

Xinyi Wang

List of Publications by Year in descending order

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41
papers

1,185
citations

430754

18
h-index

395590

33
g-index

41
all docs

41
docs citations

41
times ranked

1840
citing authors

#	ARTICLE	IF	CITATIONS
1	Chiral Surface of Nanoparticles Determines the Orientation of Adsorbed Transferrin and Its Interaction with Receptors. <i>ACS Nano</i> , 2017, 11, 4606-4616.	7.3	125
2	Highly Selective Detection of Single-Nucleotide Polymorphisms Using a Quartz Crystal Microbalance Biosensor Based on the Toehold-Mediated Strand Displacement Reaction. <i>Analytical Chemistry</i> , 2012, 84, 7008-7014.	3.2	115
3	Nanoparticle Ligand Exchange and Its Effects at the Nanoparticle-Cell Membrane Interface. <i>Nano Letters</i> , 2019, 19, 8-18.	4.5	84
4	Probing Adsorption Behaviors of BSA onto Chiral Surfaces of Nanoparticles. <i>Small</i> , 2018, 14, e1703982.	5.2	73
5	Recent Advances of Carbon-Based Flexible Strain Sensors in Physiological Signal Monitoring. <i>ACS Applied Electronic Materials</i> , 2020, 2, 2282-2300.	2.0	64
6	Gold nanoparticle enhanced fluorescence anisotropy for the assay of single nucleotide polymorphisms (SNPs) based on toehold-mediated strand-displacement reaction. <i>Biosensors and Bioelectronics</i> , 2013, 41, 569-575.	5.3	58
7	Determination of human urinary kanamycin in one step using urea-enhanced surface plasmon resonance light-scattering of gold nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 2397-2403.	1.9	53
8	Wool/Acrylic Blended Fabrics as Next-Generation Photodynamic Antimicrobial Materials. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29557-29568.	4.0	49
9	The gold-nanoparticle-based surface plasmon resonance light scattering and visual DNA aptasensor for lysozyme. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 2085-2091.	1.9	42
10	Development of a fast and sensitive method for measuring multiple neonicotinoid insecticide residues in soil and the application in parks and residential areas. <i>Analytica Chimica Acta</i> , 2018, 1016, 19-28.	2.6	38
11	Fast and quantitative differentiation of single-base mismatched DNA by initial reaction rate of catalytic hairpin assembly. <i>Biosensors and Bioelectronics</i> , 2014, 60, 57-63.	5.3	37
12	Global Lysine Crotonylation and 2-Hydroxyisobutyrylation in Phenotypically Different <i>Toxoplasma gondii</i> Parasites. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 2207-2224.	2.5	37
13	Direct Determination of Urinary Lysozyme Using Surface Plasmon Resonance Light-Scattering of Gold Nanoparticles. <i>Talanta</i> , 2010, 82, 693-697.	2.9	33
14	Landscapes of Protein Posttranslational Modifications of African <i>Trypanosoma</i> Parasites. <i>IScience</i> , 2020, 23, 101074.	1.9	31
15	Near-infrared fluorescence spectroscopy of single-walled carbon nanotubes and its applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1109-1119.	5.8	24
16	Rapid detection of the pathogenic fungi causing blackleg of <i>Brassica napus</i> using a portable real-time fluorescence detector. <i>Food Chemistry</i> , 2019, 288, 57-67.	4.2	24
17	RPA/CRISPR/Cas12a-Based On-Site and Rapid Nucleic Acid Detection of <i>Toxoplasma gondii</i> in the Environment. <i>ACS Synthetic Biology</i> , 2022, 11, 1772-1781.	1.9	23
18	A renal-targeted triptolide aminoglycoside (TPAG) conjugate for lowering systemic toxicities of triptolide. <i>FASEB J</i> , 2015, 103, 242-251.	1.1	22

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19	Multifunctional Wearable Strain Sensor Made with an Elastic Interwoven Fabric for Patients with Motor Dysfunction. <i>Advanced Materials Technologies</i> , 2020, 5, 2000560.	3.0	21
20	Enhanced Antimalarial Efficacy Obtained by Targeted Delivery of Artemisinin in Heparin-Coated Magnetic Hollow Mesoporous Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 287-297.	4.0	21
21	A novel electrochemiluminescence glucose biosensor based on alcohol-free mesoporous molecular sieve silica modified electrode. <i>Sensors and Actuators B: Chemical</i> , 2011, 158, 124-129.	4.0	19
22	N-acetylcysteine induced quenching of red fluorescent oligonucleotide-stabilized silver nanoclusters and the application in pharmaceutical detection. <i>Analytica Chimica Acta</i> , 2013, 793, 79-85.	2.6	18
23	Rapid isothermal duplex real-time recombinase polymerase amplification (RPA) assay for the diagnosis of equine piroplasmosis. <i>Scientific Reports</i> , 2020, 10, 4096.	1.6	18
24	Mechanism of Brain Targeting by Dexibuprofen Prodrugs Modified with Ethanolamine-Related Structures. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1985-1994.	2.4	16
25	Simultaneous separation and determination of organic acids in blueberry juices by capillary electrophoresis- electrospray ionization mass spectrometry. <i>Journal of Food Science and Technology</i> , 2015, 52, 5228-5235.	1.4	14
26	Protein Modification Characteristics of the Malaria Parasite <i>Plasmodium falciparum</i> and the Infected Erythrocytes. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100001.	2.5	14
27	Scopine as a Novel Brain-Targeting Moiety Enhances the Brain Uptake of Chlorambucil. <i>Bioconjugate Chemistry</i> , 2014, 25, 2046-2054.	1.8	13
28	Ultrasensitive isothermal detection of a plant pathogen by using a gold nanoparticle-enhanced microcantilever sensor. <i>Sensors and Actuators B: Chemical</i> , 2021, 338, 129874.	4.0	13
29	Exploring tight junction alteration using double fluorescent probe combination of lanthanide complex with gold nanoclusters. <i>Scientific Reports</i> , 2016, 6, 32218.	1.6	11
30	Transferrin Adsorbed on PEGylated Gold Nanoparticles and Its Relevance to Targeting Specificity. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 5306-5313.	0.9	11
31	A Sialic Acid-Binding Protein SABP1 of <i>Toxoplasma gondii</i> Mediates Host Cell Attachment and Invasion. <i>Journal of Infectious Diseases</i> , 2020, 222, 126-135.	1.9	11
32	Tertiary amine mediated targeted therapy against metastatic lung cancer. <i>Journal of Controlled Release</i> , 2016, 241, 81-93.	4.8	10
33	Interaction Analysis of a <i>Plasmodium falciparum</i> PHISTa-like Protein and PfEMP1 Proteins. <i>Frontiers in Microbiology</i> , 2020, 11, 611190.	1.5	7
34	Rearrangement of protein structures on a gold nanoparticle surface is regulated by ligand adsorption modes. <i>Nanoscale</i> , 2021, 13, 20425-20436.	2.8	7
35	Ultrasound-based one-step fabrication of nobiletin particle: A facile stabilization strategy. <i>Food Chemistry</i> , 2022, 369, 130896.	4.2	6
36	Validated LC-MS/MS method for the simultaneous determination of chlorambucil and its prodrug in mouse plasma and brain, and application to pharmacokinetics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 99, 74-78.	1.4	5

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37	Synthesis of cuprous oxide nanoparticles on graphitic carbon nitride and reduced graphene oxide and their catalytic performance toward the reduction of 4-nitrophenol. <i>Journal of Materials Science</i> , 2022, 57, 2424-2435.	1.7	5
38	The Putative TCP-1 Chaperonin Is an Important Player Involved in Sialic Acid-Dependent Host Cell Invasion by <i>Toxoplasma gondii</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 258.	1.5	4
39	Induction of apoptosis in <i>Trypanosoma brucei</i> following endocytosis of ultra-small noble metal nanoclusters. <i>Nano Today</i> , 2021, 38, 101122.	6.2	4
40	Determination of lumefantrine as an effective drug against <i>Toxoplasma gondii</i> infection “in vitro and in vivo” study. <i>Parasitology</i> , 2021, 148, 122-128.	0.7	3
41	Evaluation of red and near infrared fluorescent silver nanoclusters as potential in vivo indicators of tight junction opening. <i>RSC Advances</i> , 2017, 7, 32536-32542.	1.7	2