

# Xiao-Juan Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

2,012  
citations

361413

20  
h-index

526287

27  
g-index

28  
all docs

28  
docs citations

28  
times ranked

2113  
citing authors

#	ARTICLE	IF	CITATIONS
1	Portable electrochemical biosensor based on laser-induced graphene and MnO <sub>2</sub> switch-bridged DNA signal amplification for sensitive detection of pesticide. <i>Biosensors and Bioelectronics</i> , 2022, 199, 113906.	10.1	76
2	Nucleic acid-functionalized metal-organic framework for ultrasensitive immobilization-free photoelectrochemical biosensing. <i>Biosensors and Bioelectronics</i> , 2021, 173, 112832.	10.1	82
3	Sulfur-doped laser-induced graphene derived from polyethersulfone and lignin hybrid for all-solid-state supercapacitor. <i>Applied Surface Science</i> , 2021, 551, 149438.	6.1	40
4	Metal-Organic Framework-Functionalized Paper-Based Electrochemical Biosensor for Ultrasensitive Exosome Assay. <i>Analytical Chemistry</i> , 2021, 93, 11792-11799.	6.5	157
5	Flexible photoelectrochemical biosensor for ultrasensitive microRNA detection based on concatenated multiplex signal amplification. <i>Biosensors and Bioelectronics</i> , 2021, 194, 113581.	10.1	95
6	Aligned ZnO nanorod@Ni-Co layered double hydroxide composite nanosheet arrays with a core-shell structure as high-performance supercapacitor electrode materials. <i>CrystEngComm</i> , 2020, 22, 1593-1601.	2.6	28
7	A direct-write method for preparing a bimetal sulfide/graphene composite as a free-standing electrode for high-performance microsupercapacitors. <i>RSC Advances</i> , 2020, 10, 35490-35498.	3.6	1
8	DNA Tetrahedra-Cross-linked Hydrogel Functionalized Paper for Onsite Analysis of DNA Methyltransferase Activity Using a Personal Glucose Meter. <i>Analytical Chemistry</i> , 2020, 92, 4592-4599.	6.5	85
9	Simultaneous detection of five flavoring agents in chewing gum by ultrasound-microwave synergistic extraction coupled with gas chromatography. <i>Scientific Reports</i> , 2019, 9, 12085.	3.3	4
10	A facile homogeneous electrochemical biosensing strategy based on displacement reaction for intracellular and extracellular hydrogen peroxide detection. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111446.	10.1	32
11	Enzymatic Biofuel-Cell-Based Self-Powered Biosensor Integrated with DNA Amplification Strategy for Ultrasensitive Detection of Single-Nucleotide Polymorphism. <i>Analytical Chemistry</i> , 2019, 91, 8697-8704.	6.5	135
12	Bimetallic Ni-Co Silicate Hollow Spheres with Controllable Morphology for the Application on Supercapacitor. <i>ChemistrySelect</i> , 2019, 4, 5258-5263.	1.5	12
13	A Universal Paper-Based Electrochemical Sensor for Zero-Background Assay of Diverse Biomarkers. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 15381-15388.	8.0	103
14	A split aptamer-based imaging solution for the visualization of latent fingerprints. <i>Analytical Methods</i> , 2018, 10, 2281-2286.	2.7	12
15	Triplex DNA formation-mediated strand displacement reaction for highly sensitive fluorescent detection of melamine. <i>Talanta</i> , 2018, 185, 352-358.	5.5	9
16	Oligonucleotide-modulated photocurrent enhancement of a tetracationic porphyrin for label-free homogeneous photoelectrochemical biosensing. <i>Biosensors and Bioelectronics</i> , 2018, 121, 90-95.	10.1	16
17	Label-Free Homogeneous Electroanalytical Platform for Pesticide Detection Based on Acetylcholinesterase-Mediated DNA Conformational Switch Integrated with Rolling Circle Amplification. <i>ACS Sensors</i> , 2017, 2, 562-568.	7.8	104
18	Triplex DNA-based Bioanalytical Platform for Highly Sensitive Homogeneous Electrochemical Detection of Melamine. <i>Scientific Reports</i> , 2017, 7, 4490.	3.3	26

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19	Visualization of latent fingerprints using a simple silver imaging ink. <i>Analytical Methods</i> , 2016, 8, 6293-6297.	2.7	19
20	Exonuclease I-aided homogeneous electrochemical strategy for organophosphorus pesticide detection based on enzyme inhibition integrated with a DNA conformational switch. <i>Analyst</i> , 2016, 141, 1830-1836.	3.5	29
21	Fluorescence biosensing strategy based on mercury ion-mediated DNA conformational switch and nicking enzyme-assisted cycling amplification for highly sensitive detection of carbamate pesticide. <i>Biosensors and Bioelectronics</i> , 2016, 77, 644-649.	10.1	59
22	Ultrasensitive homogeneous electrochemical strategy for DNA methyltransferase activity assay based on autonomous exonuclease III-assisted isothermal cycling signal amplification. <i>Biosensors and Bioelectronics</i> , 2015, 70, 304-309.	10.1	78
23	Homogeneous Electrochemical Strategy for Human Telomerase Activity Assay at Single-Cell Level Based on T7 Exonuclease-Aided Target Recycling Amplification. <i>Analytical Chemistry</i> , 2015, 87, 4030-4036.	6.5	158
24	Label-Free and Enzyme-Free Homogeneous Electrochemical Biosensing Strategy Based on Hybridization Chain Reaction: A Facile, Sensitive, and Highly Specific MicroRNA Assay. <i>Analytical Chemistry</i> , 2015, 87, 11368-11374.	6.5	282
25	Layered Double Hydroxide Functionalized Textile for Effective Oil/Water Separation and Selective Oil Adsorption. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 791-800.	8.0	176
26	DNAzyme-guided polymerization of aniline for ultrasensitive electrochemical detection of nucleic acid with bio-bar codes-initiated rolling circle amplification. <i>Sensors and Actuators B: Chemical</i> , 2014, 190, 384-388.	7.8	19
27	Label-free colorimetric assay for base excision repair enzyme activity based on nicking enzyme assisted signal amplification. <i>Biosensors and Bioelectronics</i> , 2014, 54, 598-602.	10.1	92
28	Detection of protein deposition within latent fingerprints by surface-enhanced Raman spectroscopy imaging. <i>Nanoscale</i> , 2012, 4, 2333.	5.6	83