

Long Wu

List of Publications by Year in descending order

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55
papers

2,181
citations

201575

27
h-index

233338

45
g-index

55
all docs

55
docs citations

55
times ranked

2502
citing authors

#	ARTICLE	IF	CITATIONS
1	Gecko-Inspired Nanotentacle Surface-Enhanced Raman Spectroscopy Substrate for Sampling and Reliable Detection of Pesticide Residues in Fruits and Vegetables. <i>Analytical Chemistry</i> , 2017, 89, 2424-2431.	3.2	216
2	Application of nano-ELISA in food analysis: Recent advances and challenges. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 113, 140-156.	5.8	207
3	From Electrochemistry to Electroluminescence: Development and Application in a Ratiometric Aptasensor for Aflatoxin B1. <i>Analytical Chemistry</i> , 2017, 89, 7578-7585.	3.2	139
4	Ultrasensitive detection of aflatoxin B 1 by SERS aptasensor based on exonuclease-assisted recycling amplification. <i>Biosensors and Bioelectronics</i> , 2017, 97, 59-64.	5.3	128
5	Carbon-Dot and Quantum-Dot-Coated Dual-Emission Core-Satellite Silica Nanoparticles for Ratiometric Intracellular Cu ²⁺ Imaging. <i>Analytical Chemistry</i> , 2016, 88, 7395-7403.	3.2	108
6	Nanozyme and aptamer-based immunosorbent assay for aflatoxin B1. <i>Journal of Hazardous Materials</i> , 2020, 399, 123154.	6.5	76
7	Surface-imprinted SiO ₂ @Ag nanoparticles for the selective detection of BPA using surface enhanced Raman scattering. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 566-573.	4.0	69
8	Signal-Amplified Near-Infrared Ratiometric Electrochemiluminescence Aptasensor Based on Multiple Quenching and Enhancement Effect of Graphene/Gold Nanorods/G-Quadruplex. <i>Analytical Chemistry</i> , 2016, 88, 8179-8187.	3.2	67
9	Surface-Imprinted Gold Nanoparticle-Based Surface-Enhanced Raman Scattering for Sensitive and Specific Detection of Patulin in Food Samples. <i>Food Analytical Methods</i> , 2019, 12, 1648-1657.	1.3	56
10	Food additives: From functions to analytical methods. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 8497-8517.	5.4	54
11	Ultrasensitive SERS detection of <i>Bacillus thuringiensis</i> special gene based on Au@Ag NRs and magnetic beads. <i>Biosensors and Bioelectronics</i> , 2017, 92, 321-327.	5.3	53
12	Enzymatic biosensor of horseradish peroxidase immobilized on Au-Pt nanotube/Au-graphene for the simultaneous determination of antioxidants. <i>Analytica Chimica Acta</i> , 2016, 933, 89-96.	2.6	52
13	Enzyme induced molecularly imprinted polymer on SERS substrate for ultrasensitive detection of patulin. <i>Analytica Chimica Acta</i> , 2020, 1101, 111-119.	2.6	51
14	Platinum Dendritic-Flowers Prepared by Tellurium Nanowires Exhibit High Electrocatalytic Activity for Glycerol Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 17725-17730.	4.0	50
15	Characteristics of the emulsion stabilized by polysaccharide conjugates alkali-extracted from green tea residue and its protective effect on catechins. <i>Industrial Crops and Products</i> , 2019, 140, 111611.	2.5	48
16	Pt nanozyme for O ₂ self-sufficient, tumor-specific oxidative damage and drug resistance reversal. <i>Nanoscale Horizons</i> , 2019, 4, 1124-1131.	4.1	48
17	Highly sensitive enzyme-free immunosorbent assay for porcine circovirus type 2 antibody using Au-Pt/SiO ₂ nanocomposites as labels. <i>Biosensors and Bioelectronics</i> , 2016, 82, 177-184.	5.3	45
18	Strawberry-like SiO ₂ /Ag nanocomposites immersed filter paper as SERS substrate for acrylamide detection. <i>Food Chemistry</i> , 2020, 328, 127106.	4.2	43

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19	Effects of Tea-Polysaccharide Conjugates and Metal Ions on Precipitate Formation by Epigallocatechin Gallate and Caffeine, the Key Components of Green Tea Infusion. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 3744-3751.	2.4	38
20	Amplified Magnetic Resonance Sensing via Enzyme-Mediated Click Chemistry and Magnetic Separation. <i>Analytical Chemistry</i> , 2019, 91, 15555-15562.	3.2	36
21	Nanozyme Applications: A Glimpse of Insight in Food Safety. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 727886.	2.0	35
22	Tyrosinase Incorporated with Au-Pt@SiO ₂ Nanospheres for Electrochemical Detection of Bisphenol A. <i>Journal of the Electrochemical Society</i> , 2019, 166, B562-B568.	1.3	34
23	Double-enzymes-mediated Fe ²⁺ /Fe ³⁺ conversion as magnetic relaxation switch for pesticide residues sensing. <i>Journal of Hazardous Materials</i> , 2021, 403, 123619.	6.5	34
24	Target triggered self-assembly of Au nanoparticles for amplified detection of <i>Bacillus thuringiensis</i> transgenic sequence using SERS. <i>Biosensors and Bioelectronics</i> , 2014, 62, 196-200.	5.3	33
25	Versatile Electrochemiluminescence Assays for PEDV Antibody Based on Rolling Circle Amplification and Ru-DNA Nanotags. <i>Analytical Chemistry</i> , 2018, 90, 7415-7421.	3.2	32
26	Spiny-porous platinum nanotubes with enhanced electrocatalytic activity for methanol oxidation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1388-1391.	5.2	29
27	Ammonia Mediated One-Step Synthesis of Three-Dimensional Porous Pt ₁₀₀ Cu ₁₀₀ Nanochain Networks with Enhanced Electrocatalytic Activity toward Polyhydric Alcohol Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 11086-11095.	3.2	28
28	Highly sensitive magnetic relaxation sensing method for aflatoxin B1 detection based on Au NP-assisted triple self-assembly cascade signal amplification. <i>Biosensors and Bioelectronics</i> , 2021, 192, 113489.	5.3	27
29	Bacteria Inspired Internal Standard SERS Substrate for Quantitative Detection. <i>ACS Applied Bio Materials</i> , 2021, 4, 2009-2019.	2.3	24
30	Hydrogen-bonding recognition-induced aggregation of gold nanoparticles for the determination of the migration of melamine monomers using dynamic light scattering. <i>Analytica Chimica Acta</i> , 2014, 845, 92-97.	2.6	23
31	Enhanced immunoassay for porcine circovirus type 2 antibody using enzyme-loaded and quantum dots-embedded shell-core silica nanospheres based on enzyme-linked immunosorbent assay. <i>Analytica Chimica Acta</i> , 2015, 887, 192-200.	2.6	23
32	Direct reduction of H ₂ AuCl ₄ for the visual detection of intracellular hydrogen peroxide based on Au-Pt/SiO ₂ nanospheres. <i>Sensors and Actuators B: Chemical</i> , 2017, 248, 367-373.	4.0	23
33	Near-infrared electrochemiluminescence biosensor for high sensitive detection of porcine reproductive and respiratory syndrome virus based on cyclodextrin-grafted porous Au/PtAu nanotube. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 586-594.	4.0	22
34	Ratiometric fluorescence sensor for the sensitive detection of <i>Bacillus thuringiensis</i> transgenic sequence based on silica coated supermagnetic nanoparticles and quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 206-213.	4.0	22
35	A magnetic relaxation DNA biosensor for rapid detection of <i>Listeria monocytogenes</i> using phosphatase-mediated Mn(VII)/Mn(II) conversion. <i>Food Control</i> , 2021, 125, 107959.	2.8	22
36	Magnetic relaxation switching biosensor via polydopamine nanoparticle mediated click chemistry for detection of chlorpyrifos. <i>Biosensors and Bioelectronics</i> , 2022, 207, 114127.	5.3	19

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37	Food Safety in Post-COVID-19 Pandemic: Challenges and Countermeasures. <i>Biosensors</i> , 2021, 11, 71.	2.3	18
38	Analysis of Protein Moiety of Polysaccharide Conjugates Water-extracted from Low Grade Green Tea. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 691-696.	1.3	17
39	One-step synthesis of high-quality homogenous Te/Se alloy nanorods with various morphologies. <i>CrystEngComm</i> , 2015, 17, 3243-3250.	1.3	14
40	Enzyme-induced Cu ²⁺ /Cu ⁺ conversion as the electrochemical signal for sensitive detection of ethyl carbamate. <i>Analytica Chimica Acta</i> , 2021, 1151, 338256.	2.6	14
41	Towards Development of Molecularly Imprinted Electrochemical Sensors for Food and Drug Safety: Progress and Trends. <i>Biosensors</i> , 2022, 12, 369.	2.3	13
42	Nanozyme-linked immunosorbent assay for porcine circovirus type 2 antibody using HAuCl ₄ /H ₂ O ₂ coloring system. <i>Microchemical Journal</i> , 2020, 157, 105079.	2.3	12
43	Graphene Oxide as a Stabilizer for "Clean" Synthesis of High-Performance Pd-Based Nanotubes Electrocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5191-5199.	3.2	11
44	Functional poly(carboxybetaine methacrylate) coated paper sensor for high efficient and multiple detection of nutrients in fruit. <i>Chinese Chemical Letters</i> , 2020, 31, 1099-1103.	4.8	9
45	A multifunctional probe for lead(II) sensing using CdSe/ZnS-luminol-conjugated Fe ₃ O ₄ magnetic nanocomposites. <i>Sensors and Actuators B: Chemical</i> , 2022, 356, 131124.	4.0	8
46	DNA enzyme mediated ratiometric fluorescence assay for Pb(II) ion using magnetic nanosphere-loaded gold nanoparticles and CdSe/ZnS quantum dots. <i>Mikrochimica Acta</i> , 2020, 187, 273.	2.5	7
47	Highly Adjustable Three-Dimensional Hollow Pt(Au)Cu Nanonetwork Structures as Enhancing Electrocatalysts for Alcohol Oxidation Reaction. <i>Journal of the Electrochemical Society</i> , 2020, 167, 066518.	1.3	7
48	Authentication of Geographical Origin in Hainan Partridge Tea (<i>Mallotus obongifolius</i>) by Stable Isotope and Targeted Metabolomics Combined with Chemometrics. <i>Foods</i> , 2021, 10, 2130.	1.9	7
49	A Deep Insight in the Antioxidant Property of Carnosic Acid: From Computational Study to Experimental Analysis. <i>Foods</i> , 2021, 10, 2279.	1.9	7
50	Analysis of food Additives. , 2021, , 157-180.		6
51	Platinum-based nitrogen-doped porous C _x N _{1-x} compounds used as a transducer for sensitive detection of hydrogen peroxide. <i>Electrochimica Acta</i> , 2016, 209, 661-670.	2.6	5
52	Mesoporous CoOx/C Nanocomposites Functionalized Electrochemical Sensor for Rapid and Continuous Detection of Nitrite. <i>Coatings</i> , 2021, 11, 596.	1.2	4
53	Fabrication of Ag-TiO ₂ functionalized activated carbon for dyes degradation based on tea residues. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 627, 127130.	2.3	4
54	Amelioration of enteric dysbiosis by polyoxotungstates in mice gut. <i>Journal of Inorganic Biochemistry</i> , 2022, 226, 111654.	1.5	3

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55	Application of Nano-ELISA in Food Analysis. , 2022, , 401-438.		1