Yan Zhang

List of Publications by Year
in descending order

18	339	840776 11	839539 18
papers	citations	h-index	g-index

18	18	18	412
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Simultaneous detection of three foodborne pathogenic bacteria in food samples by microchip capillary electrophoresis in combination with polymerase chain reaction. Journal of Chromatography A, 2018, 1555, 100-105.	3.7	43
2	Simultaneous detection of streptomycin and kanamycin based on an all-solid-state potentiometric aptasensor array with a dual-internal calibration system. Sensors and Actuators B: Chemical, 2020, 311, 127857.	7.8	37
3	Simultaneous detection of different bacteria by microchip electrophoresis combined with universal primer-duplex polymerase chain reaction. Journal of Chromatography A, 2020, 1615, 460734.	3.7	32
4	Ultrasensitive biosensing pathogenic bacteria by combining aptamer-induced catalysed hairpin assembly circle amplification with microchip electrophoresis. Sensors and Actuators B: Chemical, 2020, 306, 127577.	7.8	31
5	Enantiomeric separation of tryptophan by open-tubular microchip capillary electrophoresis using polydopamine/gold nanoparticles conjugated DNA as stationary phase. Analytical Methods, 2017, 9, 3561-3568.	2.7	28
6	Onâ€line sample preconcentration technique based on a dynamic pH junction in CEâ€amperometric detection for the analysis of biogenic amines in urine. Electrophoresis, 2013, 34, 2041-2048.	2.4	27
7	Sensitive determination of neurotransmitters in urine by microchip electrophoresis with multiple-concentration approaches combining field-amplified and reversed-field stacking. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1025, 33-39.	2.3	20
8	Rapid detection of Escherichia coli by flow injection analysis coupled with amperometric method using an IrO2â€“Pd chemically modified electrode. Electrochemistry Communications, 2007, 9, 2157-2162.	4.7	18
9	Real-time monitoring of extracellular pH using a pH-potentiometric sensing SECM dual-microelectrode. Analytical and Bioanalytical Chemistry, 2020, 412, 3737-3743.	3.7	17
10	High sensitivity detection of Escherichia coli based on the measurement of Î²-galactosidase activity by microchip capillary electrophoresis combined with field-amplified sample injection. Analytical Methods, 2019, 11, 1558-1565.	2.7	16
11	A ratiometric electrochemical biosensor for glycated albumin detection based on enhanced nanozyme catalysis of cuprous oxide-modified reduced graphene oxide nanocomposites. Journal of Materials Chemistry B, 2021, 9, 9324-9332.	5.8	14
12	Probe-lengthening amplification-assisted microchip electrophoresis for ultrasensitive bacteria screening. Sensors and Actuators B: Chemical, 2020, 325, 128784.	7.8	12
13	Investigation of hydroxypropyl-Î²-cyclodextrin-based synergistic system with chiral nematic mesoporous silica as chiral stationary phase for enantiomeric separation in microchip electrophoresis. Talanta, 2020, 218, 121121.	5.5	11
14	Recent advances in microchip-based methods for the detection of pathogenic bacteria. Chinese Chemical Letters, 2022, 33, 2817-2831.	9.0	10
15	Review of microchip analytical methods for the determination of pathogenic Escherichia coli. Talanta, 2021, 232, 122410.	5.5	8
16	Sensitive analysis of reduced glutathione in bacteria and HaCaT cells by capillary electrophoresis via online pre-concentration of transient trapping combined with the dynamic pH junction mode. New Journal of Chemistry, 2017, 41, 12920-12929.	2.8	7
17	Double imprinting-based electrochemical detection of mimetic exosomes. Journal of Electroanalytical Chemistry, 2020, 862, 113969.	3.8	4
18	In situ monitoring of the effect of Cu²⁺ on the membrane permeability of a single living cell with a dual-electrode tip of a scanning electrochemical microscope. Analyst, The, 2021, 146, 7257-7264.	3.5	4