

# Bi-Yi Xu

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

1,021  
citations

687363

13  
h-index

610901

24  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1710  
citing authors

#	ARTICLE	IF	CITATIONS
1	LCST and UCST-type thermoresponsive behavior in dendronized gelatins. <i>Polymer Chemistry</i> , 2022, 13, 2813-2821.	3.9	5
2	Combination of DNA with polymers. <i>Polymer Chemistry</i> , 2021, 12, 1898-1917.	3.9	8
3	Living-DNA Nanogel Appendant Enables <i>In Situ</i> Modulation and Quantification of Regulation Effects on Membrane Proteins. <i>ACS Applied Bio Materials</i> , 2021, 4, 4565-4574.	4.6	2
4	Thermoresponsive Nanogels from Dendronized Copolymers for Complexation, Protection and Release of Nucleic Acids. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020, 38, 1164-1170.	3.8	10
5	Thermoresponsive cationic dendronized copolymers and their corresponding nanogels as smart gene carriers. <i>Polymer Chemistry</i> , 2020, 11, 4105-4114.	3.9	13
6	Confined Microenvironments from Thermoresponsive Dendronized Polymers. <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000325.	3.9	28
7	Abnormal Liquid Chasing Effect in Paper Capillary Enables Versatile Gradient Generation on Microfluidic Paper Analytical Devices. <i>Analytical Chemistry</i> , 2020, 92, 2722-2730.	6.5	4
8	Microfluidic liquid-air dual-gradient chip for synergic effect bio-evaluation of air pollutant. <i>Talanta</i> , 2018, 182, 202-209.	5.5	9
9	Microfluidic fabrication of microparticles for biomedical applications. <i>Chemical Society Reviews</i> , 2018, 47, 5646-5683.	38.1	410
10	Paper Capillary Enables Effective Sampling for Microfluidic Paper Analytical Devices. <i>ACS Sensors</i> , 2018, 3, 1416-1423.	7.8	34
11	Dual-Functional Carbon Dots Pattern on Paper Chips for Fe <sup>3+</sup> and Ferritin Analysis in Whole Blood. <i>Analytical Chemistry</i> , 2017, 89, 2131-2137.	6.5	58
12	Microfluidic PDMS on paper (POP) devices. <i>Lab on A Chip</i> , 2017, 17, 120-127.	6.0	27
13	A microfluidic cigarette smoke collecting platform for simultaneous sample extraction and multiplex analysis. <i>Talanta</i> , 2016, 150, 455-462.	5.5	4
14	Versatile Microfluidic Droplets Array for Bioanalysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 935-940.	8.0	35
15	A branched electrode based electrochemical platform: towards new label-free and reagentless simultaneous detection of two biomarkers. <i>Chemical Communications</i> , 2013, 49, 1052-1054.	4.1	93
16	A novel microfluidic platform with stable concentration gradient for on chip cell culture and screening assays. <i>Lab on A Chip</i> , 2013, 13, 3714.	6.0	35
17	Simultaneous electrochemical immunoassay using CdS/DNA and PbS/DNA nanochains as labels. <i>Biosensors and Bioelectronics</i> , 2013, 39, 177-182.	10.1	78
18	Liquid gradient in two-dimensional matrix for high throughput screening. <i>Biomicrofluidics</i> , 2013, 7, 064116.	2.4	6

#	ARTICLE	IF	CITATIONS
19	On chip steady liquid-gas phase separation for flexible generation of dissolved gas concentration gradient. Lab on A Chip, 2012, 12, 1281.	6.0	13
20	Liquid-gas dual phase microfluidic system for biocompatible CaCO <sub>3</sub> hollow nanoparticles generation and simultaneous molecule doping. Chemical Communications, 2012, 48, 11635.	4.1	10
21	One step high quality poly(dimethylsiloxane)-hydrocarbon plastics bonding. Biomicrofluidics, 2012, 6, 16507-165078.	2.4	17
22	Glass etching to bridge micro- and nanofluidics. Lab on A Chip, 2012, 12, 381-386.	6.0	30
23	Electrochemiluminescence analysis of folate receptors on cell membrane with on-chip bipolar electrode. Lab on A Chip, 2011, 11, 2720.	6.0	62
24	Large scale lithography-free nano channel array on polystyrene. Lab on A Chip, 2010, 10, 2894.	6.0	30