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	Recent advances in microchip-based methods for the detection of pathogenic bacteria. Chinese Chemical Letters, 2022, 33, 2817-2831.	9.0	10
2	Review of microchip analytical methods for the determination of pathogenic Escherichia coli. Talanta, 2021, 232, 122410.	5.5	8
3	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
4	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
5	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
6	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
7	Probe-lengthening amplification-assisted microchip electrophoresis for ultrasensitive bacteria screening. Sensors and Actuators B: Chemical, 2020, 325, 128784.	7.8	12
8	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
9	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
10	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
11	Double imprinting-based electrochemical detection of mimetic exosomes. Journal of Electroanalytical Chemistry, 2020, 862, 113969.	3.8	4
12	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
13	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
14	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
15	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
16	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
17	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
18	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