

Yu Xia

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40
papers

1,587
citations

24
h-index

39
g-index

41
ext. papers

1,833
ext. citations

5
avg, IF

4.49
L-index

#	Paper	IF	Citations
40	Preparation of recombinant <i>Kluyveromyces lactis</i> agents for simultaneous degradation of two mycotoxins.. <i>AMB Express</i> , 2022 , 12, 20	4.1	
39	Selection, truncation and fluorescence polarization based aptasensor for <i>Weissella viridescens</i> detection. <i>Talanta</i> , 2022 , 123499	6.2	0
38	Hybrid Genome Assembly of sp. E602 and Bioinformatic Analysis Characterized a New Plasmid-Borne Operon Under Positive Selection. <i>Frontiers in Microbiology</i> , 2021 , 12, 783195	5.7	
37	Simultaneous degradation of two mycotoxins enabled by a fusion enzyme in food-grade recombinant <i>Kluyveromyces lactis</i> . <i>Bioresources and Bioprocessing</i> , 2021 , 8,	5.2	6
36	Research Advances of d-allulose: An Overview of Physiological Functions, Enzymatic Biotransformation Technologies, and Production Processes. <i>Foods</i> , 2021 , 10,	4.9	3
35	Food-Grade Expression of Manganese Peroxidases in Recombinant and Degradation of Aflatoxin B Using Fermentation Supernatants.. <i>Frontiers in Microbiology</i> , 2021 , 12, 821230	5.7	0
34	Selection and characterization, application of a DNA aptamer targeted to <i>Streptococcus pyogenes</i> in cooked chicken. <i>Analytical Biochemistry</i> , 2018 , 551, 37-42	3.1	9
33	SERS aptasensor for <i>Salmonella typhimurium</i> detection based on spiny gold nanoparticles. <i>Food Control</i> , 2018 , 84, 232-237	6.2	51
32	Purification, characterization, and gene cloning of a new cold-adapted β galactosidase from <i>Erwinia</i> sp. E602 isolated in northeast China. <i>Journal of Dairy Science</i> , 2018 , 101, 6946-6954	4	13
31	Magnetic Separation-Based Multiple SELEX for Effectively Selecting Aptamers against Saxitoxin, Domoic Acid, and Tetrodotoxin. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 9801-9809	5.7	37
30	An enhanced chemiluminescence resonance energy transfer aptasensor based on rolling circle amplification and WS nanosheet for <i>Staphylococcus aureus</i> detection. <i>Analytica Chimica Acta</i> , 2017 , 959, 83-90	6.6	46
29	A novel aptasensor for the colorimetric detection of <i>S. typhimurium</i> based on gold nanoparticles. <i>International Journal of Food Microbiology</i> , 2017 , 245, 1-5	5.8	40
28	Ultrasensitive SERS aptasensor for the detection of oxytetracycline based on a gold-enhanced nano-assembly. <i>Talanta</i> , 2017 , 165, 412-418	6.2	40
27	A Novel Colorimetric Detection of <i>S. typhimurium</i> Based on Fe ₃ O ₄ Magnetic Nanoparticles and Gold Nanoparticles. <i>Food Analytical Methods</i> , 2017 , 10, 2735-2742	3.4	11
26	A competitive fluorescent aptasensor for okadaic acid detection assisted by rolling circle amplification. <i>Mikrochimica Acta</i> , 2017 , 184, 2893-2899	5.8	15
25	A chemiluminescent aptasensor based on rolling circle amplification and Co/N-(aminobutyl)-N-(ethylisoluminol) functional flowerlike gold nanoparticles for <i>Salmonella typhimurium</i> detection. <i>Talanta</i> , 2017 , 164, 275-282	6.2	21
24	Graphene oxide-assisted non-immobilized SELEX of okdaic acid aptamer and the analytical application of aptasensor. <i>Scientific Reports</i> , 2016 , 6, 21665	4.9	55

23	Selection, characterization and application of aptamers targeted to Aflatoxin B2. <i>Food Control</i> , 2015 , 47, 545-551	6.2	36
22	Impedimetric aptasensor for <i>Staphylococcus aureus</i> based on nanocomposite prepared from reduced graphene oxide and gold nanoparticles. <i>Mikrochimica Acta</i> , 2014 , 181, 967-974	5.8	83
21	Selection, identification, and application of Aflatoxin B1 aptamer. <i>European Food Research and Technology</i> , 2014 , 238, 919-925	3.4	56
20	Preparation of gold nanoparticles-agarose gel composite and its application in SERS detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 121, 657-61	4.4	13
19	A universal fluorescent aptasensor based on AccuBlue dye for the detection of pathogenic bacteria. <i>Analytical Biochemistry</i> , 2014 , 454, 1-6	3.1	25
18	Selection and characterization of single stranded DNA aptamers recognizing fumonisin B1. <i>Mikrochimica Acta</i> , 2014 , 181, 1317-1324	5.8	34
17	A visual detection method for <i>Salmonella Typhimurium</i> based on aptamer recognition and nanogold labeling. <i>Food Control</i> , 2014 , 37, 188-192	6.2	47
16	Selection, identification and application of a DNA aptamer against <i>Staphylococcus aureus</i> enterotoxin A. <i>Analytical Methods</i> , 2014 , 6, 690-697	3.2	37
15	Screening and identification of DNA aptamers against T-2 toxin assisted by graphene oxide. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 10368-74	5.7	58
14	Determination of <i>Salmonella typhimurium</i> by a Fluorescence Resonance Energy Transfer Biosensor Using Upconversion Nanoparticles as Labels. <i>Analytical Letters</i> , 2014 , 47, 2048-2060	2.2	5
13	A sensitive gold nanoparticle-based colorimetric aptasensor for <i>Staphylococcus aureus</i> . <i>Talanta</i> , 2014 , 127, 163-8	6.2	84
12	Modification of fish skin collagen film and absorption property of tannic acid. <i>Journal of Food Science and Technology</i> , 2014 , 51, 1102-9	3.3	9
11	Visual detection and microplate assay for <i>Staphylococcus aureus</i> based on aptamer recognition coupled to tyramine signal amplification. <i>Mikrochimica Acta</i> , 2014 , 181, 321-327	5.8	25
10	A highly sensitive fluorescence resonance energy transfer aptasensor for staphylococcal enterotoxin B detection based on exonuclease-catalyzed target recycling strategy. <i>Analytica Chimica Acta</i> , 2013 , 782, 59-66	6.6	52
9	In vitro selection of a DNA aptamer targeted against <i>Shigella dysenteriae</i> . <i>Journal of Microbiological Methods</i> , 2013 , 94, 170-4	2.8	40
8	Homogenous detection of fumonisin B(1) with a molecular beacon based on fluorescence resonance energy transfer between NaYF4: Yb, Ho upconversion nanoparticles and gold nanoparticles. <i>Talanta</i> , 2013 , 116, 611-8	6.2	52
7	How are the non-classically secreted bacterial proteins released into the extracellular milieu?. <i>Current Microbiology</i> , 2013 , 67, 688-95	2.4	41
6	A dual-color flow cytometry protocol for the simultaneous detection of <i>Vibrio parahaemolyticus</i> and <i>Salmonella typhimurium</i> using aptamer conjugated quantum dots as labels. <i>Analytica Chimica Acta</i> , 2013 , 804, 151-8	6.6	62

5	Selection and characterization of aptamers against <i>Salmonella typhimurium</i> using whole-bacterium Systemic Evolution of Ligands by Exponential Enrichment (SELEX). <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 3229-34	5.7	120
4	Selection and identification of ssDNA aptamers recognizing zearalenone. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 6573-81	4.4	76
3	Multiplexed fluorescence resonance energy transfer aptasensor between upconversion nanoparticles and graphene oxide for the simultaneous determination of mycotoxins. <i>Analytical Chemistry</i> , 2012 , 84, 6263-70	7.8	265
2	Construction of a new food-grade expression system for <i>Bacillus subtilis</i> based on theta replication plasmids and auxotrophic complementation. <i>Applied Microbiology and Biotechnology</i> , 2007 , 76, 643-50	5.7	10
1	Construction of an integrative food-grade expression system for <i>Bacillus subtilis</i> . <i>Food Research International</i> , 2005 , 38, 251-256	7	7