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	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
2	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
3	MoS2 quantum dots as fluorescent probe for methotrexate detection. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 279, 121443.	2.0	5
4	A Cu2+-assisted fluorescence switch biosensor for detecting of coenzyme A employing nitrogen-doped carbon dots. Talanta, 2021, 224, 121838.	2.9	21
5	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
6	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
7	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
8	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
9	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
10	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
11	Highly Sensitive MicroRNA Detection by Coupling Nicking-Enhanced Rolling Circle Amplification with MoS₂ Quantum Dots. Analytical Chemistry, 2020, 92, 13588-13594.	3.2	117
12	A Simple, pH-Activatable Fluorescent Aptamer Probe with Ultralow Background for Bispecific Tumor Imaging. Analytical Chemistry, 2019, 91, 9154-9160.	3.2	34
13	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
14	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
15	3D halos assembled from Fe₃O₄/Au NPs with enhanced catalytic and optical properties. Nanoscale, 2019, 11, 20968-20976.	2.8	14
16	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
17	Facile approach to prepare HSA-templated MnO2 nanosheets as oxidase mimic for colorimetric detection of glutathione. Talanta, 2019, 195, 40-45.	2.9	75
18	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

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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	Label-free and rapid detection of ATP based on structure switching of aptamers. Analytical Biochemistry, 2017, 526, 22-28.	1.1	44
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	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

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37	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
38	A label-free method for detecting biothiols based on poly(thymine)-templated copper nanoparticles. Biosensors and Bioelectronics, 2015, 69, 77-82.	5.3	79
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	A WS₂nanosheet based sensing platform for highly sensitive detection of T4 polynucleotide kinase and its inhibitors. Nanoscale, 2014, 6, 6866-6872.	2.8	69
47	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
48	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
49	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
50	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
51	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
52	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