Chao Zhao

List of Publications by Year
in descending order

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52	1,132	394421	434195
papers	citations	19 h-index	31 g-index

52	52	52	1229
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Applications of hybridization chain reaction optical detection incorporating nanomaterials: A review. Analytica Chimica Acta, 2022, 1190, 338930.	5.4	11
2	A concise detection strategy of Staphylococcus aureus using N-Succinyl-Chitosan-dopped bacteria-imprinted composite film and AIE fluorescence sensor. Journal of Hazardous Materials, 2022, 423, 126934.	12.4	21
3	Detection of four foodborne pathogens based on magnetic separation multiplex PCR and capillary electrophoresis. Biotechnology Journal, 2022, 17, e2100335.	3.5	12
4	A colorimetric sensor for Staphylococcus aureus detection based on controlled click chemical-induced aggregation of gold nanoparticles and immunomagnetic separation. Mikrochimica Acta, 2022, 189, 104.	5.0	10
5	Multiplex detection of foodborne pathogens using inductively coupled plasma mass spectrometry, magnetic separation and metal nanoclusters-mediated signal amplification. Sensors and Actuators B: Chemical, 2022, 359, 131581.	7.8	10
6	Colorimetric determination of Listeria monocytogenes using aptamer and urease dual-labeled magnetic nanoparticles and cucurbit[7]uril-mediated supramolecular assembly of gold nanoparticle. Mikrochimica Acta, 2022, 189, 41.	5.0	8
7	Rapid qualitative and quantitative detection of Salmonella typhimurium using a single-step dual photometric/fluorometric assay. Mikrochimica Acta, 2022, 189, 218.	5.0	4
8	Preparation of IgY Oriented Conjugated Fe3O4 MNPs as Immunomagnetic Nanoprobe for Increasing Enrichment Efficiency of Staphylococcus aureus Based on Adjusting the pH of the Solution System. Frontiers in Public Health, 2022, 10, .	2.7	5
9	Colorimetric detection of Salmonella typhimurium based on hexadecyl trimethyl ammonium bromide-induced supramolecular assembly of Î²-cyclodextrin-capped gold nanoparticles. Analytical and Bioanalytical Chemistry, 2022, 414, 6069-6076.	3.7	5
10	Promising application of polyoxometalates in the treatment of cancer, infectious diseases and Alzheimerâ€™s disease. Journal of Biological Inorganic Chemistry, 2022, 27, 405-419.	2.6	14
11	Feasibility Study on Facile and One-step Colorimetric Determination of Glutathione by Exploiting Oxidase-like Activity of Fe3O4-MnO2 Nanocomposites. Analytical Sciences, 2021, 37, 1355-1360.	1.6	2
12	Smoking cessation in late life is associated with increased risk of all-cause mortality amongst oldest old people: a community-based prospective cohort study. Age and Ageing, 2021, 50, 1298-1305.	1.6	3
13	A multicolor sensing system for simultaneous detection of four foodborne pathogenic bacteria based on Fe3O4/MnO2 nanocomposites and the etching of gold nanorods. Food and Chemical Toxicology, 2021, 149, 112035.	3.6	15
14	The multi-ferroelectricity in neodymium ferrite with perovskite structure. Journal of Materials Science, 2021, 56, 10488-10493.	3.7	2
15	Enzyme-free and label-free detection of Staphylococcus aureus based on target-inhibited fluorescence signal recovery. Food and Chemical Toxicology, 2021, 150, 112071.	3.6	12
16	Detection of formaldehyde (HCHO) in solution based on the autocatalytic oxidation reaction of o-phenylenediamine (OPD) induced by silver ions (Ag+). Journal of the Iranian Chemical Society, 2021, 18, 3387-3397.	2.2	7
17	A detection method of Escherichia coli O157:H7 based on immunomagnetic separation and aptamers-gold nanoparticle probe quenching Rhodamine Bâ€™s fluorescence. Food Science and Biotechnology, 2021, 30, 1129-1138.	2.6	7
18	One-step colorimetric detection of Staphylococcus aureus based on target-induced shielding against the peroxidase mimicking activity of aptamer-functionalized gold-coated iron oxide nanocomposites. Talanta, 2021, 232, 122448.	5.5	23

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19	Label-Free Detection of Staphylococcus aureus Based on Bacteria-Imprinted Polymer and Turn-on Fluorescence Probes. ACS Applied Bio Materials, 2021, 4, 420-427.	4.6	12
20	Multi-functional magnetic molecular imprinting probe for visual detection of IgY antibodies. Mikrochimica Acta, 2021, 188, 378.	5.0	4
21	Rapid detection of Vibrio parahaemolyticus using magnetic nanobead-based immunoseparation and quantum dot-based immunofluorescence. RSC Advances, 2021, 11, 38638-38647.	3.6	12
22	Multiferroicity in the YFeO3 crystal. Functional Materials Letters, 2020, 13, 1950088.	1.2	7
23	Colorimetric Immunoassay for the Detection of Staphylococcus aureus by Using Magnetic Carbon Dots and Sliver Nanoclusters as o-Phenylenediamine-Oxidase Mimetics. Food Analytical Methods, 2020, 13, 833-838.	2.6	19
24	Rapid visualized isothermal nucleic acid testing of Vibrio parahaemolyticus by polymerase spiral reaction. Analytical and Bioanalytical Chemistry, 2020, 412, 93-101.	3.7	25
25	Simultaneous Detection of Three Foodborne Pathogens Based on Immunomagnetic Nanoparticles and Fluorescent Quantum Dots. ACS Omega, 2020, 5, 23070-23080.	3.5	25
26	Paper chip-based colorimetric assay for detection of Salmonella typhimurium by combining aptamer-modified Fe3O4@Ag nanoprobes and urease activity inhibition. Mikrochimica Acta, 2020, 187, 554.	5.0	21
27	Colorimetric immunoassay for rapid detection of Staphylococcus aureus based on etching-enhanced peroxidase-like catalytic activity of gold nanoparticles. Mikrochimica Acta, 2020, 187, 504.	5.0	46
28	Analyte-triggered autoacceleration of 4-mercaptophenylboronic acid-mediated aggregation of silver nanoparticles for facile and one-step ratiometric colorimetric method for detection of ascorbic acid. Microchemical Journal, 2020, 158, 105122.	4.5	11
29	Production of Phage Display-Derived Peptide and the Application for Detecting Vibrio parahaemolyticus by Combined PCR Technology. Food Analytical Methods, 2020, 13, 1906-1917.	2.6	6
30	A novel fluorescence method for the rapid and effective detection of Listeria monocytogenes using aptamer-conjugated magnetic nanoparticles and aggregation-induced emission dots. Analyst, The, 2020, 145, 3857-3863.	3.5	29
31	Multi-functional MnO2-doped Fe3O4 nanoparticles as an artificial enzyme for the colorimetric detection of bacteria. Analytical and Bioanalytical Chemistry, 2020, 412, 3135-3140.	3.7	11
32	Rapid and selective recognition of Vibrio parahaemolyticus assisted by perfluorinated alkoxysilane modified molecularly imprinted polymer film. RSC Advances, 2020, 10, 14305-14312.	3.6	11
33	Colorimetric detection of Staphylococcus aureus using gold nanorods labeled with yolk immunoglobulin and urease, magnetic beads, and a phenolphthalein impregnated test paper. Mikrochimica Acta, 2019, 186, 611.	5.0	18
34	Bovine serum albumin-templated MnO2 nanoparticles are peroxidase mimics for glucose determination by luminol chemiluminescence. Microchemical Journal, 2019, 149, 104050.	4.5	18
35	Preparation and identification of chicken egg yolk immunoglobulins against human enterovirus 71 for diagnosis of hand-foot-and-mouth disease. Analytical Biochemistry, 2019, 573, 44-50.	2.4	6
36	Fluorescence signal amplification assay for the detection of B. melitensis 16M, based on peptide-mediated magnetic separation technology and a AuNP-mediated bio-barcode assembled by quantum dot technology. Analyst, The, 2019, 144, 2704-2715.	3.5	11

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37	A novel visual-mixed-dye for LAMP and its application in the detection of foodborne pathogens. Analytical Biochemistry, 2019, 574, 1-6.	2.4	35
38	A multicolorimetric assay for rapid detection of Listeria monocytogenes based on the etching of gold nanorods. Analytica Chimica Acta, 2019, 1048, 154-160.	5.4	44
39	Development of a low-cost paper-based ELISA method for rapid Escherichia coli O157:H7 detection. Analytical Biochemistry, 2018, 542, 58-62.	2.4	144
40	Colorimetric immunoassay for Listeria monocytogenes by using core gold nanoparticles, silver nanoclusters as oxidase mimetics, and aptamer-conjugated magnetic nanoparticles. Mikrochimica Acta, 2018, 185, 360.	5.0	57
41	Development of a self-priming PDMS/paper hybrid microfluidic chip using mixed-dye-loaded loop-mediated isothermal amplification assay for multiplex foodborne pathogens detection. Analytica Chimica Acta, 2018, 1040, 81-89.	5.4	63
42	Colorimetric Immunoassay for Rapid Detection of Vibrio parahemolyticus Based on Mn²⁺ Mediates the Assembly of Gold Nanoparticles. Journal of Agricultural and Food Chemistry, 2018, 66, 9516-9521.	5.2	44
43	A sandwich immunoassay for brucellosis diagnosis based on immune magnetic beads and quantum dots. Journal of Pharmaceutical and Biomedical Analysis, 2017, 141, 79-86.	2.8	28
44	Selective turn-on fluorescence detection of Vibrio parahaemolyticus in food based on charge-transfer between CdSe/ZnS quantum dots and gold nanoparticles. Food Control, 2017, 80, 380-387.	5.5	45
45	A Rapid Detection Method of Brucella with Quantum Dots and Magnetic Beads Conjugated with Different Polyclonal Antibodies. Nanoscale Research Letters, 2017, 12, 179.	5.7	28
46	Colorimetric immunoassay for rapid detection of Vibrio parahaemolyticus. Mikrochimica Acta, 2017, 184, 4785-4792.	5.0	40
47	Rapid and Quantitative Detection of Vibrio parahemolyticus by the Mixed-Dye-Based Loop-Mediated Isothermal Amplification Assay on a Self-Priming Compartmentalization Microfluidic Chip. Journal of Agricultural and Food Chemistry, 2017, 65, 11312-11319.	5.2	35
48	Genotoxicity and acute and subchronic toxicity studies of a bioactive polyoxometalate in Wistar rats. BMC Pharmacology & Toxicology, 2017, 18, 26.	2.4	7
49	Diaryl-1,2,4-oxadiazole antioxidants: Synthesis and properties of inhibiting the oxidation of DNA and scavenging radicals. Biochimie, 2013, 95, 842-849.	2.6	13
50	Modification by ferrocene: An approach to enhance antioxidant ability of ailanthoidol to protect DNA. Biochimie, 2012, 94, 1805-1811.	2.6	10
51	Comparison of antioxidant abilities of magnolol and honokiol to scavenge radicals and to protect DNA. Biochimie, 2011, 93, 1755-1760.	2.6	70
52	Synthesis of hydroxyferrocifen and its abilities to protect DNA and to scavenge radicals. Journal of Biological Inorganic Chemistry, 2011, 16, 1169-1176.	2.6	6