Taiping Qing

List of Publications by Year
in descending order

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44 papers	2,339 citations	236612 25 h-index	233125 45 g-index
45 all docs	45 docs citations	45 times ranked	2361 citing authors

#	Article	IF	Citations
1	In-situ covalent bonding of carbon dots on two-dimensional tungsten disulfide interfaces for effective monitoring and remediation of chlortetracycline residue. Chemical Engineering Journal, 2022, 432, 134315.	6.6	13
2	Nucleoside-regulated catalytic activity of copper nanoclusters and their application for mercury ion detection. New Journal of Chemistry, 2022, 46, 4687-4692.	1.4	5
3	Proximity sequence-dependent spectral conversion of silver nanoclusters and construction of ratiometric nanoprobe. Chemical Engineering Journal, 2022, 441, 136001.	6.6	12
4	Applications of carbon dots in environmental pollution control: A review. Chemical Engineering Journal, 2021, 406, 126848.	6.6	238
5	Nanoparticles-EPS corona increases the accumulation of heavy metals and biotoxicity of nanoparticles. Journal of Hazardous Materials, 2021, 409, 124526.	6.5	28
6	DNA-coded metal nano-fluorophores: Preparation, properties and applications in biosensing and bioimaging. Nano Today, 2021, 36, 101021.	6.2	31
7	Adsorption-improved MoSe2 nanosheet by heteroatom doping and its application for simultaneous detection and removal of mercury (II). Journal of Hazardous Materials, 2021, 413, 125470.	6.5	56
8	Fluorescent and colorimetric dual-mode detection of tetracycline in wastewater based on heteroatoms-doped reduced state carbon dots. Environmental Pollution, 2021, 283, 117109.	3.7	49
9	Graphene oxide-regulated low-background aptasensor for the â€œturn onâ€•detection of tetracycline. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 260, 119898.	2.0	11
10	Fluorometric determination of the breast cancer 1 gene based on the target-induced conformational change of a DNA template for copper nanoclusters. Analytical Methods, 2021, 13, 712-718.	1.3	2
11	Highly sensitive B, N co-doped carbon dots for fluorescent and colorimetric dual-mode detection of mercury ions in wastewater. Journal of Environmental Chemical Engineering, 2021, 9, 106882.	3.3	16
12	Low-temperature rapid synthesis of high-stable carbon dots and its application in biochemical sensing. Dyes and Pigments, 2020, 175, 108184.	2.0	29
13	An intramolecular catalytic hairpin assembly on a DNA tetrahedron for mRNA imaging in living cells: improving reaction kinetics and signal stability. Chemical Science, 2020, 11, 1985-1990.	3.7	147
14	Nano-fluorescent probes based on DNA-templated copper nanoclusters for fast sensing of thiocyanate. New Journal of Chemistry, 2020, 44, 17296-17301.	1.4	5
15	Graphene biosensors for bacterial and viral pathogens. Biosensors and Bioelectronics, 2020, 166, 112471.	5.3	113
16	Beyond native deoxyribonucleic acid, templating fluorescent nanomaterials for bioanalytical applications: A review. Analytica Chimica Acta, 2020, 1105, 11-27.	2.6	23
17	DNA/RNA chimera-templated copper nanoclusters for label-free detection of reverse transcription-associated ribonuclease H. Sensors and Actuators B: Chemical, 2020, 316, 128072.	4.0	14
18	In situ synthesis of fluorescent copper nanoclusters for rapid detection of ascorbic acid in biological samples. Analytical Methods, 2019, 11, 4580-4585.	1.3	19

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19	Recent progress in copper nanocluster-based fluorescent probing: a review. Mikrochimica Acta, 2019, 186, 670.	2.5	92
20	Amplified colorimetric detection of tetracycline based on an enzyme-linked aptamer assay with multivalent HRP-mimicking DNAzyme. Analyst, The, 2019, 144, 1948-1954.	1.7	38
21	High specific MNase assay for rapid identification of Staphylococcus aureus using AT-rich dsDNA substrate. Talanta, 2019, 204, 693-699.	2.9	7
22	Rapid synthesis of Au/Ag bimetallic nanoclusters with highly biochemical stability and its applications for temperature and ratiometric pH sensing. Analytica Chimica Acta, 2019, 1070, 88-96.	2.6	27
23	Detection of micrococcal nuclease for identifying Staphylococcus aureus based on DNA templated fluorescent copper nanoclusters. Mikrochimica Acta, 2019, 186, 248.	2.5	34
24	Synthesis of fluorescent tungsten disulfide by nitrogen atom doping and its application for mercury(<scp>ii</scp>) detection. Journal of Materials Chemistry C, 2019, 7, 4096-4101.	2.7	11
25	Identification and function of extracellular protein in wastewater treatment using proteomic approaches: A minireview. Journal of Environmental Management, 2019, 233, 24-29.	3.8	14
26	An ion quencher operated lamp for multiplexed fluorescent bioassays. Analytical and Bioanalytical Chemistry, 2018, 410, 1427-1434.	1.9	1
27	Hairpin-Contained i-Motif Based Fluorescent Ratiometric Probe for High-Resolution and Sensitive Response of Small pH Variations. Analytical Chemistry, 2018, 90, 1889-1896.	3.2	58
28	Label-Free Fluorescent Detection of Hg2+ in Aqueous Media Based on N-Doped MoS2 Nanosheets. Nano, 2018, 13, 1850057.	0.5	3
29	Highly Fe³⁺-Selective Fluorescent Nanoprobe Based on Ultrabright N/P Codoped Carbon Dots and Its Application in Biological Samples. Analytical Chemistry, 2017, 89, 7477-7484.	3.2	277
30	Label-free and sensitive assay for deoxyribonuclease I activity based on enzymatically-polymerized superlong poly(thymine)-hosted fluorescent copper nanoparticles. Talanta, 2017, 169, 57-63.	2.9	34
31	Dumbbell DNA-templated CuNPs as a nano-fluorescent probe for detection of enzymes involved in ligase-mediated DNA repair. Biosensors and Bioelectronics, 2017, 94, 456-463.	5.3	40
32	A selective nanosensor for ultrafast detection of Cu²⁺ions based on C5 DNA-templated gold nanoclusters and Fenton-like reaction. Analytical Methods, 2017, 9, 6222-6227.	1.3	8
33	Triple-helix molecular switch-induced hybridization chain reaction amplification for developing a universal and sensitive electrochemical aptasensor. RSC Advances, 2016, 6, 90310-90317.	1.7	13
34	Oligonucleotide-templated rapid formation of fluorescent gold nanoclusters and its application for Hg2+ ions sensing. Talanta, 2016, 161, 170-176.	2.9	22
35	Nucleic acid tool enzymes-aided signal amplification strategy for biochemical analysis: status and challenges. Analytical and Bioanalytical Chemistry, 2016, 408, 2793-2811.	1.9	37
36	Application Progress of Exonuclease-Assisted Signal Amplification Strategies in Biochemical Analysis. Chinese Journal of Analytical Chemistry, 2015, 43, 1620-1628.	0.9	7

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37	Poly(thymine)-Templated Copper Nanoparticles as a Fluorescent Indicator for Hydrogen Peroxide and Oxidase-Based Biosensing. Analytical Chemistry, 2015, 87, 7454-7460.	3.2	102
38	dsDNA-templated fluorescent copper nanoparticles: poly(AT-TA)-dependent formation. RSC Advances, 2014, 4, 61092-61095.	1.7	52
39	Target-Catalyzed Dynamic Assembly-Based Pyrene Excimer Switching for Enzyme-Free Nucleic Acid Amplified Detection. Analytical Chemistry, 2014, 86, 4934-4939.	3.2	76
40	Visual and Portable Strategy for Copper(II) Detection Based on a Striplike Poly(Thymine)-Caged and Microwell-Printed Hydrogel. Analytical Chemistry, 2014, 86, 11263-11268.	3.2	77
41	dsDNA-specific fluorescent copper nanoparticles as a â€œgreenâ€•nano-dye for polymerization-mediated biochemical analysis. Chemical Communications, 2014, 50, 12746-12748.	2.2	58
42	Ligation-rolling circle amplification combined with Î³-cyclodextrin mediated stemless molecular beacon for sensitive and specific genotyping of single-nucleotide polymorphism. Talanta, 2014, 125, 306-312.	2.9	17
43	Poly(thymine)â€Templated Selective Formation of Fluorescent Copper Nanoparticles. Angewandte Chemie - International Edition, 2013, 52, 9719-9722.	7.2	278
44	Poly(Thymine)-Templated Fluorescent Copper Nanoparticles for Ultrasensitive Label-Free Nuclease Assay and Its Inhibitors Screening. Analytical Chemistry, 2013, 85, 12138-12143.	3.2	120