

# Xingyu lin

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,317  
citations

279798

23  
h-index

361022

35  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1264  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrathin Silica Membranes with Highly Ordered and Perpendicular Nanochannels for Precise and Fast Molecular Separation. <i>ACS Nano</i> , 2015, 9, 11266-11277.	14.6	133
2	Recent advances in polysaccharides stabilized emulsions for encapsulation and delivery of bioactive food ingredients: A review. <i>Carbohydrate Polymers</i> , 2020, 242, 116388.	10.2	105
3	Digital Loop-Mediated Isothermal Amplification on a Commercial Membrane. <i>ACS Sensors</i> , 2019, 4, 242-249.	7.8	86
4	Vertically ordered silica mesochannel films: electrochemistry and analytical applications. <i>Analyst</i> , 2016, 141, 3482-3495.	3.5	76
5	Protein-polysaccharide complex coated W/O/W emulsion as secondary microcapsule for hydrophilic arbutin and hydrophobic coumaric acid. <i>Food Chemistry</i> , 2019, 300, 125171.	8.2	65
6	Nanomaterial-based biosensors for sensing key foodborne pathogens: Advances from recent decades. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2020, 19, 1465-1487.	11.7	63
7	Molecular Filtration by Ultrathin and Highly Porous Silica Nanochannel Membranes: Permeability and Selectivity. <i>Analytical Chemistry</i> , 2016, 88, 10252-10258.	6.5	49
8	Asymmetric Membrane for Digital Detection of Single Bacteria in Milliliters of Complex Water Samples. <i>ACS Nano</i> , 2018, 12, 10281-10290.	14.6	45
9	Smartphone-Based in-Gel Loop-Mediated Isothermal Amplification (gLAMP) System Enables Rapid Coliphage MS2 Quantification in Environmental Waters. <i>Environmental Science &amp; Technology</i> , 2018, 52, 6399-6407.	10.0	43
10	Occurrence, detection, and dissipation of pesticide residue in plant-derived foodstuff: A state-of-the-art review. <i>Food Chemistry</i> , 2022, 384, 132494.	8.2	39
11	Vertically Ordered Silica Mesochannel Modified Bipolar Electrode for Electrochemiluminescence Imaging Analysis. <i>ChemElectroChem</i> , 2016, 3, 480-486.	3.4	36
12	Polydimethylsiloxane Modified Silica Nanochannel Membrane for Hydrophobicity-Based Molecular Filtration and Detection. <i>Analytical Chemistry</i> , 2016, 88, 7821-7827.	6.5	35
13	Delaying the biosynthesis of aromatic secondary metabolites in postharvest strawberry fruit exposed to elevated CO <sub>2</sub> atmosphere. <i>Food Chemistry</i> , 2020, 306, 125611.	8.2	35
14	Phenylboronic acid-functionalized vertically ordered mesoporous silica films for selective electrochemical determination of fluoride ion in tap water. <i>Mikrochimica Acta</i> , 2020, 187, 470.	5.0	35
15	When smartphone enters food safety: A review in on-site analysis for foodborne pathogens using smartphone-assisted biosensors. <i>Food Chemistry</i> , 2022, 394, 133534.	8.2	35
16	A novel phase change coolant promoted quality attributes and glutamate accumulation in postharvest shiitake mushrooms involved in energy metabolism. <i>Food Chemistry</i> , 2021, 351, 129227.	8.2	32
17	Direct detection of Pb <sup>2+</sup> and Cd <sup>2+</sup> in juice and beverage samples using PDMS modified nanochannels electrochemical sensors. <i>Food Chemistry</i> , 2021, 356, 129632.	8.2	32
18	Gated Molecular Transport in Highly Ordered Heterogeneous Nanochannel Array Electrode. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 33343-33349.	8.0	30

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19	Permselective Ion Transport Across the Nanoscopic Liquid/Liquid Interface Array. <i>Analytical Chemistry</i> , 2016, 88, 6563-6569.	6.5	28
20	Effects of elevated CO <sub>2</sub> on pigment metabolism of postharvest mandarin fruit for degreening. <i>Food Chemistry</i> , 2020, 318, 126462.	8.2	27
21	Insights into chemometric algorithms for quality attributes and hazards detection in foodstuffs using Raman/surface enhanced Raman spectroscopy. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021, 20, 2476-2507.	11.7	27
22	Nanoporous hydrogel for direct digital nucleic acid amplification in untreated complex matrices for single bacteria counting. <i>Biosensors and Bioelectronics</i> , 2021, 184, 113199.	10.1	27
23	Detection of Metoprolol in Human Biofluids and Pharmaceuticals via Ion-Transfer Voltammetry at the Nanoscopic Liquid/Liquid Interface Array. <i>Analytical Chemistry</i> , 2017, 89, 945-951.	6.5	25
24	Application of Nanomaterials in Isothermal Nucleic Acid Amplification. <i>Small</i> , 2022, 18, e2102711.	10.0	25
25	A microfluidic chip capable of switching W/O droplets to vertical laminar flow for electrochemical detection of droplet contents. <i>Analytica Chimica Acta</i> , 2014, 828, 70-79.	5.4	23
26	Functional hydrogel for fast, precise and inhibition-free point-of-care bacteria analysis in crude food samples. <i>Biomaterials</i> , 2022, 280, 121278.	11.4	20
27	Enhancing stability and bioaccessibility of chlorogenic acid using complexation with amylopectin: A comprehensive evaluation of complex formation, properties, and characteristics. <i>Food Chemistry</i> , 2020, 311, 125879.	8.2	18
28	Exogenous phytoalkaloid PSK <sup>±</sup> alleviates chilling injury of banana by modulating metabolisms of nitric oxide, polyamine, proline, and <sup>13</sup> C-aminobutyric acid. <i>Food Chemistry</i> , 2022, 380, 132179.	8.2	18
29	Nanochannels as molecular check valves. <i>Nanoscale</i> , 2017, 9, 18523-18528.	5.6	15
30	Nanoscopic liquid/liquid interface arrays supported by silica isoporous membranes: Trans-membrane resistance and ion transfer reactions. <i>Journal of Electroanalytical Chemistry</i> , 2017, 784, 62-68.	3.8	14
31	Interference-free Detection of Caffeine in Complex Matrices Using a Nanochannel Electrode Modified with Binary Hydrophilic/Hydrophobic PDMS. <i>ACS Sensors</i> , 2021, 6, 1604-1612.	7.8	13
32	Single-Cell Phenotypic Analysis and Digital Molecular Detection Linkable by a Hydrogel Bead-Based Platform. <i>ACS Applied Bio Materials</i> , 2021, 4, 2664-2674.	4.6	11
33	Elevated CO <sub>2</sub> Enhanced the Antioxidant Activity and Downregulated Cell Wall Metabolism of Wolfberry ( <i>Lycium barbarum</i> L.). <i>Antioxidants</i> , 2022, 11, 16.	5.1	10
34	Redox cycling with ITO electrodes separated by an ultrathin silica nanochannel membrane. <i>Electrochemistry Communications</i> , 2016, 72, 1-4.	4.7	8
35	Amphiphilic and Biocompatible DNA Origami-Based Emulsion Formation and Nanopore Release for Anti-Melanogenesis Therapy. <i>Small</i> , 2021, 17, e2104831.	10.0	8
36	Exogenous 24-epibrassinolide activates detoxification enzymes to promote degradation of boscalid in cherry tomatoes. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 2210-2217.	3.5	7

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37	Digital recombinase polymerase amplification in hydrogel nanofluidic chip for ultrafast and precise quantification of pathogens in fresh food. <i>Sensors and Actuators B: Chemical</i> , 2022, 367, 132051.	7.8	7
38	Solvent-free, ultrafast and ultrathin PDMS coating triggered by plasma for molecule separation and release. <i>Green Chemistry</i> , 2021, 23, 4181-4190.	9.0	6
39	Thermoelectric Response of Ion-Selective Membranes: Modelling and Experimental Studies. <i>ChemElectroChem</i> , 2021, 8, 585-591.	3.4	3
40	The spatial distribution and migration of three typical fungicides in postharvest satsuma mandarin ( <i>Citrus unshiu</i> Marc.) fruit. <i>Food Science and Technology International</i> , 2023, 29, 510-517.	2.2	3
41	Amphiphilic and Biocompatible DNA Origami-Based Emulsion Formation and Nanopore Release for Anti-Melanogenesis Therapy ( <i>Small</i> 45/2021). <i>Small</i> , 2021, 17, 2170239.	10.0	0