Jia Ge

List of Publications by Year
in descending order

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52 papers	2,847 citations	172207 29 h-index	168136 53 g-index
53 all docs	53 docs citations	53 times ranked	3651 citing authors

#	Article	IF	Citations
1	Highly Sensitive and Selective Strategy for MicroRNA Detection Based on WS₂ Nanosheet Mediated Fluorescence Quenching and Duplex-Specific Nuclease Signal Amplification. Analytical Chemistry, 2014, 86, 1361-1365.	3.2	348
2	A rapid fluorescence â€œswitch-onâ€•assay for glutathione detection by using carbon dotsâ€“MnO2 nanocomposites. Biosensors and Bioelectronics, 2015, 72, 31-36.	5.3	302
3	Synthesis of Luminescent Carbon Dots with Ultrahigh Quantum Yield and Inherent Folate Receptor-Positive Cancer Cell Targetability. Scientific Reports, 2018, 8, 1086.	1.6	215
4	Fluorescence Activation Imaging of Cytochrome c Released from Mitochondria Using Aptameric Nanosensor. Journal of the American Chemical Society, 2015, 137, 982-989.	6.6	163
5	A novel aptameric nanobiosensor based on the self-assembled DNAâ€“MoS₂nanosheet architecture for biomolecule detection. Journal of Materials Chemistry B, 2014, 2, 625-628.	2.9	149
6	A Highly Sensitive Target-Primed Rolling Circle Amplification (TPRCA) Method for Fluorescent in Situ Hybridization Detection of MicroRNA in Tumor Cells. Analytical Chemistry, 2014, 86, 1808-1815.	3.2	132
7	Highly Sensitive MicroRNA Detection by Coupling Nicking-Enhanced Rolling Circle Amplification with MoS₂ Quantum Dots. Analytical Chemistry, 2020, 92, 13588-13594.	3.2	117
8	Reduced graphene oxide nanosheets functionalized with poly(styrene sulfonate) as a peroxidase mimetic in a colorimetric assay for ascorbic acid. Mikrochimica Acta, 2016, 183, 1847-1853.	2.5	88
9	Nitrogen-doped Carbon Dots Mediated Fluorescent on-off Assay for Rapid and Highly Sensitive Pyrophosphate and Alkaline Phosphatase Detection. Scientific Reports, 2017, 7, 5849.	1.6	81
10	An aptamer-based signal-on bio-assay for sensitive and selective detection of Kanamycin A by using gold nanoparticles. Talanta, 2015, 139, 226-232.	2.9	80
11	A label-free method for detecting biothiols based on poly(thymine)-templated copper nanoparticles. Biosensors and Bioelectronics, 2015, 69, 77-82.	5.3	79
12	Facile approach to prepare HSA-templated MnO2 nanosheets as oxidase mimic for colorimetric detection of glutathione. Talanta, 2019, 195, 40-45.	2.9	75
13	A WS₂nanosheet based sensing platform for highly sensitive detection of T4 polynucleotide kinase and its inhibitors. Nanoscale, 2014, 6, 6866-6872.	2.8	69
14	A highly sensitive label-free sensor for Mercury ion (Hg2+) by inhibiting thioflavin T as DNA G-quadruplexes fluorescent inducer. Talanta, 2014, 122, 85-90.	2.9	58
15	Highly sensitive fluorescence detection of mercury (II) ions based on WS2 nanosheets and T7 exonuclease assisted cyclic enzymatic amplification. Sensors and Actuators B: Chemical, 2017, 249, 189-194.	4.0	50
16	A novel graphene oxide based fluorescent nanosensing strategy with hybridization chain reaction signal amplification for highly sensitive biothiol detection. Chemical Communications, 2014, 50, 11879-11882.	2.2	49
17	Label-free and rapid detection of ATP based on structure switching of aptamers. Analytical Biochemistry, 2017, 526, 22-28.	1.1	44
18	N-doped carbon dots for highly sensitive and selective sensing of copper ion and sulfide anion in lake water. Journal of Environmental Chemical Engineering, 2021, 9, 105081.	3.3	40

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19	Facile synthesis of biomass waste-derived fluorescent N, S, P co-doped carbon dots for detection of Fe³⁺ ions in solutions and living cells. Analytical Methods, 2021, 13, 789-795.	1.3	39
20	A label-free assay for T4 polynucleotide kinase/phosphatase activity and its inhibitors based on poly(thymine)-templated copper nanoparticles. Talanta, 2016, 146, 253-258.	2.9	38
21	Label-free and enzyme-free detection of microRNA based on a hybridization chain reaction with hemin/G-quadruplex enzymatic catalysis-induced MoS₂ quantum dots via the inner filter effect. Nanoscale, 2020, 12, 808-814.	2.8	38
22	A novel one-step colorimetric assay for highly sensitive detection of glucose in serum based on MnO₂ nanosheets. Analytical Methods, 2017, 9, 4275-4281.	1.3	35
23	A Simple, pH-Activatable Fluorescent Aptamer Probe with Ultralow Background for Bispecific Tumor Imaging. Analytical Chemistry, 2019, 91, 9154-9160.	3.2	34
24	A facile label-free aptasensor for detecting ATP based on fluorescence enhancement of poly(thymine)-templated copper nanoparticles. Analytical and Bioanalytical Chemistry, 2016, 408, 6711-6717.	1.9	33
25	A facile fluorescence assay for rapid and sensitive detection of uric acid based on carbon dots and MnO₂nanosheets. New Journal of Chemistry, 2018, 42, 15121-15126.	1.4	33
26	A rapid and sensitive turn-on fluorescent probe for ascorbic acid detection based on carbon dotsâ€“MnO₂ nanocomposites. Analytical Methods, 2017, 9, 5653-5658.	1.3	31
27	A rapid biosensor for highly sensitive protein detection based on G-quadruplex-Thioflavin T complex and terminal protection of small molecule-linked DNA. Sensors and Actuators B: Chemical, 2017, 252, 1146-1152.	4.0	31
28	Human serum albumin templated MnO2 nanosheets are oxidase mimics for colorimetric determination of hydrogen peroxide and for enzymatic determination of glucose. Mikrochimica Acta, 2018, 185, 559.	2.5	30
29	DNA-stabilized silver nanoclusters with guanine-enhanced fluorescence as a novel indicator for enzymatic detection of cholesterol. Analytical Methods, 2013, 5, 2182.	1.3	29
30	A novel label-free fluorescent molecular beacon for the detection of 3â€²â€“5â€² exonuclease enzymatic activity using DNA-templated copper nanoclusters. New Journal of Chemistry, 2017, 41, 9718-9723.	1.4	29
31	Human serum albumin templated MnO₂nanosheets as an efficient biomimetic oxidase for biomolecule sensing. Journal of Materials Chemistry B, 2020, 8, 11090-11095.	2.9	27
32	PSS-GN nanocomposites as highly-efficient peroxidase mimics and their applications in colorimetric detection of glucose in serum. RSC Advances, 2015, 5, 90400-90407.	1.7	24
33	Sensitive and label-free T4 polynucleotide kinase/phosphatase detection based on poly(thymine)-templated copper nanoparticles coupled with nicking enzyme-assisted signal amplification. Analytical Methods, 2016, 8, 2831-2836.	1.3	21
34	A Cu2+-assisted fluorescence switch biosensor for detecting of coenzyme A employing nitrogen-doped carbon dots. Talanta, 2021, 224, 121838.	2.9	21
35	Multibranched Linear DNA-Controlled Assembly of Silver Nanoclusters and Their Applications in Aptamer-Based Cell Recognition. ACS Applied Materials & Interfaces, 2022, 14, 14953-14960.	4.0	19
36	Development of a highly sensitive sensing platform for T4 polynucleotide kinase phosphatase and its inhibitors based on WS₂nanosheets. Analytical Methods, 2014, 6, 7212-7217.	1.3	17

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37	A turn-on fluorescent probe for sensitive detection of ascorbic acid based on SiNPâ€“MnO₂nanocomposites. New Journal of Chemistry, 2019, 43, 9466-9471.	1.4	17
38	Simultaneous detection of the spike and nucleocapsid proteins from SARS-CoV-2 based on ultrasensitive single molecule assays. Analytical and Bioanalytical Chemistry, 2021, 413, 4645-4654.	1.9	17
39	3D halos assembled from Fe₃O₄/Au NPs with enhanced catalytic and optical properties. Nanoscale, 2019, 11, 20968-20976.	2.8	14
40	Fluorometric determination of nucleic acids based on the use of polydopamine nanotubes and target-induced strand displacement amplification. Mikrochimica Acta, 2018, 185, 105.	2.5	13
41	A label-free aptasensor for highly sensitive ATP detection by using exonuclease I and oligonucleotide-templated fluorescent copper nanoparticles. Analytical Methods, 2017, 9, 2710-2714.	1.3	12
42	Ultrasensitive fluorometric glutathione assay based on a conformational switch of a G-quadruplex mediated by silver(I). Mikrochimica Acta, 2017, 184, 3325-3332.	2.5	12
43	A simple and sensitive fluorescence assay for biothiol and acetylcholinesterase activity detection based on a HSAâ€“AuNCs@Cu²⁺ complex. Analytical Methods, 2019, 11, 5031-5037.	1.3	12
44	A Self-Assembly Fluorescence Sensing Platform for Glutathione Detection Based on Eco-Friendly Quantum Dots and MnO₂ Nanosheets. Journal of Nanoscience and Nanotechnology, 2018, 18, 1709-1715.	0.9	11
45	Grapheneâ€“hemin hybrid nanosheets as a label-free colorimetric platform for DNA and small molecule assays. RSC Advances, 2014, 4, 64252-64257.	1.7	10
46	Label-free biosensor based on dsDNA-templated copper nanoparticles for highly sensitive and selective detection of NAD+. RSC Advances, 2016, 6, 91077-91082.	1.7	10
47	A novel molecular logic system based on lead-induced substitution of potassium from a G-quadruplex as a fluorescent lead sensor. Analytical Methods, 2013, 5, 5597.	1.3	9
48	A novel label-free biosensor based on self-assembled aptamer/GO architecture for sensitive detection of biomolecules. Analytical Methods, 2015, 7, 5606-5610.	1.3	6
49	MoS2 quantum dots as fluorescent probe for methotrexate detection. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 279, 121443.	2.0	5
50	A novel fluorescence method for the highly sensitive detection of T4 polynucleotide kinase based on polydopamine nanotubes. New Journal of Chemistry, 2019, 43, 16753-16758.	1.4	4
51	A highly sensitive fluorescent biosensor for the detection of cytochrome c based on polydopamine nanotubes and exonuclease I amplification. New Journal of Chemistry, 2021, 45, 11347-11351.	1.4	4
52	A highly sensitive fluorescence method for the detection of T4 polynucleotide kinase phosphatase based on polydopamine nanotubes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 267, 120594.	2.0	4