

Yu Wang

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

525
citations

759233

12
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

579
citing authors

#	ARTICLE	IF	CITATIONS
1	CRISPR-Cas9 Triggered Two-Step Isothermal Amplification Method for <i>E. coli</i> O157:H7 Detection Based on a Metal-Organic Framework Platform. <i>Analytical Chemistry</i> , 2020, 92, 3032-3041.	6.5	102
2	Robust and Universal SERS Sensing Platform for Multiplexed Detection of Alzheimer's Disease Core Biomarkers Using PApt-AuNPs Conjugates. <i>ACS Sensors</i> , 2019, 4, 2140-2149.	7.8	94
3	Upconversion Fluorescent Aptasensor for Polychlorinated Biphenyls Detection Based on Nicking Endonuclease and Hybridization Chain Reaction Dual-Amplification Strategy. <i>Analytical Chemistry</i> , 2018, 90, 9936-9942.	6.5	56
4	CRISPR/Cas12a-based technology: A powerful tool for biosensing in food safety. <i>Trends in Food Science and Technology</i> , 2022, 122, 211-222.	15.1	49
5	A fluorescent amplification strategy for high-sensitive detection of 17 β -estradiol based on EXPAR and HCR. <i>Analytica Chimica Acta</i> , 2020, 1116, 1-8.	5.4	25
6	Competitive fluorometric assay for the food toxin T-2 by using DNA-modified silver nanoclusters, aptamer-modified magnetic beads, and exponential isothermal amplification. <i>Mikrochimica Acta</i> , 2019, 186, 219.	5.0	22
7	State-of-the-art progress of switch fluorescence biosensors based on metal-organic frameworks and nucleic acids. <i>Mikrochimica Acta</i> , 2021, 188, 168.	5.0	21
8	Ultrasensitive competitive detection of patulin toxin by using strand displacement amplification and DNA G-quadruplex with aggregation-induced emission. <i>Analytica Chimica Acta</i> , 2020, 1106, 161-167.	5.4	20
9	Development of a highly sensitive detection method for TTX based on a magnetic bead-aptamer competition system under triple cycle amplification. <i>Analytica Chimica Acta</i> , 2020, 1119, 18-24.	5.4	18
10	Immunosorbent assay based on upconversion nanoparticles controllable assembly for simultaneous detection of three antibiotics. <i>Journal of Hazardous Materials</i> , 2021, 406, 124703.	12.4	18
11	Sensitive Fluorescence Aptasensor Based on Hybridization Chain Reaction with Upconversion Nanoparticles by Triplex DNA Formation for Bisphenol A Detection. <i>ACS Applied Bio Materials</i> , 2021, 4, 763-769.	4.6	15
12	A label-free detection of diethylstilbestrol based on molecularly imprinted polymer-coated upconversion nanoparticles obtained by surface grafting. <i>RSC Advances</i> , 2017, 7, 22215-22221.	3.6	14
13	Highly Ordered, Plasmonic Enhanced Inverse Opal Photonic Crystal for Ultrasensitive Detection of Staphylococcal Enterotoxin B. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4637-4646.	8.0	12
14	Dual Sensitization Smartphone Colorimetric Strategy Based on RCA Coils Gathering Au Tetrahedra and Its Application in the Detection of CK-MB. <i>Analytical Chemistry</i> , 2021, 93, 16922-16931.	6.5	11
15	Efficient Detection of Environmental Estrogens Bisphenol A and Estradiol By Sensing System Based on AuNP-AuNP-UCNP Triple Structure. <i>Chinese Journal of Analytical Chemistry</i> , 2018, 46, 486-492.	1.7	9
16	A highly sensitive immunofluorescence sensor based on bicolor upconversion and magnetic separation for simultaneous detection of fumonisin B1 and zearalenone. <i>Analyst</i> , 2021, 146, 3328-3335.	3.5	9
17	Wearable biosensors for human fatigue diagnosis: A review. <i>Bioengineering and Translational Medicine</i> , 2023, 8, .	7.1	8
18	High-specificity double-stranded DNA detection with a "humanoid" molecular beacon and TALEs. <i>Nanoscale</i> , 2018, 10, 18354-18361.	5.6	7

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19	Amorphous poly- <i>N</i> -vinylcarbazole polymer as a novel matrix for the determination of low molecular weight compounds by MALDI-TOF MS. RSC Advances, 2022, 12, 15215-15221.	3.6	6
20	Exploring the performance of multi-channel tetrahedral nucleic acid tweezers platforms for efficient and sensitive biosensing. Chemical Engineering Journal, 2022, 448, 137635.	12.7	6
21	Latest developments in the upconversion nanotechnology for the rapid detection of food safety: A review. Nanotechnology Reviews, 2022, 11, 2110-2122.	5.8	3