

Cuong Cao

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,724
citations

279798

23
h-index

315739

38
g-index

41
all docs

41
docs citations

41
times ranked

2646
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Sensitive, Uniform, and Reproducible Surface-Enhanced Raman Spectroscopy from Hollow Au@Ag Alloy Nanourchins. <i>Advanced Materials</i> , 2014, 26, 2431-2439.	21.0	240
2	Gold Nanozymes: From Concept to Biomedical Applications. <i>Nano-Micro Letters</i> , 2021, 13, 10.	27.0	150
3	A strategy for sensitivity and specificity enhancements in prostate specific antigen- \pm 1-antichymotrypsin detection based on surface plasmon resonance. <i>Biosensors and Bioelectronics</i> , 2006, 21, 2106-2113.	10.1	136
4	Application of citrate-stabilized gold-coated ferric oxide composite nanoparticles for biological separations. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 2049-2055.	2.3	120
5	Metamaterials-Based Label-Free Nanosensor for Conformation and Affinity Biosensing. <i>ACS Nano</i> , 2013, 7, 7583-7591.	14.6	104
6	Signal enhancement of surface plasmon resonance immunoassay using enzyme precipitation-functionalized gold nanoparticles: A femto molar level measurement of anti-glutamic acid decarboxylase antibody. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1874-1880.	10.1	95
7	Nanozymes in Point-of-Care Diagnosis: An Emerging Futuristic Approach for Biosensing. <i>Nano-Micro Letters</i> , 2021, 13, 193.	27.0	85
8	A new method for non-labeling attomolar detection of diseases based on an individual gold nanorod immunosensor. <i>Lab on A Chip</i> , 2011, 11, 2591.	6.0	71
9	Dual Enlargement of Gold Nanoparticles: From Mechanism to Scanometric Detection of Pathogenic Bacteria. <i>Small</i> , 2011, 7, 1701-1708.	10.0	53
10	Resonant Rayleigh light scattering response of individual Au nanoparticles to antigen-antibody interaction. <i>Lab on A Chip</i> , 2009, 9, 1836.	6.0	50
11	Homogenous growth of gold nanocrystals for quantification of PSA protein biomarker. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1292-1297.	10.1	46
12	Unusual switchable peroxidase-mimicking nanozyme for the determination of proteolytic biomarker. <i>Nano Research</i> , 2019, 12, 509-516.	10.4	45
13	Tailoring Alphabetical Metamaterials in Optical Frequency: Plasmonic Coupling, Dispersion, and Sensing. <i>ACS Nano</i> , 2014, 8, 3796-3806.	14.6	42
14	Amalgamated gold-nanoalloys with enhanced catalytic activity for the detection of mercury ions (Hg ²⁺) in seawater samples. <i>Nano Research</i> , 2020, 13, 989-998.	10.4	40
15	Endonuclease controlled aggregation of gold nanoparticles for the ultrasensitive detection of pathogenic bacterial DNA. <i>Biosensors and Bioelectronics</i> , 2017, 92, 502-508.	10.1	35
16	Seedless synthesis of octahedral gold nanoparticles in condensed surfactant phase. <i>Journal of Colloid and Interface Science</i> , 2008, 322, 152-157.	9.4	34
17	Detection of avian influenza virus by fluorescent DNA barcode-based immunoassay with sensitivity comparable to PCR. <i>Analyst</i> , 2010, 135, 337-342.	3.5	31
18	Detection of pathogen based on the catalytic growth of gold nanocrystals. <i>Water Research</i> , 2009, 43, 1425-1431.	11.3	30

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19	Engineering plasmonic nanorod arrays for colon cancer marker detection. <i>Biosensors and Bioelectronics</i> , 2015, 63, 472-477.	10.1	29
20	Catalytic gold nanostars for SERS-based detection of mercury ions (Hg ²⁺) with inverse sensitivity. <i>Environmental Science: Nano</i> , 2021, 8, 2718-2730.	4.3	29
21	The end user sensor tree: An end-user friendly sensor database. <i>Biosensors and Bioelectronics</i> , 2019, 130, 245-253.	10.1	28
22	Gold-based optical biosensor for single-mismatched DNA detection using salt-induced hybridization. <i>Biosensors and Bioelectronics</i> , 2012, 32, 127-132.	10.1	27
23	Pre-storage of gelified reagents in a lab-on-a-foil system for rapid nucleic acid analysis. <i>Lab on A Chip</i> , 2013, 13, 1509.	6.0	25
24	Surface plasmon resonance-based inhibition assay for real-time detection of <i>Cryptosporidium parvum</i> oocyst. <i>Water Research</i> , 2008, 42, 1693-1699.	11.3	22
25	Intelligent and Ultrasensitive Analysis of Mercury Trace Contaminants via Plasmonic Metamaterial-Based Surface-Enhanced Raman Spectroscopy. <i>Small</i> , 2014, 10, 3252-3256.	10.0	20
26	The benefits of carbon black, gold and magnetic nanomaterials for point-of-harvest electrochemical quantification of domoic acid. <i>Mikrochimica Acta</i> , 2020, 187, 164.	5.0	19
27	Quantitative detection of DNA by autocatalytic enlargement of hybridized gold nanoprobe. <i>Biosensors and Bioelectronics</i> , 2010, 26, 511-516.	10.1	15
28	A coordination and ligand replacement based three-input colorimetric logic gate sensing platform for melamine, mercury ions, and cysteine. <i>RSC Advances</i> , 2015, 5, 59106-59113.	3.6	15
29	Peroxidase-Mimicking Activity of Biogenic Gold Nanoparticles Produced from <i>Prunus nepalensis</i> Fruit Extract: Characterizations and Application for the Detection of <i>Mycobacterium bovis</i> . <i>ACS Applied Bio Materials</i> , 2022, 5, 2712-2725.	4.6	15
30	Handheld SERS coupled with QuEChERS for the sensitive analysis of multiple pesticides in basmati rice. <i>Npj Science of Food</i> , 2022, 6, 3.	5.5	14
31	Isolation and detection of <i>Campylobacter jejuni</i> from chicken fecal samples by immunomagnetic separation-PCR. <i>Food Control</i> , 2012, 24, 23-28.	5.5	13
32	Preparation of Highly Stable Oligo(ethylene glycol) Derivatives-Functionalized Gold Nanoparticles and Their Application in LSPR-Based Detection of PSA/ACT Complex. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 3754-3757.	0.9	11
33	Double-enhancement strategy: A practical approach to a femto-molar level detection of prostate specific antigen-alpha1-antichymotrypsin (PSA/ACT complex) for SPR immunosensing. <i>Journal of Microbiology and Biotechnology</i> , 2007, 17, 1031-5.	2.1	9
34	Gold Nanoparticles-Coated SU-8 for Sensitive Fluorescence-Based Detections of DNA. <i>Diagnostics</i> , 2012, 2, 72-82.	2.6	8
35	Catalytic ferromagnetic gold nanoparticle immunoassay for the detection and differentiation of <i>Mycobacterium tuberculosis</i> and <i>Mycobacterium bovis</i> . <i>Analytica Chimica Acta</i> , 2021, 1184, 339037.	5.4	6
36	Preparation of Highly Stable Oligo(ethylene glycol) Derivatives-Functionalized Gold Nanoparticles and Their Application in LSPR-Based Detection of PSA/ACT Complex. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 3754-3757.	0.9	4

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37	Smartphone Modulated Colorimetric Reader with Color Subtraction. , 2019, , .		3
38	Parallel G-quadruplex-mediated protein dimerization and activation. RSC Advances, 2020, 10, 29957-29960.	3.6	3
39	Preparation of highly stable oligo(ethylene glycol) derivatives-functionalized gold nanoparticles and their application in LSPR-based detection of PSA/ACT complex. Journal of Nanoscience and Nanotechnology, 2007, 7, 3754-7.	0.9	2
40	Au Nanoparticles for Applications in Analysis of Cellular and Biomolecular Recognitions. IFMBE Proceedings, 2010, , 295-298.	0.3	0
41	Analysis of Biological Interactions and Recognitions by Surface Plasmon Resonance. , 0, , 219-245.		0