

Meng Xia Xie

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

864
citations

516710

16
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

1150
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of the interaction between human serum albumin and morin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2006, 1760, 1184-1191.	2.4	208
2	Visual and fluorescent detection of mercury ions by using a dually emissive ratiometric nanohybrid containing carbon dots and CdTe quantum dots. <i>Mikrochimica Acta</i> , 2017, 184, 1199-1206.	5.0	67
3	Streptavidin-biotin-peroxidase nanocomplex-amplified microfluidics immunoassays for simultaneous detection of inflammatory biomarkers. <i>Analytica Chimica Acta</i> , 2017, 982, 138-147.	5.4	66
4	Spectroscopic investigation on the interaction of 3,7-dihydroxyflavone with different isomers of human serum albumin. <i>Food Chemistry</i> , 2012, 132, 663-670.	8.2	58
5	Simultaneous determination of thyrostatic residues in animal tissues by matrix solid-phase dispersion and gas chromatography–mass spectrometry. <i>Journal of Chromatography A</i> , 2005, 1074, 1-7.	3.7	55
6	One-step multiplexed detection of foodborne pathogens: Combining a quantum dot-mediated reverse assaying strategy and magnetic separation. <i>Biosensors and Bioelectronics</i> , 2016, 86, 996-1002.	10.1	46
7	Label-Free Sandwich Imaging Ellipsometry Immunosensor for Serological Detection of Procalcitonin. <i>Analytical Chemistry</i> , 2018, 90, 8002-8010.	6.5	44
8	Magnetic Lateral Flow Strip for the Detection of Cocaine in Urine by Naked Eyes and Smart Phone Camera. <i>Sensors</i> , 2017, 17, 1286.	3.8	36
9	Development of dual-emission ratiometric probe-based on fluorescent silica nanoparticle and CdTe quantum dots for determination of glucose in beverages and human body fluids. <i>Food Chemistry</i> , 2016, 204, 444-452.	8.2	31
10	Phytic acid functionalized Fe ₃ O ₄ nanoparticles loaded with Ti(IV) ions for phosphopeptide enrichment in mass spectrometric analysis. <i>Mikrochimica Acta</i> , 2019, 186, 68.	5.0	30
11	An immunosensor based on magnetic relaxation switch and polystyrene microparticle-induced immune multivalency enrichment system for the detection of <i>Pantoea stewartii</i> subsp. <i>Stewartii</i> . <i>Biosensors and Bioelectronics</i> , 2013, 43, 6-11.	10.1	29
12	Enzyme-Free Amplification Strategy for Biosensing Using Fe ³⁺ –Poly(glutamic acid) Coordination Chemistry. <i>Analytical Chemistry</i> , 2018, 90, 4725-4732.	6.5	27
13	Biodegradation pathway of penicillins by β -lactamase encapsulated in metal-organic frameworks. <i>Journal of Hazardous Materials</i> , 2021, 414, 125549.	12.4	24
14	Manganese dioxide nanoparticle-based colorimetric immunoassay for the detection of alpha-fetoprotein. <i>Mikrochimica Acta</i> , 2017, 184, 2767-2774.	5.0	21
15	Development of nanosensor by bioorthogonal reaction for multi-detection of the biomarkers of hepatocellular carcinoma. <i>Sensors and Actuators B: Chemical</i> , 2021, 334, 129653.	7.8	20
16	Development of graphite carbon nitride based fluorescent immune sensor for detection of alpha fetoprotein. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 196, 103-109.	3.9	19
17	Phosphate-imprinted magnetic nanoparticles using phenylphosphonic acid as a template for excellent recognition of tyrosine phosphopeptides. <i>Talanta</i> , 2018, 186, 346-353.	5.5	16
18	Poly-L-lysine brushes on magnetic nanoparticles for ultrasensitive detection of <i>Escherichia coli</i> O157:H7. <i>Talanta</i> , 2017, 172, 53-60.	5.5	14

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19	Development of dual-enhancer biocatalyst with photothermal property for the degradation of cephalosporin. <i>Journal of Hazardous Materials</i> , 2022, 429, 128294.	12.4	13
20	Fluorescence Resonance Energy Transfer-Mediated Immunosensor Based on Design and Synthesis of the Substrate of Amp Cephalosporinase for Biosensing. <i>Analytical Chemistry</i> , 2019, 91, 11316-11323.	6.5	10
21	A colorimetric and ultrasensitive immunosensor for one-step pathogen detection via the combination of nanoparticle-triggered signal amplification and magnetic separation. <i>RSC Advances</i> , 2015, 5, 100633-100637.	3.6	9
22	Changes in plasma membrane protein structure after photodynamic action in freshly isolated rat pancreatic acini. An FTIR study. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2003, 71, 27-34.	3.8	7
23	Development of dual-ligand titanium (IV) hydrophilic network sorbent for highly selective enrichment of phosphopeptides. <i>Journal of Chromatography A</i> , 2021, 1659, 462648.	3.7	7
24	Development of enzyme-free immunosensor based on nanobrush and fluorescence dye for sensitive detection of procalcitonin. <i>Dyes and Pigments</i> , 2021, 193, 109548.	3.7	5
25	Determination of cyanidin-3-glucoside (red kernel food colour) in beverages by high performance liquid chromatography and a study of its degradation by quadruple time-of-flight mass spectrometry. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2011, 28, 1-12.	2.3	2