Zhanmin Liu

List of Publications by Year
in descending order

30 papers	492 citations	687363 13 h-index	713466 21 g-index
30 all docs	30 docs citations	30 times ranked	563 citing authors

#	Article	IF	Citations
1	A visual on-site biosensor for low-cost detection of chloramphenicol based on aptamer and split DNAzyme. Analytical Sciences, 2022, 38, 369-375.	1.6	2
2	An enhanced visual detection assay for Listeria monocytogenes in food based on isothermal amplified peroxidase-mimicking catalytic beacon. Food Control, 2022, 134, 108721.	5.5	9
3	Diagnostic techniques for COVID-19: A mini-review. Journal of Virological Methods, 2022, 301, 114437.	2.1	12
4	Signal-enhanced visual strand exchange amplification detection of African swine fever virus by the introduction of multimeric G-quadruplex/hemin DNAzyme. Analytical Sciences, 2022, 38, 675-682.	1.6	4
5	Feâ€“Nâ€“C single-atom nanozymes based sensor array for dual signal selective determination of antioxidants. Biosensors and Bioelectronics, 2022, 205, 114097.	10.1	45
6	Development of an enhanced visual signal amplification assay for GSH detection with DNA-cleaving DNAzyme as a trigger. Sensors and Actuators B: Chemical, 2022, 365, 131932.	7.8	5
7	Development of an in-situ signal amplified electrochemical assay for detection of Listeria monocytogenes with label-free strategy. Food Chemistry, 2021, 358, 129894.	8.2	21
8	A turn-off colorimetric DNAzyme-aptasensor for ultra-high sensitive detection of viable Cronobacter sakazakii. Sensors and Actuators B: Chemical, 2020, 322, 128646.	7.8	21
9	A signal cascade amplification strategy based on RT-PCR triggering of a G-quadruplex DNAzyme for a novel electrochemical detection of viable Cronobacter sakazakii. Analyst, The, 2020, 145, 4477-4483.	3.5	15
10	Genome-wide identification of phospholipase D (PLD) gene family and their responses to low-temperature stress in peach. AIP Conference Proceedings, 2019, , .	0.4	6
11	A label-free fluorescent enhancement nanosensor for ultrasensitive and highly selective detection of miRNA-378 through signal synergy amplification. Analytica Chimica Acta, 2019, 1087, 86-92.	5.4	9
12	Amplified visual detection of microRNA-378 through a T4 DNA ligase-mediated circular template specific to target and target-triggering rolling circle amplification. Analytical Methods, 2019, 11, 2082-2088.	2.7	9
13	Visual diagnostic of Helicobacter pylori based on a cascade amplification of PCR and G-quadruplex DNAzyme as a color label. Journal of Microbiological Methods, 2018, 146, 46-50.	1.6	17
14	A G-quadruplex DNAzyme-based LAMP biosensing platform for a novel colorimetric detection ofListeria monocytogenes. Analytical Methods, 2018, 10, 848-854.	2.7	22
15	Development of DNAzyme-based PCR signal cascade amplification for visual detection of Listeria monocytogenes in food. Analytical Biochemistry, 2018, 553, 7-11.	2.4	17
16	Colorimetric detection of Cucumber green mottle mosaic virus using unmodified gold nanoparticles as colorimetric probes. Journal of Virological Methods, 2017, 243, 113-119.	2.1	34
17	Physiological effect of graphene oxide on tobacco BY-2 suspension cells and its immigration. Vibroengineering PROCEDIA, 2017, 11, 129-134.	0.5	0
18	Visual detection of Maize chlorotic mottle virus by asymmetric polymerase chain reaction with unmodified gold nanoparticles as the colorimetric probe. Analytical Methods, 2016, 8, 6959-6964.	2.7	9

#	Article	IF	Citations
19	Development of real-time reverse transcription PCR for detection of Maize chlorotic mottle virus based on a novel molecular marker. Cogent Food and Agriculture, 2016, 2, .	1.4	3
20	Colorimetric detection of Maize chlorotic mottle virus by reverse transcription loop-mediated isothermal amplification (RT-LAMP) with hydroxynapthol blue dye. RSC Advances, 2016, 6, 73-78.	3.6	14
21	Development of a Loopâ€Mediated Isothermal Amplification Assay Based on lmo0460 Sequence for Detection of <scp>L</scp>isteria monocytogenes. Journal of Food Safety, 2015, 35, 362-369.	2.3	11
22	Prediction of Enzyme’s Family Based on Protein-Protein Interaction Network. Current Bioinformatics, 2015, 10, 16-21.	1.5	8
23	Visual detection of Maize chlorotic mottle virus using unmodified gold nanoparticles. RSC Advances, 2015, 5, 100891-100897.	3.6	15
24	Optimization of fermentation conditions of pectin production from Aspergillus terreus and its partial characterization. Carbohydrate Polymers, 2015, 134, 627-634.	10.2	11
25	Visual detection of Listeria monocytogenes using unmodified gold nanoparticles based on a novel marker. Analytical Methods, 2015, 7, 8159-8164.	2.7	16
26	Genome-wide identification, characterization and expression analysis of the auxin response factor gene family in Vitis vinifera. Plant Cell Reports, 2014, 33, 1365-1375.	5.6	67
27	Medium optimization for protopectinase production by batch culture of Aspergillus terreus. African Journal of Biotechnology, 2011, 10, .	0.6	2
28	Lipase catalyzed acidolysis of lard with capric acid in organic solvent. Journal of Food Engineering, 2007, 78, 41-46.	5.2	63
29	Lipase-catalysed acidolysis of lard with caprylic acid to produce structured lipid. International Journal of Food Science and Technology, 2006, 41, 1027-1032.	2.7	17
30	Heterologous expression and purification of protopectinase-N from Bacillus subtilis in Pichia pastoris. Process Biochemistry, 2006, 41, 975-979.	3.7	8