

Jinfang Nie

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,127
citations

471509

17
h-index

395702

33
g-index

34
all docs

34
docs citations

34
times ranked

1290
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Cost Fabrication of Paper-Based Microfluidic Devices by One-Step Plotting. <i>Analytical Chemistry</i> , 2012, 84, 6331-6335.	6.5	191
2	One-step patterning of hollow microstructures in paper by laser cutting to create microfluidic analytical devices. <i>Analyst, The</i> , 2013, 138, 671-676.	3.5	133
3	Equipment-Free Quantitative Measurement for Microfluidic Paper-Based Analytical Devices Fabricated Using the Principles of Movable-Type Printing. <i>Analytical Chemistry</i> , 2014, 86, 2005-2012.	6.5	99
4	Ratiometric fluorescent sensing of Pb ²⁺ and Hg ²⁺ with two types of carbon dot nano hybrids synthesized from the same biomass. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126698.	7.8	88
5	Naked-eye quantitative aptamer-based assay on paper device. <i>Biosensors and Bioelectronics</i> , 2016, 78, 538-546.	10.1	60
6	Analyte-triggered autocatalytic amplification combined with gold nanoparticle probes for colorimetric detection of heavy-metal ions. <i>Chemical Communications</i> , 2017, 53, 7477-7480.	4.1	59
7	Enhanced ELISA using a handheld pH meter and enzyme-coated microparticles for the portable, sensitive detection of proteins. <i>Chemical Communications</i> , 2016, 52, 3474-3477.	4.1	53
8	Timing readout in paper device for quantitative point-of-use hemin/G-quadruplex DNAzyme-based bioassays. <i>Biosensors and Bioelectronics</i> , 2015, 73, 13-18.	10.1	45
9	Individually addressable microelectrode arrays fabricated with gold-coated pencil graphite particles for multiplexed and high sensitive impedance immunoassays. <i>Biosensors and Bioelectronics</i> , 2009, 25, 34-40.	10.1	44
10	Highly Sensitive Colorimetric Detection of a Variety of Analytes via the Tyndall Effect. <i>Analytical Chemistry</i> , 2019, 91, 15114-15122.	6.5	35
11	Enhanced 3D paper-based devices with a personal glucose meter for highly sensitive and portable biosensing of silver ion. <i>Biosensors and Bioelectronics</i> , 2019, 137, 154-160.	10.1	30
12	Tyndall-effect-enhanced supersensitive naked-eye determination of mercury (II) ions with silver nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2021, 344, 130218.	7.8	30
13	Ultrasensitive visual detection of Hg ²⁺ ions <i>via</i> the Tyndall effect of gold nanoparticles. <i>Chemical Communications</i> , 2021, 57, 2613-2616.	4.1	25
14	Fabrication of paper devices via laser-heating-wax-printing for high-tech enzyme-linked immunosorbent assays with low-tech pen-type pH meter readout. <i>Analyst, The</i> , 2017, 142, 511-516.	3.5	22
15	Using the Rubik's Cube to directly produce paper analytical devices for quantitative point-of-care aptamer-based assays. <i>Biosensors and Bioelectronics</i> , 2017, 96, 194-200.	10.1	21
16	Superhydrophobic surface-based magnetic electrochemical immunoassay for detection of <i>Schistosoma japonicum</i> antibodies. <i>Biosensors and Bioelectronics</i> , 2012, 33, 23-28.	10.1	20
17	Transforming glucose into fluorescent graphene quantum dots <i>via</i> microwave radiation for sensitive detection of Al ³⁺ ions based on aggregation-induced enhanced emission. <i>Analyst, The</i> , 2020, 145, 6981-6986.	3.5	19
18	New two dimensional liquid-phase colorimetric assay based on old iodine-starch complexation for the naked-eye quantitative detection of analytes. <i>Chemical Communications</i> , 2016, 52, 7454-7457.	4.1	15

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19	Instrument-free quantitative gold nanoparticle-based liquid-phase colorimetric assays for use in resource-poor environments. <i>Chemical Communications</i> , 2017, 53, 8407-8410.	4.1	13
20	Effect of neonicotinoid dinotefuran on root exudates of <i>Brassica rapa</i> var. <i>chinensis</i> . <i>Chemosphere</i> , 2021, 266, 129020.	8.2	13
21	Tyndall-Effect-inspired assay with gold nanoparticles for the colorimetric discrimination and quantification of mercury ions and glutathione. <i>Talanta</i> , 2022, 238, 122999.	5.5	13
22	Investigating the affinity of BDE154 and 3OH-BDE154 with HSA: Experimental and simulation validation. <i>Environmental Toxicology and Pharmacology</i> , 2017, 51, 85-93.	4.0	12
23	Instrument-free quantitative detection of alkaline phosphatase using paper-based devices. <i>Analytical Methods</i> , 2017, 9, 3375-3379.	2.7	12
24	Nitrocellulose strip array assembled on superhydrophobic surface: An aqueous solution diffusion-localized platform for multianalyte immunogold staining assays. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3272-3277.	10.1	11
25	Preparation and application of molecularly imprinted polymer solid-phase microextraction fiber for the selective analysis of auxins in tobacco 1. <i>Journal of Separation Science</i> , 2019, 42, 2687-2695.	2.5	11
26	Fluorescent kinetics combined with fourth-order calibration for the determination of diclofenac sodium in environmental water. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2019-2029.	3.7	11
27	Enhanced functional DNA biosensor for distance-based read-by-eye quantification of various analytes based on starch-hydrolysis-adjusted wettability change in paper devices. <i>RSC Advances</i> , 2020, 10, 28121-28127.	3.6	9
28	Effects of chlorpyrifos on the metabolic profiling of <i>Bacillus megaterium</i> strain RRB. <i>Chemosphere</i> , 2022, 297, 134189.	8.2	8
29	On-site, rapid and visual method for nanomolar Hg ²⁺ detection based on the thymine-Hg ²⁺ -thymine triggered aggregation of Au nanoparticles enhancing the Tyndall effect. <i>RSC Advances</i> , 2021, 11, 36859-36865.	3.6	7
30	Probing the binding mechanism of polybrominated diphenyl ethers with transthyretin by multi-spectroscopic and molecular dynamics simulations. <i>Analytical Methods</i> , 2017, 9, 3929-3940.	2.7	6
31	Target-triggered in situ autocatalysis in nanopore membrane for point-of-care testing of sub-nanomolar Ag ⁺ . <i>Sensors and Actuators B: Chemical</i> , 2019, 287, 290-295.	7.8	5
32	An electrochemical sensing platform based on local repression of electrolyte diffusion for single-step, reagentless, sensitive detection of a sequence-specific DNA-binding protein. <i>Analyst</i> , 2014, 139, 2193-2198.	3.5	3
33	Equipment-Free Quantitative Aptamer-Based Colorimetric Assay Based on Target-Mediated Viscosity Change. <i>ACS Omega</i> , 2018, 3, 1451-1457.	3.5	3
34	Direct determination of reserpine in urine using excitation-emission fluorescence combined with three-way chemometric calibration methodologies. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2008, 3, 224-228.	0.4	1