

Jing Liu

List of Publications by Year in descending order

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34
papers

1,456
citations

361413
20
h-index

377865
34
g-index

34
all docs

34
docs citations

34
times ranked

1936
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical nano-biosensing interface <i>via</i> nucleic acid amplification strategy: construction and application. <i>Chemical Society Reviews</i> , 2018, 47, 1996-2019.	38.1	139
2	Quantum dot-based photoelectric conversion for biosensing applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 67, 56-73.	11.4	114
3	Synthesis of Potassium-Modified Graphene and Its Application in Nitrite-Selective Sensing. <i>Advanced Functional Materials</i> , 2012, 22, 1981-1988.	14.9	101
4	Electrochemical DNA biosensor fabrication with hollow gold nanospheres modified electrode and its enhancement in DNA immobilization and hybridization. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1640-1645.	10.1	90
5	Ultrasensitive DNA detection based on Au nanoparticles and isothermal circular double-assisted electrochemiluminescence signal amplification. <i>Chemical Communications</i> , 2011, 47, 8358.	4.1	89
6	Electrochemiluminescence Resonance Energy Transfer Between CdS:Eu Nanocrystals and Au Nanorods for Sensitive DNA Detection. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17773-17780.	3.1	85
7	DNAzyme Based Nanomachine for <i>In Situ</i> Detection of MicroRNA in Living Cells. <i>ACS Sensors</i> , 2017, 2, 1847-1853.	7.8	77
8	A dual-functional electrochemical biosensor for the detection of prostate specific antigen and telomerase activity. <i>Chemical Communications</i> , 2013, 49, 6602.	4.1	69
9	Highly Sensitive Electrochemiluminescence Detection of Single-Nucleotide Polymorphisms Based on Isothermal Cycle-Assisted Triple-Stem Probe with Dual-Nanoparticle Label. <i>Analytical Chemistry</i> , 2011, 83, 8320-8328.	6.5	68
10	Efficient quenching of electrochemiluminescence from K-doped graphene-CdS:Eu NCs by G-quadruplex-hemin and target recycling-assisted amplification for ultrasensitive DNA biosensing. <i>Chemical Communications</i> , 2013, 49, 2246.	4.1	68
11	Soft Nanoarchitectonics for Enantioselective Biosensing. <i>Accounts of Chemical Research</i> , 2020, 53, 644-653.	15.6	65
12	Potassium-doped graphene for simultaneous determination of nitrite and sulfite in polluted water. <i>Electrochemistry Communications</i> , 2012, 20, 109-112.	4.7	52
13	An effective DNA-based electrochemical switch for reagentless detection of living cells. <i>Chemical Communications</i> , 2011, 47, 4388.	4.1	45
14	Enhanced Peroxidase-Like Properties of Graphene-Hemin Composite Decorated with Au Nanoflowers as Electrochemical Aptamer Biosensor for the Detection of K562 Leukemia Cancer Cells. <i>Chemistry - A European Journal</i> , 2016, 22, 18001-18008.	3.3	42
15	Flexible Gold Electrode Array for Multiplexed Immunochemical Measurement of Three Protein Biomarkers for Prostate Cancer. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 20137-20143.	8.0	41
16	Switchable "on-off" electrochemical technique for direct detection of survivin mRNA in living cells. <i>Analyst</i> , 2012, 137, 3940.	3.5	30
17	Efficient double-quenching of electrochemiluminescence from CdS:Eu QDs by hemin-graphene-Au nanorods ternary composite for ultrasensitive immunoassay. <i>Scientific Reports</i> , 2016, 6, 30577.	3.3	29
18	An improved G-quadruplex DNAzyme for dual-functional electrochemical biosensing of adenosines and hydrogen peroxide from cancer cells. <i>Chemical Communications</i> , 2014, 50, 1178-1180.	4.1	27

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19	A Ternary Composite Based on Graphene, Hemin, and Gold Nanorods with High Catalytic Activity for the Detection of Cell Surface Glycan Expression. <i>Chemistry - A European Journal</i> , 2015, 21, 1908-1914.	3.3	27
20	Enhanced electrochemiluminescence ratiometric cytosensing based on surface plasmon resonance of Au nanoparticles and nanosucculent films. <i>Biosensors and Bioelectronics</i> , 2021, 189, 113367.	10.1	26
21	Amplified fluorescence detection of serum prostate specific antigen based on metal-dependent DNAzyme assistant nanomachine. <i>Analytica Chimica Acta</i> , 2018, 1008, 96-102.	5.4	20
22	Nanogold Flower-Inspired Nanoarchitectonics Enables Enhanced Light-to-Heat Conversion Ability for Rapid and Targeted Chemo-Photothermal Therapy of a Tumor. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801300.	7.6	20
23	Novel graphene/Au-CdS:Eu composite-based electrochemiluminescence immunosensor for cancer biomarker detection by coupling resonance energy transfer and enzyme catalytic reaction. <i>Journal of Electroanalytical Chemistry</i> , 2016, 781, 410-417.	3.8	16
24	Advances in DNA/RNA detection using nanotechnology. <i>Advances in Clinical Chemistry</i> , 2019, 91, 31-98.	3.7	16
25	Visual Detection of Cucumber Green Mottle Mosaic Virus Based on Terminal Deoxynucleotidyl Transferase Coupled with DNAzymes Amplification. <i>Sensors</i> , 2019, 19, 1298.	3.8	14
26	Dual-biomarker-based logic-controlled electrochemical diagnosis for prostate cancers. <i>Electrochemistry Communications</i> , 2013, 32, 27-30.	4.7	12
27	Electrocatalytic reduction of a coreactant using a hemin-graphene-Au nanoparticle ternary composite for sensitive electrochemiluminescence cytosensing. <i>RSC Advances</i> , 2016, 6, 26203-26209.	3.6	12
28	T4 DNA polymerase-assisted upgrade of a nicking/polymerization amplification strategy for ultrasensitive electrochemical detection of Watermelon mosaic virus. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2915-2924.	3.7	12
29	Electrochemical selective detection of carnitine enantiomers coupling copper ion dependent DNAzyme with DNA assistant hybridization chain reaction. <i>Journal of Electroanalytical Chemistry</i> , 2019, 837, 137-142.	3.8	12
30	Nucleic acid isothermal amplification-based soft nanoarchitectonics as an emerging electrochemical biosensing platform. <i>Nanoscale</i> , 2022, 14, 10286-10298.	5.6	11
31	Human serum biomarker detection based on a cascade signal amplification strategy by a DNA molecule machine. <i>Chemical Communications</i> , 2015, 51, 10843-10846.	4.1	9
32	Proximity binding induced nucleic acid cascade amplification strategy for ultrasensitive homogeneous detection of PSA. <i>Analytica Chimica Acta</i> , 2021, 1186, 339123.	5.4	7
33	Viral cDNA-based extension for highly sensitive fluorescence detection of DNA methyltransferase activity. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3488-3494.	7.8	6
34	Electrochemical monitoring of single nucleotide polymorphisms of rice varieties related to blast resistance based on PCR product and T4 DNA polymerase. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 649-655.	7.8	5