

Ziyi Yu

List of Publications by Citations

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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.

60
papers

2,476
citations

24
h-index

49
g-index

68
ext. papers

2,991
ext. citations

10.4
avg, IF

5.23
L-index

#	Paper	IF	Citations
60	Facile access to versatile fluorescent carbon dots toward light-emitting diodes. <i>Chemical Communications</i> , 2012 , 48, 2692-4	5.8	413
59	Versatile bifunctional magnetic-fluorescent responsive Janus supraballs towards the flexible bead display. <i>Advanced Materials</i> , 2011 , 23, 2915-9	24	293
58	Tough Supramolecular Polymer Networks with Extreme Stretchability and Fast Room-Temperature Self-Healing. <i>Advanced Materials</i> , 2017 , 29, 1605325	24	234
57	Biomimetic Supramolecular Polymer Networks Exhibiting both Toughness and Self-Recovery. <i>Advanced Materials</i> , 2017 , 29, 1604951	24	148
56	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	24.7	143
55	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
54	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
53	Large-scale colloidal films with robust structural colors. <i>Materials Horizons</i> , 2019 , 6, 90-96	14.4	77
52	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
51	Interfacial assembly of dendritic microcapsules with host-guest chemistry. <i>Nature Communications</i> , 2014 , 5, 5772	17.4	69
50	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
49	Uniform fluorescent photonic crystal supraballs generated from nanocrystal-loaded hydrogel microspheres. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6182		47
48	Film characterization of poly(styrene-butylacrylate-acrylic acid)-silica nanocomposite. <i>Journal of Colloid and Interface Science</i> , 2008 , 322, 51-8	9.3	44
47	Supramolecular Nested Microbeads as Building Blocks for Macroscopic Self-Healing Scaffolds. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3079-3083	16.4	43
46	Supramolecular colloidosomes: fabrication, characterisation and triggered release of cargo. <i>Chemical Communications</i> , 2014 , 50, 7048-51	5.8	39
45	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
44	Unexpected stability of aqueous dispersions of raspberry-like colloids. <i>Nature Communications</i> , 2018 , 9, 3614	17.4	35

43	Electrostatically Directed Self-Assembly of Ultrathin Supramolecular Polymer Microcapsules. <i>Advanced Functional Materials</i> , 2015 , 25, 4091-4100	15.6	32
42	A Covalent Black Phosphorus/Metal-Organic Framework Hetero-nanostructure for High-Performance Flexible Supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 10366-10374 ³²	16.4	32
41	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
40	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
39	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
38	Patterned Arrays of Supramolecular Microcapsules. <i>Advanced Functional Materials</i> , 2018 , 28, 1800550	15.6	24
37	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
36	Controllable fabrication of nanocrystal-loaded photonic crystals with a polymerizable macromonomer via the CCTP technique. <i>Langmuir</i> , 2010 , 26, 10657-62	4	22
35	Spatially Controlled Supramolecular Polymerization of Peptide Nanotubes by Microfluidics. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 6902-6908	16.4	17
34	A hydrogel microsphere-based sensor for dual and highly selective detection of Al ³⁺ and Hg ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2020 , 321, 128490	8.5	16
33	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	16
32	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
31	Droplet-based microfluidic analysis and screening of single plant cells. <i>PLoS ONE</i> , 2018 , 13, e0196810	3.7	16
30	Bioinspired hydrogel microfibrils colour-encoded with colloidal crystals. <i>Materials Horizons</i> , 2019 , 6, 1938-1943 ¹³	4.4	13
29	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
28	Surface-immobilised micelles via cucurbit[8]uril-rotaxanes for solvent-induced burst release. <i>Chemical Communications</i> , 2015 , 51, 4858-60	5.8	10
27	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
26	Acoustic-Controlled Bubble Generation and Fabrication of 3D Polymer Porous Materials. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 22318-22326	9.5	10

25	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
24	Granular hydrogels for 3D bioprinting applications. <i>View</i> , 2020 , 1, 20200060	7.8	10
23	Photonic Plasticines with Uniform Structural Colors, High Processability, and Self-Healing Properties. <i>Small</i> , 2021 , 17, e2007426	11	10
22	Encodable multiple-fluorescence CdTe@carbon nanoparticles from nanocrystal/colloidal crystal guest-host ensembles. <i>Nanotechnology</i> , 2013 , 24, 135602	3.4	8
21	Spatially Controlled Supramolecular Polymerization of Peptide Nanotubes by Microfluidics. <i>Angewandte Chemie</i> , 2020 , 132, 6969-6975	3.6	7
20	Displacement Induced Off-On Fluorescent Biosensor Targeting IDO1 Activity in Live Cells. <i>Analytical Chemistry</i> , 2019 , 91, 14943-14950	7.8	7
19	Supracolloidal Architectures Self-Assembled in Microdroplets. <i>Chemistry - A European Journal</i> , 2015 , 21, 15516-9	4.8	7
18	Focused surface acoustic waves induced microdroplets generation and its application for microgels. <i>Sensors and Actuators B: Chemical</i> , 2019 , 291, 1-8	8.5	6
17	Supramolecular Nested Microbeads as Building Blocks for Macroscopic Self-Healing Scaffolds. <i>Angewandte Chemie</i> , 2018 , 130, 3133-3137	3.6	6
16	Droplet-based microfluidic screening and sorting of microalgal populations for strain engineering applications. <i>Algal Research</i> , 2021 , 56, None	5	5
15	Cucurbit[7]uril-based high-performance catalytic microreactors. <i>Nanoscale</i> , 2018 , 10, 14835-14839	7.7	4
14	Construction of core-shell microcapsules focused surface acoustic wave microfluidics. <i>Lab on A Chip</i> , 2020 , 20, 3104-3108	7.2	4
13	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	8.5	4
12	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	7.3	4
11	Droplet microfluidics on analysis of pathogenic microbes for wastewater-based epidemiology. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 143, 116333	14.6	4
10	3D Printed Biocatalytic Living Materials with Dual-Network Reinforced Bioinks. <i>Small</i> , 2021 , e2104820	11	4
9	Microdroplets confined assembly of opal composites in dynamic borate ester-based networks. <i>Chemical Engineering Journal</i> , 2021 , 426, 127581	14.7	3
8	Biaxially Morphing Droplet Shape by an Active Surface. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001199	4.6	3

7	Single-Cell Analysis Identifies Thymic Maturation Delay in Growth-Restricted Neonatal Mice. <i>Frontiers in Immunology</i> , 2018 , 9, 2523	8.4	3
6	Electrochromic performances and photoluminescence characteristics of versatile N-vinylimidazole-based hybrid hydrogels. <i>Colloid and Polymer Science</i> , 2012 , 290, 371-377	2.4	2
5	Bioinspired 3D Printing of Functional Materials by Harnessing Enzyme-Induced Biomineralization. <i>Advanced Functional Materials</i> , 2113262	15.6	2
4	Sessile Microdroplet-Based Writing Board for Patterning of Structural Colored Hydrogels. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001201	4.6	1
3	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
2	Fluorescent labeling based acoustofluidic screening of Japanese encephalitis virus. <i>Sensors and Actuators B: Chemical</i> , 2020 , 322, 128649	8.5	0
1	Biocatalytic living materials built by compartmentalized microorganisms in annealable granular hydrogels. <i>Chemical Engineering Journal</i> , 2022 , 445, 136822	14.7	0