

# Kun Xu

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

1,002  
citations

394421

19  
h-index

454955

30  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1177  
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of hybridization chain reaction optical detection incorporating nanomaterials: A review. <i>Analytica Chimica Acta</i> , 2022, 1190, 338930.	5.4	11
2	Rapid and sensitive detection of <i>Escherichia coli</i> O157:H7 based on silver nanocluster fluorescent probe. <i>Journal of the Iranian Chemical Society</i> , 2022, 19, 1339-1346.	2.2	3
3	Detection of four foodborne pathogens based on magnetic separation multiplex PCR and capillary electrophoresis. <i>Biotechnology Journal</i> , 2022, 17, e2100335.	3.5	12
4	Multiplex detection of foodborne pathogens using inductively coupled plasma mass spectrometry, magnetic separation and metal nanoclusters-mediated signal amplification. <i>Sensors and Actuators B: Chemical</i> , 2022, 359, 131581.	7.8	10
5	EGCG Regulates Cell Apoptosis of Human Umbilical Vein Endothelial Cells Grown on 316L Stainless Steel for Stent Implantation. <i>Drug Design, Development and Therapy</i> , 2021, Volume 15, 493-499.	4.3	4
6	Study on immunogenicity and antigenicity of a novel brucella multi-epitope recombinant protein. <i>Biochemical and Biophysical Research Communications</i> , 2021, 540, 37-41.	2.1	9
7	Detection of formaldehyde (HCHO) in solution based on the autocatalytic oxidation reaction of o-phenylenediamine (OPD) induced by silver ions (Ag <sup>+</sup> ). <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 3387-3397.	2.2	7
8	Evaluation of glycemic index, antioxidant capacity, and metabolic effects of a fermented beverage made from Changbai Mountain fruit and vegetables. <i>Journal of Food Biochemistry</i> , 2021, 45, e13796.	2.9	0
9	A detection method of <i>Escherichia coli</i> O157:H7 based on immunomagnetic separation and aptamers-gold nanoparticle probe quenching Rhodamine B's fluorescence. <i>Food Science and Biotechnology</i> , 2021, 30, 1129-1138.	2.6	7
10	One-step colorimetric detection of <i>Staphylococcus aureus</i> based on target-induced shielding against the peroxidase mimicking activity of aptamer-functionalized gold-coated iron oxide nanocomposites. <i>Talanta</i> , 2021, 232, 122448.	5.5	23
11	Label-Free Detection of <i>Staphylococcus aureus</i> Based on Bacteria-Imprinted Polymer and Turn-on Fluorescence Probes. <i>ACS Applied Bio Materials</i> , 2021, 4, 420-427.	4.6	12
12	Rapid detection of <i>Vibrio parahaemolyticus</i> using magnetic nanobead-based immunoseparation and quantum dot-based immunofluorescence. <i>RSC Advances</i> , 2021, 11, 38638-38647.	3.6	12
13	Lateral Flow Immunoassay for Visible Detection of Human Brucellosis Based on Blue Silica Nanoparticles. <i>Frontiers in Veterinary Science</i> , 2021, 8, 771341.	2.2	6
14	Rapid visualized isothermal nucleic acid testing of <i>Vibrio parahaemolyticus</i> by polymerase spiral reaction. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 93-101.	3.7	25
15	Simultaneous detection of three zoonotic pathogens based on phage display peptide and multicolor quantum dots. <i>Analytical Biochemistry</i> , 2020, 608, 113854.	2.4	18
16	Simultaneous Detection of Three Foodborne Pathogens Based on Immunomagnetic Nanoparticles and Fluorescent Quantum Dots. <i>ACS Omega</i> , 2020, 5, 23070-23080.	3.5	25
17	Paper chip-based colorimetric assay for detection of <i>Salmonella typhimurium</i> by combining aptamer-modified Fe <sub>3</sub> O <sub>4</sub> @Ag nanoprobe and urease activity inhibition. <i>Mikrochimica Acta</i> , 2020, 187, 554.	5.0	21
18	Colorimetric immunoassay for rapid detection of <i>Staphylococcus aureus</i> based on etching-enhanced peroxidase-like catalytic activity of gold nanoparticles. <i>Mikrochimica Acta</i> , 2020, 187, 504.	5.0	46

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19	A novel recombinant multi-epitope protein candidate for the diagnosis of brucellosis: A pilot study. <i>Journal of Microbiological Methods</i> , 2020, 174, 105964.	1.6	1
20	Production of Phage Display-Derived Peptide and the Application for Detecting <i>Vibrio parahaemolyticus</i> by Combined PCR Technology. <i>Food Analytical Methods</i> , 2020, 13, 1906-1917.	2.6	6
21	Epigallocatechin gallate modulates the diversity of gut microbiota in ovariectomized rats. <i>Food Science and Nutrition</i> , 2020, 8, 1295-1302.	3.4	5
22	A novel fluorescence method for the rapid and effective detection of <i>Listeria monocytogenes</i> using aptamer-conjugated magnetic nanoparticles and aggregation-induced emission dots. <i>Analyst</i> , 2020, 145, 3857-3863.	3.5	29
23	Rapid and selective recognition of <i>Vibrio parahaemolyticus</i> assisted by perfluorinated alkoxysilane modified molecularly imprinted polymer film. <i>RSC Advances</i> , 2020, 10, 14305-14312.	3.6	11
24	Colorimetric detection of <i>Staphylococcus aureus</i> using gold nanorods labeled with yolk immunoglobulin and urease, magnetic beads, and a phenolphthalein impregnated test paper. <i>Mikrochimica Acta</i> , 2019, 186, 611.	5.0	18
25	A cross-sectional survey based on blood VOCs, hematological parameters and urine indicators in a population in Jilin, Northeast China. <i>Environmental Geochemistry and Health</i> , 2019, 41, 1599-1615.	3.4	5
26	Preparation and identification of chicken egg yolk immunoglobulins against human enterovirus 71 for diagnosis of hand-foot-and-mouth disease. <i>Analytical Biochemistry</i> , 2019, 573, 44-50.	2.4	6
27	Fluorescence signal amplification assay for the detection of <i>B. melitensis</i> 16M, based on peptide-mediated magnetic separation technology and a AuNP-mediated bio-barcode assembled by quantum dot technology. <i>Analyst</i> , 2019, 144, 2704-2715.	3.5	11
28	A novel visual-mixed-dye for LAMP and its application in the detection of foodborne pathogens. <i>Analytical Biochemistry</i> , 2019, 574, 1-6.	2.4	35
29	Development and Assessment of a Paper-based Enzyme-linked Immunosorbent Assay for the Colorimetric Diagnosis of Human Brucellosis. <i>Analytical Letters</i> , 2019, 52, 1614-1628.	1.8	4
30	A multicolorimetric assay for rapid detection of <i>Listeria monocytogenes</i> based on the etching of gold nanorods. <i>Analytica Chimica Acta</i> , 2019, 1048, 154-160.	5.4	44
31	Development of a low-cost paper-based ELISA method for rapid <i>Escherichia coli</i> O157:H7 detection. <i>Analytical Biochemistry</i> , 2018, 542, 58-62.	2.4	144
32	Colorimetric immunoassay for <i>Listeria monocytogenes</i> by using core gold nanoparticles, silver nanoclusters as oxidase mimetics, and aptamer-conjugated magnetic nanoparticles. <i>Mikrochimica Acta</i> , 2018, 185, 360.	5.0	57
33	Development of a self-priming PDMS/paper hybrid microfluidic chip using mixed-dye-loaded loop-mediated isothermal amplification assay for multiplex foodborne pathogens detection. <i>Analytica Chimica Acta</i> , 2018, 1040, 81-89.	5.4	63
34	Colorimetric Immunoassay for Rapid Detection of <i>Vibrio parahemolyticus</i> Based on Mn <sup>2+</sup> Mediates the Assembly of Gold Nanoparticles. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 9516-9521.	5.2	44
35	A sandwich immunoassay for brucellosis diagnosis based on immune magnetic beads and quantum dots. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 141, 79-86.	2.8	28
36	Selective turn-on fluorescence detection of <i>Vibrio parahaemolyticus</i> in food based on charge-transfer between CdSe/ZnS quantum dots and gold nanoparticles. <i>Food Control</i> , 2017, 80, 380-387.	5.5	45

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37	A Rapid Detection Method of Brucella with Quantum Dots and Magnetic Beads Conjugated with Different Polyclonal Antibodies. <i>Nanoscale Research Letters</i> , 2017, 12, 179.	5.7	28
38	Colorimetric immunoassay for rapid detection of <i>Vibrio parahaemolyticus</i> . <i>Mikrochimica Acta</i> , 2017, 184, 4785-4792.	5.0	40
39	Genotoxicity and acute and subchronic toxicity studies of a bioactive polyoxometalate in Wistar rats. <i>BMC Pharmacology &amp; Toxicology</i> , 2017, 18, 26.	2.4	7
40	Knockdown of Nogo gene by short hairpin RNA interference promotes functional recovery of spinal cord injury in a rat model. <i>Molecular Medicine Reports</i> , 2016, 13, 4431-4436.	2.4	11
41	A novel recombinant multi-epitope protein against <i>Brucella melitensis</i> infection. <i>Immunology Letters</i> , 2016, 175, 1-7.	2.5	25
42	A novel multi-epitope recombined protein for diagnosis of human brucellosis. <i>BMC Infectious Diseases</i> , 2016, 16, 219.	2.9	35
43	Curcumin upregulates S100 expression and improves regeneration of the sciatic nerve following its complete amputation in mice. <i>Neural Regeneration Research</i> , 2016, 11, 1304.	3.0	24
44	Pharmacokinetics of Anti-HBV Polyoxometalate in Rats. <i>PLoS ONE</i> , 2014, 9, e98292.	2.5	12
45	Self-assembly of a 3-D self-catenated framework based on $[V_4O_{12}]^{4-}$ polyoxoanions and cobalt-organic polymer. <i>Journal of Coordination Chemistry</i> , 2013, 66, 1228-1237.	2.2	4
46	A new inorganic-organic hybrid compound constructed from polyoxoanions and rare earth coordination complexes. <i>Transition Metal Chemistry</i> , 2006, 31, 770-775.	1.4	8