

Qi Xiao

List of Publications by Year in descending order

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27
papers

1,029
citations

471509

17
h-index

526287

27
g-index

27
all docs

27
docs citations

27
times ranked

1539
citing authors

#	ARTICLE	IF	CITATIONS
1	Conformation, thermodynamics and stoichiometry of HSA adsorbed to colloidal CdSe/ZnS quantum dots. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 1020-1027.	2.3	174
2	Study on the molecular interaction of graphene quantum dots with human serum albumin: Combined spectroscopic and electrochemical approaches. <i>Journal of Hazardous Materials</i> , 2015, 285, 18-26.	12.4	108
3	A simple and sensitive method for l-cysteine detection based on the fluorescence intensity increment of quantum dots. <i>Analytica Chimica Acta</i> , 2009, 645, 73-78.	5.4	96
4	A ratiometric nanosensor based on fluorescent carbon dots for label-free and highly selective recognition of DNA. <i>RSC Advances</i> , 2015, 5, 44587-44597.	3.6	70
5	An electrochemical biosensor based on single-stranded DNA modified gold electrode for acrylamide determination. <i>Sensors and Actuators B: Chemical</i> , 2016, 224, 22-30.	7.8	58
6	Ultrasensitive electrochemical microRNA-21 biosensor coupling with carboxylate-reduced graphene oxide-based signal-enhancing and duplex-specific nuclease-assisted target recycling. <i>Sensors and Actuators B: Chemical</i> , 2019, 297, 126740.	7.8	57
7	Systematically investigations of conformation and thermodynamics of HSA adsorbed to different sizes of CdTe quantum dots. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 76-82.	5.0	56
8	Low-temperature rapid synthesis of nitrogen and phosphorus dual-doped carbon dots for multicolor cellular imaging and hemoglobin probing in human blood. <i>Sensors and Actuators B: Chemical</i> , 2018, 265, 326-334.	7.8	44
9	Novel N-Doped Carbon Dots/ β -Cyclodextrin Nanocomposites for Enantioselective Recognition of Tryptophan Enantiomers. <i>Sensors</i> , 2016, 16, 1874.	3.8	40
10	Systematical investigation of in vitro molecular interaction between fluorescent carbon dots and human serum albumin. <i>RSC Advances</i> , 2016, 6, 44531-44542.	3.6	39
11	Facile synthesis and characterization of highly fluorescent and biocompatible N-acetyl-l-cysteine capped CdTe/CdS/ZnS core/shell/shell quantum dots in aqueous phase. <i>Nanotechnology</i> , 2012, 23, 495717.	2.6	37
12	Selenocyanobenziodoxolone: a practical electrophilic selenocyanation reagent and its application for solid-state synthesis of α -carbonyl selenocyanates. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1967-1971.	4.5	30
13	Voltammetric determination of attomolar levels of a sequence derived from the genom of hepatitis B virus by using molecular beacon mediated circular strand displacement and rolling circle amplification. <i>Mikrochimica Acta</i> , 2018, 185, 206.	5.0	29
14	Molecular interaction investigation between three CdTe:Zn ²⁺ quantum dots and human serum albumin: A comparative study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 955-962.	5.0	27
15	High-yield synthesis of monodisperse gold nanorods with a tunable plasmon wavelength using 3-aminophenol as the reducing agent. <i>Nanoscale</i> , 2019, 11, 22890-22898.	5.6	23
16	Unexpected reaction patterns enable simultaneous differentiation of H ₂ S, H ₂ S _n and biothiols. <i>Chemical Communications</i> , 2019, 55, 8130-8133.	4.1	22
17	A label-free and ultrasensitive electrochemical aptasensor for lead(II) using a N,P dual-doped carbon dot-chitosan composite as a signal-enhancing platform and thionine as a signaling molecule. <i>Analyst, The</i> , 2018, 143, 4764-4773.	3.5	18
18	A ratiometric electrochemical aptasensor for ultrasensitive determination of adenosine triphosphate via a triple-helix molecular switch. <i>Mikrochimica Acta</i> , 2019, 186, 478.	5.0	17

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19	A lysosome-targetable fluorescent probe for the simultaneous sensing of Cys/Hcy and GSH from different emission channels. <i>RSC Advances</i> , 2019, 9, 7955-7960.	3.6	16
20	Simple and sensitive determination of papain by resonance light-scattering with CdSe quantum dots. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 146-151.	5.0	15
21	A ratiometric electrochemical biosensor for ultrasensitive and highly selective detection of the K-ras gene <i>via</i> exonuclease III-assisted target recycling and rolling circle amplification strategies. <i>Analytical Methods</i> , 2019, 11, 4146-4156.	2.7	15
22	Study on selective oxidations of gold nanorod and mesoporous silica-coated gold nanorod. <i>Journal of Materials Science</i> , 2019, 54, 8133-8147.	3.7	10
23	Comparison of molecular interactions of Ag ₂ Te and CdTe quantum dots with human serum albumin by spectroscopic approaches. <i>Luminescence</i> , 2018, 33, 181-189.	2.9	8
24	Ratiometric electrochemical biosensor for ultrasensitive and highly selective detection of p53 gene based on nicking endonuclease-assisted target recycling and rolling circle amplification. <i>Microchemical Journal</i> , 2021, 168, 106461.	4.5	7
25	A Mn:ZnSe quantum dot-based turn-on fluorescent sensor for the highly selective and sensitive detection of Cd ²⁺ . <i>Analytical Methods</i> , 2020, 12, 552-556.	2.7	6
26	Ultrasensitive Electrochemical Biosensor for HPV16 Oncogene Based on Y-shaped DNA Catalytic Hairpin Assembly and Template-free DNA Extension Reaction. <i>Electroanalysis</i> , 2022, 34, 1001-1011.	2.9	5
27	Carbon dots-based frequency-doubling scattering probes for the ultrasensitive and highly selective determination of hemoglobin. <i>Analytical Methods</i> , 2018, 10, 891-899.	2.7	2