Su Liu

List of Publications by Year
in descending order

49 papers	1,295 citations	361045 20 h-index	360668 35 g-index
49 all docs	49 docs citations	49 times ranked	1837 citing authors

#	Article	IF	Citations
1	A novel sandwich-type electrochemical aptasensor based on GR-3D Au and aptamer-AuNPs-HRP for sensitive detection of oxytetracycline. Biosensors and Bioelectronics, 2017, 88, 181-187.	5.3	99
2	Robust and Universal SERS Sensing Platform for Multiplexed Detection of Alzheimerâ€™s Disease Core Biomarkers Using PAapt-AuNPs Conjugates. ACS Sensors, 2019, 4, 2140-2149.	4.0	94
3	Label-free and highly sensitive electrochemical detection of E. coli based on rolling circle amplifications coupled peroxidase-mimicking DNAzyme amplification. Biosensors and Bioelectronics, 2016, 75, 315-319.	5.3	92
4	Paper-based electrochemical cyto-device for sensitive detection of cancer cells and in situ anticancer drug screening. Analytica Chimica Acta, 2014, 847, 1-9.	2.6	87
5	Colorimetric detection of the flux of hydrogen peroxide released from living cells based on the high peroxidase-like catalytic performance of porous PtPd nanorods. Biosensors and Bioelectronics, 2015, 71, 456-462.	5.3	85
6	Visible photoelectrochemical sensing platform by in situ generated CdS quantum dots decorated branched-TiO 2 nanorods equipped with Prussian blue electrochromic display. Biosensors and Bioelectronics, 2017, 89, 859-865.	5.3	77
7	Targetâ€“aptamer binding triggered quadratic recycling amplification for highly specific and ultrasensitive detection of antibiotics at the attomole level. Chemical Communications, 2015, 51, 8377-8380.	2.2	55
8	Electrochemical K-562 cells sensor based on origami paper device for point-of-care testing. Talanta, 2015, 145, 12-19.	2.9	51
9	Stackable Lab-on-Paper Device with All-in-One Au Electrode for High-Efficiency Photoelectrochemical Cyto-Sensing. Analytical Chemistry, 2018, 90, 7212-7220.	3.2	46
10	Signal-on electrochemical detection of antibiotics at zeptomole level based on target-aptamer binding triggered multiple recycling amplification. Biosensors and Bioelectronics, 2016, 80, 471-476.	5.3	44
11	Ultrasensitive and rapid detection of miRNA with three-way junction structure-based trigger-assisted exponential enzymatic amplification. Biosensors and Bioelectronics, 2016, 81, 236-241.	5.3	40
12	A triply amplified electrochemical lead(II) sensor by using a DNAzyme and via formation of a DNA-gold nanoparticle network induced by a catalytic hairpin assembly. Mikrochimica Acta, 2019, 186, 559.	2.5	34
13	Low-background and visual detection of antibiotic based on target-activated colorimetric split peroxidase DNAzyme coupled with dual nicking enzyme signal amplification. Analytica Chimica Acta, 2018, 997, 1-8.	2.6	32
14	Circular exponential amplification of photoinduced electron transfer using hairpin probes, G-quadruplex DNAzyme and silver nanocluster-labeled DNA for ultrasensitive fluorometric determination of pathogenic bacteria. Mikrochimica Acta, 2018, 185, 168.	2.5	31
15	Toehold-mediated DNA strand displacement-driven super-fast tripedal DNA walker for ultrasensitive and label-free electrochemical detection of ochratoxin A. Analytica Chimica Acta, 2021, 1143, 21-30.	2.6	30
16	Exonuclease III-powered DNA Walking Machine for Label-free and Ultrasensitive Electrochemical Sensing of Antibiotic. Sensors and Actuators B: Chemical, 2019, 297, 126771.	4.0	27
17	Primer remodeling amplification-activated multisite-catalytic hairpin assembly enabling the concurrent formation of Y-shaped DNA nanotorches for the fluorescence assay of ochratoxin A. Analyst, The, 2019, 144, 3389-3397.	1.7	26
18	Ultrasensitive voltammetric determination of kanamycin using a target-triggered cascade enzymatic recycling couple along with DNAzyme amplification. Mikrochimica Acta, 2017, 184, 2941-2948.	2.5	22

#	Article	IF	Citations
19	A label-free electrochemical platform for the detection of antibiotics based on cascade enzymatic amplification coupled with a split G-quadruplex DNAzyme. Analyst, The, 2019, 144, 4995-5002.	1.7	22
20	Enzyme-free colorimetric assay for mercury(II) using DNA conjugated to gold nanoparticles and strand displacement amplification. Mikrochimica Acta, 2017, 184, 1969-1976.	2.5	20
21	A facile signal-on electrochemical DNA sensing platform for ultrasensitive detection of pathogenic bacteria based on Exo III-assisted autonomous multiple-cycle amplification. Analyst, The, 2019, 144, 3023-3029.	1.7	20
22	Ultrasensitive electrochemical detection of Hg²⁺based on an Hg²⁺-triggered exonuclease III-assisted target recycling strategy. Analyst, The, 2018, 143, 5771-5778.	1.7	19
23	Colorimetric and visual mercury(II) assay based on target-induced cyclic enzymatic amplification, thymine-Hg(II)-thymine interaction, and aggregation of gold nanoparticles. Mikrochimica Acta, 2019, 186, 105.	2.5	19
24	Accurate and Nonpurified Identification of Extracellular Vesicles Using Dual-Binding Recognition Mode. Analytical Chemistry, 2021, 93, 12383-12390.	3.2	19
25	SimultaneousÂvoltammetric determination of E. coli and S. typhimurium based on target recycling amplification using self-assembled hairpin probes on a gold electrode. Mikrochimica Acta, 2017, 184, 745-752.	2.5	18
26	Label-free, homogeneous, and ultrasensitive detection of pathogenic bacteria based on target-triggered isothermally exponential amplification. RSC Advances, 2016, 6, 62031-62037.	1.7	17
27	Exonuclease III-aided autonomous cascade signal amplification: a facile and universal DNA biosensing platform for ultrasensitive electrochemical detection of S. typhimurium. New Journal of Chemistry, 2017, 41, 7613-7620.	1.4	17
28	Entropy-driven spliced DNA walking machine for label-free electrochemical detection of antibiotics. Sensors and Actuators B: Chemical, 2020, 320, 128385.	4.0	16
29	Base excision repair initiated rolling circle amplification-based fluorescent assay for screening uracil-DNA glycosylase activity using Endo IV-assisted cleavage of AP probes. Analyst, The, 2018, 143, 3951-3958.	1.7	15
30	Efficient strand displacement amplification via stepwise movement of a bipedal DNA walker on an electrode surface for ultrasensitive detection of antibiotics. Analyst, The, 2020, 145, 2975-2981.	1.7	15
31	Triple-helix molecular-switch-actuated exponential rolling circular amplification for ultrasensitive fluorescence detection of miRNAs. Analyst, The, 2019, 144, 5245-5253.	1.7	11
32	Target-activated DNA nanomachines for the ATP detection based on the SERS of plasmonic coupling from gold nanoparticle aggregation. Analyst, The, 2020, 145, 445-452.	1.7	11
33	Highly efficient fluorescence sensing of kanamycin using Endo IV-powered DNA walker and hybridization chain reaction amplification. Mikrochimica Acta, 2020, 187, 193.	2.5	10
34	A functional oligonucleotide probe from an encapsulated silver nanocluster assembled by rolling circle amplification and its application in label-free sensors. RSC Advances, 2016, 6, 88967-88973.	1.7	9
35	Signal-on electrochemical detection of antibiotics based on exonuclease III-assisted autocatalytic DNA biosensing platform. RSC Advances, 2016, 6, 43501-43508.	1.7	8
36	DNA three-way junction-actuated strand displacement for miRNA detection using a fluorescence light-up Ag nanocluster probe. Analyst, The, 2019, 144, 3836-3842.	1.7	7

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37	Exonuclease III-aided recycling amplification of proximity ligation assay using thymine-melamine-thymine triplex structure for ultrasensitive fluorometric determination of melamine. Food Control, 2018, 92, 325-330.	2.8	6
38	Robust and highly specific fluorescence sensing of Salmonella typhimurium based on dual-functional phi29 DNA polymerase-mediated isothermal circular strand displacement polymerization. Analyst, The, 2019, 144, 4795-4802.	1.7	6
39	A three-dimensional dynamic DNA walker-mediated branching hybridization chain reaction for the ultrasensitive fluorescence sensing of ampicillin. Analyst, The, 2021, 146, 5413-5420.	1.7	6
40	Synthesis of polyaniline using electrochemical polymerization and application in a sensitive DNA biosensor with [Ru(bpy)3]2+ functionalized nanoporous gold composite as label. Monatshefte FÃ¼r Chemie, 2013, 144, 1759-1765.	0.9	5
41	Two-stage nicking enzyme signal amplification (NESA)-based biosensing platform for the ultrasensitive electrochemical detection of pathogenic bacteria. Analytical Methods, 2022, 14, 1490-1497.	1.3	5
42	Target-activated cascaded digestion amplification of exonuclease III aided signal-on and ultrasensitive fluorescence detection of ATP. New Journal of Chemistry, 2018, 42, 3534-3540.	1.4	4
43	Proximity-enabled bidirectional enzymatic repairing amplification for ultrasensitive fluorescence sensing of adenosine triphosphate. Analytica Chimica Acta, 2020, 1104, 156-163.	2.6	4
44	Target-swiped DNA lock for electrochemical sensing of miRNAs based on DNAzyme-assisted primer-generation amplification. Mikrochimica Acta, 2021, 188, 255.	2.5	3
45	Ultrasensitive Uracil-DNA Glycosylase Activity Assay and Its Inhibitor Screening Based on Primer Remodeling Jointly via Repair Enzyme and Polymerase. Langmuir, 2022, 38, 3868-3875.	1.6	3
46	Ultrasensitive electrochemical aptasensor based on palindromic sequence mediated bidirectional SDA and a DNAzyme walker for kanamycin detection. New Journal of Chemistry, 2022, 46, 10394-10401.	1.4	3
47	Sandwich-type electrochemiluminescence immunosensor based on poly(acrylic acid) coated Fe3O4 composite for human chorionic gonadotrophin detection using quantum dots functionalized CNTs as labels. Monatshefte FÃ¼r Chemie, 2014, 145, 147-154.	0.9	2
48	Fabrication of Lab-on-Paper Using Porous Au-Paper Electrode: Application to Tumor Marker Electrochemical Immunoassays. Methods in Molecular Biology, 2017, 1572, 125-134.	0.4	2
49	Responsive Cysteine-Lighted Silver Nanoclusters Regulated by Highly Catalytic G-Quadruplex DNAzyme for Ultrasensitive Detection of Salmonella Typhimurium. Food Analytical Methods, 2022, 15, 2633-2641.	1.3	1