Lunjie Huang

List of Publications by Year
in descending order

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42 papers	3,040 citations	126708 33 h-index	253896 43 g-index
43 all docs	43 docs citations	43 times ranked	2835 citing authors

#	Article	IF	Citations
1	Advances in flexible surface-enhanced Raman scattering (SERS) substrates for nondestructive food detection: Fundamentals and recent applications. Trends in Food Science and Technology, 2021, 109, 690-701.	7.8	171
2	Mechanism insight into rapid photocatalytic disinfection of Salmonella based on vanadate QDs-interspersed g-C3N4 heterostructures. Applied Catalysis B: Environmental, 2018, 225, 228-237.	10.8	165
3	Traditional NiCo₂S₄ Phase with Porous Nanosheets Array Topology on Carbon Cloth: A Flexible, Versatile and Fabulous Electrocatalyst for Overall Water and Urea Electrolysis. ACS Sustainable Chemistry and Engineering, 2018, 6, 5011-5020.	3.2	164
4	Stable, Flexible, and High-Performance SERS Chip Enabled by a Ternary Film-Packaged Plasmonic Nanoparticle Array. ACS Applied Materials & Interfaces, 2019, 11, 29177-29186.	4.0	164
5	Bridging Fe3O4@Au nanoflowers and Au@Ag nanospheres with aptamer for ultrasensitive SERS detection of aflatoxin B1. Food Chemistry, 2020, 324, 126832.	4.2	139
6	A colorimetric paper sensor based on the domino reaction of acetylcholinesterase and degradable Î³-MnOOH nanozyme for sensitive detection of organophosphorus pesticides. Sensors and Actuators B: Chemical, 2019, 290, 573-580.	4.0	122
7	Development of Nanozymes for Food Quality and Safety Detection: Principles and Recent Applications. Comprehensive Reviews in Food Science and Food Safety, 2019, 18, 1496-1513.	5.9	120
8	Portable Colorimetric Detection of Mercury(II) Based on a Non-Noble Metal Nanozyme with Tunable Activity. Inorganic Chemistry, 2019, 58, 1638-1646.	1.9	118
9	Plasmonic nanoparticles on metal-organic framework: A versatile SERS platform for adsorptive detection of new coccine and orange II dyes in food. Food Chemistry, 2020, 328, 127105.	4.2	115
10	Introducing reticular chemistry into agrochemistry. Chemical Society Reviews, 2021, 50, 1070-1110.	18.7	106
11	Layered vanadium(IV) disulfide nanosheets as a peroxidase-like nanozyme for colorimetric detection of glucose. Mikrochimica Acta, 2018, 185, 7.	2.5	96
12	Mixed-Valence Ce-BPyDC Metalâ€“Organic Framework with Dual Enzyme-like Activities for Colorimetric Biosensing. Inorganic Chemistry, 2019, 58, 11382-11388.	1.9	89
13	Ultra technically-simple and sensitive detection for Salmonella Enteritidis by immunochromatographic assay based on gold growth. Food Control, 2018, 84, 536-543.	2.8	87
14	Highly sensitive furazolidone monitoring in milk by a signal amplified lateral flow assay based on magnetite nanoparticles labeled dual-probe. Food Chemistry, 2018, 261, 131-138.	4.2	82
15	Magnetic surface-enhanced Raman scattering (MagSERS) biosensors for microbial food safety: Fundamentals and applications. Trends in Food Science and Technology, 2021, 113, 366-381.	7.8	78
16	Reproducible, shelf-stable, and bioaffinity SERS nanotags inspired by multivariate polyphenolic chemistry for bacterial identification. Analytica Chimica Acta, 2021, 1167, 338570.	2.6	76
17	ssDNA-tailorable oxidase-mimicking activity of spinel MnCo2O4 for sensitive biomolecular detection in food sample. Sensors and Actuators B: Chemical, 2018, 269, 79-87.	4.0	75
18	The highly efficient elimination of intracellular bacteria via a metal organic framework (MOF)-based three-in-one delivery system. Nanoscale, 2019, 11, 9468-9477.	2.8	71

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19	Facet-selective response of trigger molecule to CeO2 {1 1 0} for up-regulating oxidase-like activity. Chemical Engineering Journal, 2017, 330, 746-752.	6.6	69
20	One-pot bottom-up fabrication of a 2D/2D heterojuncted nanozyme towards optimized peroxidase-like activity for sulfide ions sensing. Sensors and Actuators B: Chemical, 2020, 306, 127565.	4.0	69
21	Surface engineering of hierarchical Ni(OH)2 nanosheet@nanowire configuration toward superior urea electrolysis. Electrochimica Acta, 2018, 268, 211-217.	2.6	67
22	In-Situ Fixation of All-Inorganic Moâ€“Feâ€“S Clusters for the Highly Selective Removal of Lead(II). ACS Applied Materials & Interfaces, 2017, 9, 32720-32726.	4.0	65
23	Dual recognition strategy and magnetic enrichment based lateral flow assay toward Salmonella enteritidis detection. Talanta, 2020, 206, 120204.	2.9	62
24	Photosensitized Peroxidase Mimicry at the Hierarchical 0D/2D Heterojunctionâ€Like Quasi Metalâ€Organic Framework Interface for Boosting Biocatalytic Disinfection. Small, 2022, 18, e2200178.	5.2	62
25	Agar Aerogel Containing Small-Sized Zeolitic Imidazolate Framework Loaded Carbon Nitride: A Solar-Triggered Regenerable Decontaminant for Convenient and Enhanced Water Purification. ACS Sustainable Chemistry and Engineering, 2017, 5, 9347-9354.	3.2	60
26	Fluorometric determination of dopamine by using molybdenum disulfide quantum dots. Mikrochimica Acta, 2018, 185, 234.	2.5	50
27	An improved clenbuterol detection by immunochromatographic assay with bacteria@Au composite as signal amplifier. Food Chemistry, 2018, 262, 48-55.	4.2	49
28	Monolithic copper selenide submicron particulate film/copper foam anode catalyst for ultrasensitive electrochemical glucose sensing in human blood serum. Journal of Materials Chemistry B, 2018, 6, 718-724.	2.9	44
29	Applicability of biological dye tracer in strip biosensor for ultrasensitive detection of pathogenic bacteria. Food Chemistry, 2019, 274, 816-821.	4.2	42
30	Luminescent metal-organic frameworks (LMOFs): An emerging sensing platform for food quality and safety control. Trends in Food Science and Technology, 2021, 111, 716-730.	7.8	39
31	New Functional Tracerâ€”Two-Dimensional Nanosheet-Based Immunochromatographic Assay for Salmonella enteritidis Detection. Journal of Agricultural and Food Chemistry, 2019, 67, 6642-6649.	2.4	36
32	Copper-Sensitized â€œTurn Onâ€•Peroxidase-Like Activity of MMoO₄ (M = Co, Ni) Flowers for Selective Detection of Aquatic Copper Ions. ACS Sustainable Chemistry and Engineering, 2020, 8, 12568-12576.	3.2	36
33	Antibiotic-loaded MoS₂nanosheets to combat bacterial resistance via biofilm inhibition. Nanotechnology, 2017, 28, 225101.	1.3	34
34	Chemical-staining based lateral flow immunoassay: A nanomaterials-free and ultra-simple tool for a small molecule detection. Sensors and Actuators B: Chemical, 2019, 279, 427-432.	4.0	34
35	Interfacing metal-polyphenolic networks upon photothermal gold nanorods for triplex-evolved biocompatible bactericidal activity. Journal of Hazardous Materials, 2022, 426, 127824.	6.5	32
36	Precision release systems of food bioactive compounds based on metal-organic frameworks: synthesis, mechanisms and recent applications. Critical Reviews in Food Science and Nutrition, 2022, 62, 3991-4009.	5.4	32

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37	Rapid and selective fluorometric determination of tannic acid using MoO3-x quantum dots. Mikrochimica Acta, 2019, 186, 247.	2.5	27
38	Highly sensitive detection of a small molecule by a paired labels recognition system based lateral flow assay. Analytical and Bioanalytical Chemistry, 2018, 410, 3161-3170.	1.9	26
39	Label-free fluorescence aptasensor for sensitive determination of bisphenol S by the salt-adjusted FRET between CQDs and MoS2. Sensors and Actuators B: Chemical, 2018, 259, 717-724.	4.0	21
40	A facile and green synthesis of CDs-MoS2-Fe3O4 nanohybrid for recyclable and enhanced photocatalysis in dye degradation. Materials Letters, 2018, 232, 167-170.	1.3	15
41	Natural Sugar: A Green Assistance To Efficiently Exfoliate Inorganic Layered Nanomaterials. Inorganic Chemistry, 2018, 57, 5560-5566.	1.9	14
42	Emergence of dyestuff chemistry-encoded signal tracers in immunochromatographic assays: Fundamentals and recent food applications. Trends in Food Science and Technology, 2022, 127, 335-351.	7.8	8