>Advanced Materials</i> , 2011, 23, 2915-2919.	11.1	335
4	Biomimetic Supramolecular Polymer Networks Exhibiting both Toughness and Self-Recovery. <i>Advanced Materials</i> , 2017, 29, 1604951.	11.1	185
5	Cucurbit[8]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.	7.6	181
6	Triphase Microfluidic-Directed Self-Assembly: Anisotropic Colloidal Photonic Crystal Supraparticles and Multicolor Patterns Made Easy. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2375-2378.	7.2	177
7	High-Performance Wearable Micro-Supercapacitors Based on Microfluidic-Directed Nitrogen-Doped Graphene Fiber Electrodes. <i>Advanced Functional Materials</i> , 2017, 27, 1702493.	7.8	144
8	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.	3.3	111
9	Large-scale colloidal films with robust structural colors. <i>Materials Horizons</i> , 2019, 6, 90-96.	6.4	106
10	Interfacial assembly of dendritic microcapsules with host-guest chemistry. <i>Nature Communications</i> , 2014, 5, 5772.	5.8	101
11	A Covalent Black Phosphorus/Metal-Organic Framework Hetero-Nanostructure for High-Performance Flexible Supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10366-10374.	7.2	82
12	Supramolecular hydrogel microcapsules via cucurbit[8]uril host-guest interactions with triggered and UV-controlled molecular permeability. <i>Chemical Science</i> , 2015, 6, 4929-4933.	3.7	77
13	Unexpected stability of aqueous dispersions of raspberry-like colloids. <i>Nature Communications</i> , 2018, 9, 3614.	5.8	57
14	Uniform fluorescent photonic crystal supraballs generated from nanocrystal-loaded hydrogel microspheres. <i>Journal of Materials Chemistry</i> , 2010, 20, 6182.	6.7	52
15	Supramolecular Nested Microbeads as Building Blocks for Macroscopic Self-Healing Scaffolds. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3079-3083.	7.2	50
16	Film characterization of poly(styrene-butylacrylate-acrylic acid)-silica nanocomposite. <i>Journal of Colloid and Interface Science</i> , 2008, 322, 51-58.	5.0	46
17	Supramolecular colloidosomes: fabrication, characterisation and triggered release of cargo. <i>Chemical Communications</i> , 2014, 50, 7048-7051.	2.2	45
18	Electrostatically Directed Self-Assembly of Ultrathin Supramolecular Polymer Microcapsules. <i>Advanced Functional Materials</i> , 2015, 25, 4091-4100.	7.8	44

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19	Spherical Colloidal Photonic Crystals with Selected Lattice Plane Exposure and Enhanced Color Saturation for Dynamic Optical Displays. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 42629-42634.	4.0	43
20	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.	3.2	42
21	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.	5.2	42
22	Granular hydrogels for 3D bioprinting applications. <i>View</i> , 2020, 1, 20200060.	2.7	39
23	Microfluidic Droplet-Facilitated Hierarchical Assembly for Dual Cargo Loading and Synergistic Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 8811-8820.	4.0	33
24	A hydrogel microsphere-based sensor for dual and highly selective detection of Al <sup>3+</sup> and Hg <sup>2+</sup> . <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128490.	4.0	33
25	Spatially Controlled Supramolecular Polymerization of Peptide Nanotubes by Microfluidics. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6902-6908.	7.2	32
26	Bioinspired 3D Printing of Functional Materials by Harnessing Enzyme-Induced Biomineralization. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	32
27	Patterned Arrays of Supramolecular Microcapsules. <i>Advanced Functional Materials</i> , 2018, 28, 1800550.	7.8	31
28	3D Printed Biocatalytic Living Materials with Dual-Network Reinforced Bioinks. <i>Small</i> , 2022, 18, e2104820.	5.2	29
29	Bioinspired hydrogel microfibrils colour-encoded with colloidal crystals. <i>Materials Horizons</i> , 2019, 6, 1938-1943.	6.4	25
30	Droplet-based microfluidic analysis and screening of single plant cells. <i>PLoS ONE</i> , 2018, 13, e0196810.	1.1	23
31	Viscoelastic Hydrogel Microfibers Exploiting Cucurbit[8]uril Host-Guest Chemistry and Microfluidics. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 17929-17935.	4.0	23
32	Photonic Plasticines with Uniform Structural Colors, High Processability, and Self-Healing Properties. <i>Small</i> , 2021, 17, e2007426.	5.2	23
33	Droplet-based microfluidic screening and sorting of microalgal populations for strain engineering applications. <i>Algal Research</i> , 2021, 56, 102293.	2.4	23
34	Controllable Fabrication of Nanocrystal-Loaded Photonic Crystals with a Polymerizable Macromonomer via the CCTP Technique. <i>Langmuir</i> , 2010, 26, 10657-10662.	1.6	22
35	Dual-responsive supramolecular colloidal microcapsules from cucurbit[8]uril molecular recognition in microfluidic droplets. <i>Polymer Chemistry</i> , 2016, 7, 5996-6002.	1.9	22
36	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.	3.2	20

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37	Acoustic-Controlled Bubble Generation and Fabrication of 3D Polymer Porous Materials. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 22318-22326.	4.0	20
38	A facile pathway for the fast synthesis of colloidal crystal-loaded hydrogels via frontal polymerization. <i>Journal of Polymer Science Part A</i> , 2011, 49, 3121-3128.	2.5	18
39	A new design for living cell-based biosensors: Microgels with a selectively permeable shell that can harbor bacterial species. <i>Sensors and Actuators B: Chemical</i> , 2021, 334, 129648.	4.0	18
40	Focused surface acoustic waves induced microdroplets generation and its application for microgels. <i>Sensors and Actuators B: Chemical</i> , 2019, 291, 1-8.	4.0	15
41	Droplet microfluidics on analysis of pathogenic microbes for wastewater-based epidemiology. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 143, 116333.	5.8	14
42	Fabrication of quantum dot-based photonic materials from small to large via interfacial self-assembly. <i>Journal of Materials Chemistry</i> , 2011, 21, 8496.	6.7	13
43	Injectable Granular Hydrogels as Colloidal Assembly Microreactors for Customized Structural Colored Objects. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	13
44	Microfluidic spinning-induced heterotypic bead-on-string fibers for dual-cargo release and wound healing. <i>Journal of Materials Chemistry B</i> , 2021, 9, 2727-2735.	2.9	12
45	Displacement Induced Off-On Fluorescent Biosensor Targeting IDO1 Activity in Live Cells. <i>Analytical Chemistry</i> , 2019, 91, 14943-14950.	3.2	11
46	Spatially Controlled Supramolecular Polymerization of Peptide Nanotubes by Microfluidics. <i>Angewandte Chemie</i> , 2020, 132, 6969-6975.	1.6	11
47	Biocatalytic living materials built by compartmentalized microorganisms in annealable granular hydrogels. <i>Chemical Engineering Journal</i> , 2022, 445, 136822.	6.6	11
48	Surface-immobilised micelles via cucurbit[8]uril-rotaxanes for solvent-induced burst release. <i>Chemical Communications</i> , 2015, 51, 4858-4860.	2.2	10
49	Encodable multiple-fluorescence CdTe@carbon nanoparticles from nanocrystal/colloidal crystal guest-host ensembles. <i>Nanotechnology</i> , 2013, 24, 135602.	1.3	9
50	Supracolloidal Architectures Self-Assembled in Microdroplets. <i>Chemistry - A European Journal</i> , 2015, 21, 15516-15519.	1.7	9
51	Construction of core-shell microcapsules via focused surface acoustic wave microfluidics. <i>Lab on A Chip</i> , 2020, 20, 3104-3108.	3.1	9
52	Microdroplets confined assembly of opal composites in dynamic borate ester-based networks. <i>Chemical Engineering Journal</i> , 2021, 426, 127581.	6.6	9
53	Biaxially Morphing Droplet Shape by an Active Surface. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001199.	1.9	9
54	Cucurbit[7]uril-based high-performance catalytic microreactors. <i>Nanoscale</i> , 2018, 10, 14835-14839.	2.8	7

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55	Supramolecular Nested Microbeads as Building Blocks for Macroscopic Self-Healing Scaffolds. <i>Angewandte Chemie</i> , 2018, 130, 3133-3137.	1.6	6
56	Fluorescent labeling based acoustofluidic screening of Japanese encephalitis virus. <i>Sensors and Actuators B: Chemical</i> , 2020, 322, 128649.	4.0	6
57	Sessile Microdroplet-Based Writing Board for Patterning of Structural Colored Hydrogels. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001201.	1.9	6
58	Single-Cell Analysis Identifies Thymic Maturation Delay in Growth-Restricted Neonatal Mice. <i>Frontiers in Immunology</i> , 2018, 9, 2523.	2.2	4
59	Microfluidic encapsulation of supramolecular optical chemosensors for high-throughput analysis and screening. <i>Sensors and Actuators B: Chemical</i> , 2022, 355, 131302.	4.0	3
60	Electrochromic performances and photoluminescence characteristics of versatile N-vinylimidazole-based hybrid hydrogels. <i>Colloid and Polymer Science</i> , 2012, 290, 371-377.	1.0	2
61	Injectable Granular Hydrogels as Colloidal Assembly Microreactors for Customized Structural Colored Objects. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	1
62	Wearable Devices: High-Performance Wearable Micro-Supercapacitors Based on Microfluidic-Directed Nitrogen-Doped Graphene Fiber Electrodes ( <i>Adv. Funct. Mater.</i> 36/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	7.8	0