

Wanying Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,020
citations

430874

18
h-index

610901

24
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docs citations

24
times ranked

1364
citing authors

#	ARTICLE	IF	CITATIONS
1	Microelectrode-Based Electrochemical Sensing Technology for in Vivo Detection of Dopamine: Recent Developments and Future Prospects. <i>Critical Reviews in Analytical Chemistry</i> , 2022, 52, 544-554.	3.5	27
2	An "on-off" ratio photoluminescence sensor based on catalytically induced PET effect by Fe ₃ O ₄ NPs for the determination of coumarin. <i>Food Chemistry</i> , 2022, 368, 130838.	8.2	10
3	A biosensor based on the biomimetic oxidase Fe ₃ O ₄ @MnO ₂ for colorimetric determination of uric acid. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 212, 112347.	5.0	25
4	Dysfunction of vesicular storage in young-onset Parkinson's patient-derived dopaminergic neurons and organoids revealed by single cell electrochemical cytometry. <i>Chemical Science</i> , 2022, 13, 6217-6223.	7.4	8
5	Electrochemical Biosensor Based on HRP/Ti ₃ C ₂ /Nafion Film for Determination of Hydrogen Peroxide in Serum Samples of Patients with Acute Myocardial Infarction. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 2767-2773.	5.2	24
6	A label-free electrochemical biosensor based on magnetic biocomposites with DNAzyme and hybridization chain reaction dual signal amplification for the determination of Pb ²⁺ . <i>Mikrochimica Acta</i> , 2020, 187, 575.	5.0	21
7	A label-free electrochemical magnetic aptasensor based on exonuclease III-assisted signal amplification for determination of carcinoembryonic antigen. <i>Mikrochimica Acta</i> , 2020, 187, 492.	5.0	13
8	An electrochemical and fluorescence dual-signal assay based on Fe ₃ O ₄ @MnO ₂ and N-doped carbon dots for determination of hydrogen peroxide. <i>Mikrochimica Acta</i> , 2020, 187, 187.	5.0	25
9	A signal transduction approach for multiplexed detection of transcription factors by integrating DNA nanotechnology, multi-channelled isothermal amplification, and chromatography. <i>Journal of Chromatography A</i> , 2020, 1624, 461148.	3.7	12
10	Dual-Emission Reverse Change Ratio Photoluminescence Sensor Based on a Probe of Nitrogen-Doped Ti ₃ C ₂ Quantum Dots@DAP to Detect H ₂ O ₂ and Xanthine. <i>Analytical Chemistry</i> , 2020, 92, 7770-7777.	6.5	88
11	Combined Amperometry and Electrochemical Cytometry Reveal Differential Effects of Cocaine and Methylphenidate on Exocytosis and the Fraction of Chemical Release. <i>Angewandte Chemie</i> , 2019, 131, 4282-4286.	2.0	31
12	A label-free electrochemical aptasensor based on magnetic biocomposites with Pb ²⁺ -dependent DNAzyme for the detection of thrombin. <i>Analytica Chimica Acta</i> , 2019, 1047, 21-27.	5.4	48
13	Detecting transcription factors with allosteric DNA-Silver nanocluster switches. <i>Analytica Chimica Acta</i> , 2019, 1048, 168-177.	5.4	30
14	Determination of active ingredients in Chinese medicine Danning Tablets using dispersion solid-phase extraction by molecular imprinting nanomaterials coupled with HPLC-DAD. <i>Analytical Methods</i> , 2017, 9, 2585-2589.	2.7	5
15	Colorimetric and visual determination of adenosine triphosphate using a boronic acid as the recognition element, and based on the deaggregation of gold nanoparticles. <i>Mikrochimica Acta</i> , 2017, 184, 4305-4312.	5.0	26
16	A turn-on fluorescence aptasensor based on carbon dots for sensitive detection of adenosine. <i>New Journal of Chemistry</i> , 2017, 41, 9230-9235.	2.8	22
17	Sensitive and Label-Free Fluorescent Detection of Transcription Factors Based on DNA-Ag Nanoclusters Molecular Beacons and Exonuclease III-Assisted Signal Amplification. <i>Analytical Chemistry</i> , 2017, 89, 7316-7323.	6.5	66
18	Aggregation-induced emission from gold nanoclusters for use as a luminescence-enhanced nanosensor to detect trace amounts of silver ions. <i>Journal of Colloid and Interface Science</i> , 2016, 467, 90-96.	9.4	73

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19	Development and application of novel clonazepam molecularly imprinted coatings for stir bar sorptive extraction. <i>Journal of Colloid and Interface Science</i> , 2016, 468, 183-191.	9.4	18
20	Magnetic sensing film based on Fe ₃ O ₄ @Au-GSH molecularly imprinted polymers for the electrochemical detection of estradiol. <i>Biosensors and Bioelectronics</i> , 2016, 79, 180-186.	10.1	149
21	Facile and controllable one-step fabrication of molecularly imprinted polymer membrane by magnetic field directed self-assembly for electrochemical sensing of glutathione. <i>Analytica Chimica Acta</i> , 2015, 886, 37-47.	5.4	74
22	Vanillin-molecularly targeted extraction of stir bar based on magnetic field induced self-assembly of multifunctional Fe ₃ O ₄ @Polyaniline nanoparticles for detection of vanilla-flavor enhancers in infant milk powders. <i>Journal of Colloid and Interface Science</i> , 2015, 442, 22-29.	9.4	40
23	Novel electrochemical sensing platform based on magnetic field-induced self-assembly of Fe ₃ O ₄ @Polyaniline nanoparticles for clinical detection of creatinine. <i>Biosensors and Bioelectronics</i> , 2014, 56, 180-185.	10.1	103
24	Fe ₃ O ₄ @rGO doped molecularly imprinted polymer membrane based on magnetic field directed self-assembly for the determination of amaranth. <i>Talanta</i> , 2014, 123, 101-108.	5.5	82