Hanping He

List of Publications by Year
in descending order

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33 papers	817 citations	516710 16 h-index	501196 28 g-index
34 all docs	34 docs citations	34 times ranked	1005 citing authors

#	Article	IF	Citations
1	Direct Electrodeposition of Gold Nanostructures onto Glassy Carbon Electrodes for Non-enzymatic Detection of Glucose. Electrochimica Acta, 2014, 132, 524-532.	5.2	124
2	Highly sensitive nitrite sensor based on AuNPs/RGO nanocomposites modified graphene electrochemical transistors. Biosensors and Bioelectronics, 2019, 146, 111751.	10.1	69
3	Application of nanomaterials in the bioanalytical detection of disease-related genes. Biosensors and Bioelectronics, 2015, 74, 113-133.	10.1	68
4	Molecular Engineering of Efficient Singlet Oxygen Generators with Nearâ€Infrared AIE Features for Mitochondrial Targeted Photodynamic Therapy. Advanced Functional Materials, 2021, 31, 2104026.	14.9	68
5	Silver nanoclusters-assisted triple-amplified biosensor for ultrasensitive methyltransferase activity detection based on AuNPs/ERGO hybrids and hybridization chain reaction. Biosensors and Bioelectronics, 2018, 118, 174-180.	10.1	44
6	A novel ratiometric fluorescent probe for selective detection of bisulfite in living cells. RSC Advances, 2017, 7, 2573-2577.	3.6	34
7	A small molecule regulates hairpin structures in d(CGG) trinucleotide repeats. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 2000-2003.	2.2	31
8	High-performance Pt/Ti3C2Tx MXene based graphene electrochemical transistor for selective detection of dopamine. Analytica Chimica Acta, 2022, 1201, 339653.	5.4	28
9	Non-invasive detection of glucoseviaa solution-gated graphene transistor. Analyst, The, 2020, 145, 887-896.	3.5	27
10	Facile electrochemical biosensor based on a new bifunctional probe for label-free detection of CGG trinucleotide repeat. Biosensors and Bioelectronics, 2013, 49, 282-289.	10.1	26
11	Highly sensitive methyl parathion sensor based on Au-ZrO2 nanocomposites modified graphene electrochemical transistor. Electrochimica Acta, 2020, 357, 136836.	5.2	25
12	A Small Molecule Affecting the Replication of Trinucleotide Repeat d(GAA)_n. Chemistry - A European Journal, 2009, 15, 10641-10648.	3.3	24
13	Surface protein imprinted magnetic nanoparticles for specific recognition of bovine hemoglobin. New Journal of Chemistry, 2016, 40, 564-570.	2.8	24
14	An electrochemical impedance sensor based on a small molecule modified Au electrode for the recognition of a trinucleotide repeat. Analyst, The, 2014, 139, 5482-5487.	3.5	20
15	Selective recognition of Gâ€“G mismatch using the double functional probe with electrochemical activeferrocenyl. Biosensors and Bioelectronics, 2013, 42, 36-40.	10.1	19
16	An electrochemical impedance sensor for simple and specific recognition of Gâ€“G mismatches in DNA. Analytical Methods, 2016, 8, 7413-7419.	2.7	18
17	Naphthyridineâ€Benzoazaquinolone: Evaluation of a Tricyclic System for the Binding to (CAG)_n Repeat DNA and RNA. Chemistry - an Asian Journal, 2016, 11, 1971-1981.	3.3	17
18	Ag nanocubes monolayer-modified PDMS as flexible SERS substrates for pesticides sensing. Mikrochimica Acta, 2022, 189, .	5.0	17

#	Article	IF	Citations
19	A Novel Electrochemical Biosensor Based on a Double-Signal Technique for d(CAG)_n Trinucleotide Repeats. ACS Applied Materials & Interfaces, 2017, 9, 44231-44240.	8.0	15
20	Ratiometric electrochemical biosensor based on Exo III-Assisted recycling amplification for the detection of CAG trinucleotide repeats. Biosensors and Bioelectronics, 2019, 142, 111537.	10.1	15
21	An HBT-Based Near-Infrared Fluorescent Probe for Colorimetric and Ratiometric Detection of Bisulfite and its Application in Living Cells. Journal of Fluorescence, 2017, 27, 1405-1411.	2.5	14
22	A gold electrode modified with a gold-graphene oxide nanocomposite for non-enzymatic sensing of glucose at near-neutral pH values. Mikrochimica Acta, 2019, 186, 722.	5.0	14
23	Au-PEDOT/rGO nanocomposites functionalized graphene electrochemical transistor for ultra-sensitive detection of acetaminophen in human urine. Analytica Chimica Acta, 2022, 1191, 339306.	5.4	13
24	HBT-based turn-on fluorescent probe for discrimination of homocysteine from glutathione/cysteine and its bioimaging applications. RSC Advances, 2017, 7, 16387-16391.	3.6	12
25	Visual detection and removal of mercury ions by a ferrocene derivative. Tetrahedron Letters, 2014, 55, 3541-3544.	1.4	10
26	Synthesis and characterization of a bifunctional nanoprobe for CGG trinucleotide repeat detection. RSC Advances, 2017, 7, 36124-36131.	3.6	10
27	Synthesis of tetraphenylethene-based Dâ€“A conjugated molecules with near-infrared AIE features, and their application in photodynamic therapy. Journal of Materials Chemistry B, 2022, 10, 3550-3559.	5.8	9
28	Electrochemical Investigation of Interaction between a Bifunctional Probe and GG Mismatch Duplex. Analytical Sciences, 2015, 31, 663-667.	1.6	6
29	A novel electrochemical method based on screen-printed electrodes and magnetic beads for detection of trinucleotide repeat sequence d(CAG)_n. New Journal of Chemistry, 2018, 42, 9757-9763.	2.8	6
30	A novel solution-gated graphene transistor biosensor for ultrasensitive detection of trinucleotide repeats. Analyst, The, 2020, 145, 4795-4805.	3.5	5
31	A fluorescent method based on magnetic nanoparticles for detection of CGG trinucleotide repeat genes. New Journal of Chemistry, 2019, 43, 1322-1327.	2.8	3
32	A Novel Electrochemical Sensor Based on [Ru(NH₃)₆]Cl₃ as a Redox Indicator for the Detection of G-G Mismatched DNA. Analytical Sciences, 2017, 33, 585-590.	1.6	1
33	Solutionâ€gated transistor based on electrochemically reduced graphene oxide channel. Journal of Materials Science, 2022, 57, 4652-4663.	3.7	1