

Taihua Li

List of Publications by Year in descending order

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37
papers

1,466
citations

394421

19
h-index

345221

36
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37
all docs

37
docs citations

37
times ranked

2307
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel antibody/gold nanoparticle/magnetic nanoparticle nanocomposites for immunomagnetic separation and rapid colorimetric detection of <i>Staphylococcus aureus</i> in milk. <i>Biosensors and Bioelectronics</i> , 2013, 43, 432-439.	10.1	174
2	β -Irradiation-induced preparation of Ag and Au nanoparticles and their characterizations. <i>Materials Chemistry and Physics</i> , 2007, 105, 325-330.	4.0	140
3	A regeneratable, label-free, localized surface plasmon resonance (LSPR) aptasensor for the detection of ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2014, 59, 321-327.	10.1	127
4	Fabrication of Nanoporous Nanocomposites Entrapping Fe ₃ O ₄ Magnetic Nanoparticles and Oxidases for Colorimetric Biosensing. <i>Chemistry - A European Journal</i> , 2011, 17, 10700-10707.	3.3	114
5	Circular dichroism study of chiral biomolecules conjugated with silver nanoparticles. <i>Nanotechnology</i> , 2004, 15, S660-S663.	2.6	112
6	Direct colorimetric diagnosis of pathogen infections by utilizing thiol-labeled PCR primers and unmodified gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1941-1946.	10.1	77
7	DNAzyme Molecular Beacon Probes for Target-Induced Signal-Amplifying Colorimetric Detection of Nucleic Acids. <i>Analytical Chemistry</i> , 2011, 83, 494-500.	6.5	71
8	Multi-layered enzyme coating on highly conductive magnetic biochar nanoparticles for bisphenol A sensing in water. <i>Chemical Engineering Journal</i> , 2020, 384, 123276.	12.7	58
9	Colorimetric quantification of galactose using a nanostructured multi-catalyst system entrapping galactose oxidase and magnetic nanoparticles as peroxidase mimetics. <i>Analyst, The</i> , 2012, 137, 1137.	3.5	50
10	Label-free homogeneous FRET immunoassay for the detection of mycotoxins that utilizes quenching of the intrinsic fluorescence of antibodies. <i>Biosensors and Bioelectronics</i> , 2013, 42, 403-408.	10.1	47
11	A label-free fluorescence immunoassay system for the sensitive detection of the mycotoxin, ochratoxin A. <i>Chemical Communications</i> , 2012, 48, 2304.	4.1	44
12	Homogeneous assay of target molecules based on chemiluminescence resonance energy transfer (CRET) using DNAzyme-linked aptamers. <i>Biosensors and Bioelectronics</i> , 2014, 58, 308-313.	10.1	44
13	An ultrasensitive DNAzyme-based colorimetric strategy for nucleic acid detection. <i>Chemical Communications</i> , 2009, , 5838.	4.1	42
14	Investigation of the signaling mechanism and verification of the performance of an electrochemical real-time PCR system based on the interaction of methylene blue with DNA. <i>Analyst, The</i> , 2011, 136, 1573.	3.5	42
15	A label-free, direct and noncompetitive FRET immunoassay for ochratoxin A based on intrinsic fluorescence of an antigen and antibody complex. <i>Chemical Communications</i> , 2011, 47, 9098.	4.1	39
16	Genomic and Metabolic Insights into Denitrification, Sulfur Oxidation, and Multidrug Efflux Pump Mechanisms in the Bacterium <i>Rhodospirillum rubrum</i> sp. nov.. <i>Microorganisms</i> , 2020, 8, 262.	3.6	30
17	Pyrrolo-dC based fluorescent aptasensors for the molecular recognition of targets. <i>Chemical Communications</i> , 2010, 46, 3271.	4.1	29
18	The use of an engineered single chain variable fragment in a localized surface plasmon resonance method for analysis of the C-reactive protein. <i>Chemical Communications</i> , 2013, 49, 9497.	4.1	28

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19	Electrical immunosensor based on a submicron-gap interdigitated electrode and gold enhancement. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4690-4696.	10.1	25
20	Size-dependent flocculation behavior of colloidal Au nanoparticles modified with various biomolecules. <i>Ultramicroscopy</i> , 2008, 108, 1273-1277.	1.9	19
21	Description of novel members of the family Sphingomonadaceae: <i>Aquisediminimonas profunda</i> gen. nov., sp. nov., and <i>Aquisediminimonas sedimicola</i> sp. nov., isolated from freshwater sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 2179-2186.	1.7	17
22	<i>Flaviumibacter profundus</i> sp. nov., isolated from eutrophic freshwater sediment. <i>Journal of Microbiology</i> , 2018, 56, 467-471.	2.8	15
23	<i>Lysobacter profundus</i> sp. nov., isolated from freshwater sediment and reclassification of <i>Lysobacter panaciterrae</i> as <i>Luteimonas panaciterrae</i> comb. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 3878-3887.	1.7	14
24	A fluorescence enhancement-based label-free homogeneous immunoassay of benzo[a]pyrene (BaP) in aqueous solutions. <i>Chemosphere</i> , 2016, 150, 407-413.	8.2	13
25	Description of <i>Hymenobacter daejeonensis</i> sp. nov., isolated from grass soil, based on multilocus sequence analysis of the 16S rRNA gene, <i>gyrB</i> and <i>tuf</i> genes. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 2283-2292.	1.7	12
26	<i>Lacisediminimonas profundus</i> gen. nov., sp. nov., a member of the family Oxalobacteraceae isolated from freshwater sediment. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 253-264.	1.7	12
27	A simple gold nanoparticle-mediated immobilization method to fabricate highly homogeneous DNA microarrays having higher capacities than those prepared by using conventional techniques. <i>Nanotechnology</i> , 2009, 20, 035607.	2.6	11
28	Gold Nanoparticle-Based Label-Free Detection of BRCA1 Mutations Utilizing DNA Ligation on DNA Microarray. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 1019-1024.	0.9	10
29	The effects of pH and surfactants on the absorption and fluorescence properties of ochratoxin A and zearalenone. <i>Luminescence</i> , 2015, 30, 1106-1111.	2.9	9
30	<i>Lacisediminhabitans profunda</i> gen. nov., sp. nov., a member of the family Microbacteriaceae isolated from freshwater sediment. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 365-375.	1.7	9
31	Homogeneous Fluorescence Resonance Energy Transfer Immunoassay for the Determination of Zearalenone. <i>Analytical Letters</i> , 2014, 47, 453-464.	1.8	8
32	<i>Caulobacter soli</i> sp. nov., isolated from soil sampled at Jiri Mountain, Republic of Korea. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 4158-4164.	1.7	8
33	Genomic insights into a novel species <i>Rhodoferrax aquaticus</i> sp. nov., isolated from freshwater. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 4653-4660.	1.7	8
34	Universally applicable, quantitative PCR method utilizing fluorescent nucleobase analogs. <i>RSC Advances</i> , 2018, 8, 37391-37395.	3.6	3
35	High-valence-state Ni ^{II} -Fe bimetallic phosphonate nanoribbons catalyst for enhanced photocatalytic and electrocatalytic oxygen production. <i>Journal of Materials Science</i> , 2021, 56, 8091-8101.	3.7	3
36	Feasible Green Strategy for the Quantitative Bioaccumulation of Heavy Metals by <i>Lemna minor</i> : Application of the Self-Thinning Law. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 104, 282-287.	2.7	2

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37	A rapid detection of neopterin based on a label-free and homogeneous FRET immunoassay system. Proceedings of SPIE, 2013, , .	0.8	0