

Ziyi Yu

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9298085/ziyi-yu-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
59	Biocatalytic living materials built by compartmentalized microorganisms in annealable granular hydrogels. <i>Chemical Engineering Journal</i> , 2022 , 445, 136822	14.7	0
58	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
57	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
56	Droplet-based microfluidic screening and sorting of microalgal populations for strain engineering applications. <i>Algal Research</i> , 2021 , 56, None	5	5
55	Microdroplets confined assembly of opal composites in dynamic borate ester-based networks. <i>Chemical Engineering Journal</i> , 2021 , 426, 127581	14.7	3
54	Sessile Microdroplet-Based Writing Board for Patterning of Structural Colored Hydrogels. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001201	4.6	1
53	Biaxially Morphing Droplet Shape by an Active Surface. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001199	4.6	3
52	Photonic Plasticines with Uniform Structural Colors, High Processability, and Self-Healing Properties. <i>Small</i> , 2021 , 17, e2007426	11	10
51	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
50	Droplet microfluidics on analysis of pathogenic microbes for wastewater-based epidemiology. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 143, 116333	14.6	4
49	3D Printed Biocatalytic Living Materials with Dual-Network Reinforced Bioinks. <i>Small</i> , 2021 , e2104820	11	4
48	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
47	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
46	Spatially Controlled Supramolecular Polymerization of Peptide Nanotubes by Microfluidics. <i>Angewandte Chemie</i> , 2020 , 132, 6969-6975	3.6	7
45	Spatially Controlled Supramolecular Polymerization of Peptide Nanotubes by Microfluidics. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 6902-6908	16.4	17
44	Acoustic-Controlled Bubble Generation and Fabrication of 3D Polymer Porous Materials. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 22318-22326	9.5	10

43	Granular hydrogels for 3D bioprinting applications. <i>View</i> , 2020 , 1, 20200060	7.8	10
42	Construction of core-shell microcapsules focused surface acoustic wave microfluidics. <i>Lab on A Chip</i> , 2020 , 20, 3104-3108	7.2	4
41	Fluorescent labeling based acoustofluidic screening of Japanese encephalitis virus. <i>Sensors and Actuators B: Chemical</i> , 2020 , 322, 128649	8.5	0
40	Large-scale colloidal films with robust structural colors. <i>Materials Horizons</i> , 2019 , 6, 90-96	14.4	77
39	Bioinspired hydrogel microfibrils colour-encoded with colloidal crystals. <i>Materials Horizons</i> , 2019 , 6, 1938-1943	14.3	13
38	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
37	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
36	Displacement Induced Off-On Fluorescent Biosensor Targeting IDO1 Activity in Live Cells. <i>Analytical Chemistry</i> , 2019 , 91, 14943-14950	7.8	7
35	Supramolecular Nested Microbeads as Building Blocks for Macroscopic Self-Healing Scaffolds. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3079-3083	16.4	43
34	Patterned Arrays of Supramolecular Microcapsules. <i>Advanced Functional Materials</i> , 2018 , 28, 1800550	15.6	24
33	Supramolecular Nested Microbeads as Building Blocks for Macroscopic Self-Healing Scaffolds. <i>Angewandte Chemie</i> , 2018 , 130, 3133-3137	3.6	6
32	Cucurbit[7]uril-based high-performance catalytic microreactors. <i>Nanoscale</i> , 2018 , 10, 14835-14839	7.7	4
31	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
30	Single-Cell Analysis Identifies Thymic Maturation Delay in Growth-Restricted Neonatal Mice. <i>Frontiers in Immunology</i> , 2018 , 9, 2523	8.4	3
29	Unexpected stability of aqueous dispersions of raspberry-like colloids. <i>Nature Communications</i> , 2018 , 9, 3614	17.4	35
28	Droplet-based microfluidic analysis and screening of single plant cells. <i>PLoS ONE</i> , 2018 , 13, e0196810	3.7	16
27	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	21.7	143
26	Biomimetic Supramolecular Polymer Networks Exhibiting both Toughness and Self-Recovery. <i>Advanced Materials</i> , 2017 , 29, 1604951	24	148

25	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
24	Tough Supramolecular Polymer Networks with Extreme Stretchability and Fast Room-Temperature Self-Healing. <i>Advanced Materials</i> , 2017 , 29, 1605325	24	234
23	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
22	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
21	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
20	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
19	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
18	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
17	Surface-immobilised micelles via cucurbit[8]uril-rotaxanes for solvent-induced burst release. <i>Chemical Communications</i> , 2015 , 51, 4858-60	5.8	10
16	Supracolloidal Architectures Self-Assembled in Microdroplets. <i>Chemistry - A European Journal</i> , 2015 , 21, 15516-9	4.8	7
15	Electrostatically Directed Self-Assembly of Ultrathin Supramolecular Polymer Microcapsules. <i>Advanced Functional Materials</i> , 2015 , 25, 4091-4100	15.6	32
14	Supramolecular colloidosomes: fabrication, characterisation and triggered release of cargo. <i>Chemical Communications</i> , 2014 , 50, 7048-51	5.8	39
13	Interfacial assembly of dendritic microcapsules with host-guest chemistry. <i>Nature Communications</i> , 2014 , 5, 5772	17.4	69
12	Encodable multiple-fluorescence CdTe@carbon nanoparticles from nanocrystal/colloidal crystal guest-host ensembles. <i>Nanotechnology</i> , 2013 , 24, 135602	3.4	8
11	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
10	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
9	Facile access to versatile fluorescent carbon dots toward light-emitting diodes. <i>Chemical Communications</i> , 2012 , 48, 2692-4	5.8	413
8	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

7	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
6	Versatile bifunctional magnetic-fluorescent responsive Janus supraballs towards the flexible bead display. <i>Advanced Materials</i> , 2011 , 23, 2915-9	24	293
5	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
4	Controllable fabrication of nanocrystal-loaded photonic crystals with a polymerizable macromonomer via the CCTP technique. <i>Langmuir</i> , 2010 , 26, 10657-62	4	22
3	Uniform fluorescent photonic crystal supraballs generated from nanocrystal-loaded hydrogel microspheres. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6182		47
2	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
1	Bioinspired 3D Printing of Functional Materials by Harnessing Enzyme-Induced Biomineralization. <i>Advanced Functional Materials</i> , 2113262	15.6	2