

Xianfeng Wang

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

669
citations

567281

15
h-index

677142

22
g-index

22
all docs

22
docs citations

22
times ranked

634
citing authors

#	ARTICLE	IF	CITATIONS
1	N, P-doped carbon quantum dots as a fluorescent sensing platform for carbendazim detection based on fluorescence resonance energy transfer. <i>Sensors and Actuators B: Chemical</i> , 2018, 274, 296-303.	7.8	117
2	Dual Methylation-Sensitive Restriction Endonucleases Coupling with an RPA-Assisted CRISPR/Cas13a System (DESCS) for Highly Sensitive Analysis of DNA Methylation and Its Application for Point-of-Care Detection. <i>ACS Sensors</i> , 2021, 6, 2419-2428.	7.8	55
3	Fluorescent sensor for indirect measurement of methyl parathion based on alkaline-induced hydrolysis using N-doped carbon dots. <i>Talanta</i> , 2019, 192, 368-373.	5.5	54
4	A Methodology for Ultrasensitive Detection of Sequence-Specific DNA or Uracil-DNA Glycosylase Activity. <i>ACS Sensors</i> , 2020, 5, 1615-1623.	7.8	47
5	One-step synthesized fluorescent nitrogen doped carbon dots from thymidine for Cr (VI) detection in water. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 222, 117165.	3.9	45
6	Synthesis of yttrium(III)-based rare-earth metal-organic framework nanoplates and its applications for sensing of fluoride ions and pH. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128455.	7.8	45
7	A paper-based visualization chip based on nitrogen-doped carbon quantum dots nanoprobe for Hg(II) detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 265, 120346.	3.9	31
8	A turn-on fluorescent nanoprobe based on N-doped silicon quantum dots for rapid determination of glyphosate. <i>Mikrochimica Acta</i> , 2020, 187, 341.	5.0	30
9	Four-stage signal amplification for trace ATP detection using allosteric probe-conjugated strand displacement and CRISPR/Cpf1 trans-cleavage (ASD-Cpf1). <i>Sensors and Actuators B: Chemical</i> , 2020, 323, 128653.	7.8	29
10	The construction of a CND/Cu ²⁺ fluorescence sensing system for the ultrasensitive detection of glyphosate. <i>Analytical Methods</i> , 2020, 12, 520-527.	2.7	28
11	Green emitting carbon dots for sensitive fluorometric determination of cartap based on its aggregation effect on gold nanoparticles. <i>Mikrochimica Acta</i> , 2019, 186, 259.	5.0	27
12	A turn-on fluorescent sensor based on carbon dots from <i>Sophora japonica</i> leaves for the detection of glyphosate. <i>Analytical Methods</i> , 2020, 12, 4130-4138.	2.7	27
13	Target-induced transcription amplification to trigger the trans-cleavage activity of CRISPR/Cas13a (TITAC-Cas) for detection of alkaline phosphatase. <i>Biosensors and Bioelectronics</i> , 2021, 185, 113281.	10.1	26
14	Colorimetric detection of Cr ⁶⁺ ions based on surface plasma resonance using the catalytic etching of gold nano-double cone @ silver nanorods. <i>Analytica Chimica Acta</i> , 2021, 1149, 238141.	5.4	21
15	Colorimetric and fluorescent dual-identification of glutathione based on its inhibition on the 3D ball-flower shaped Cu-hemin-MOF's peroxidase-like activity. <i>Mikrochimica Acta</i> , 2020, 187, 601.	5.0	19
16	Fluorescence-based measurements for the determination of nitrite using a coumarin derivative sensor based on inner filter effect. <i>Analytical Methods</i> , 2020, 12, 1107-1114.	2.7	12
17	Simultaneous measurement of Cr(III) and Cu(II) based on indicator-displacement assay using a colorimetric nanoprobe. <i>Analytica Chimica Acta</i> , 2020, 1129, 108-117.	5.4	11
18	MoS ₂ QDs-Based sensor for measurement of fluazinam with triple signal output. <i>Analytica Chimica Acta</i> , 2020, 1108, 152-159.	5.4	11

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19	Naked-eye detection of site-specific ssRNA and ssDNA using PAMmer-assisted CRISPR/Cas9 coupling with exponential amplification reaction. <i>Talanta</i> , 2021, 233, 122554.	5.5	11
20	A novel methyl-dependent DNA endonuclease Glal coupling with double cascaded strand displacement amplification and CRISPR/Cas12a for ultra-sensitive detection of DNA methylation. <i>Analytica Chimica Acta</i> , 2022, 1212, 339914.	5.4	11
21	A Turn-on Fluorescent Sensor Based on Copper-Based Metal-Organic Frameworks for Sensitive Detection of L-Histidine. <i>Nano</i> , 2021, 16, 2150015.	1.0	6
22	A three-dimensional hydrogel-modified indium tin oxide electrode with enhanced performance for <i>in situ</i> electrochemical detection of extracellular H ₂ O ₂ . <i>Analyst</i> , The, 2021, 146, 5403-5412.	3.5	6