

# Qi Xiao

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | 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         |
| 2  | 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         |
| 3  | A Mn:ZnSe quantum dot-based turn-on fluorescent sensor for the highly selective and sensitive detection of Cd <sup>2+</sup> . <i>Analytical Methods</i> , 2020, 12, 552-556.  | 2.7 | 6         |
| 4  | A ratiometric electrochemical biosensor for ultrasensitive and highly selective detection of the K-ras gene via exonuclease III-assisted target recycling and rolling circle amplification strategies. <i>Analytical Methods</i> , 2019, 11, 4146-4156. | 2.7 | 15        |
| 5  | 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        |
| 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  | Unexpected reaction patterns enable simultaneous differentiation of H <sub>2</sub> S, H <sub>2</sub> S <sub>n</sub> and biothiols. <i>Chemical Communications</i> , 2019, 55, 8130-8133.  | 4.1 | 22        |
| 8  | Selenocyanobenziodoxolone: a practical electrophilic selenocyanation reagent and its application for solid-state synthesis of $\alpha$ -carbonyl selenocyanates. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1967-1971.                               | 4.5 | 30        |
| 9  | 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        |
| 10 | 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        |
| 11 | 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        |
| 12 | 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        |
| 13 | 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         |
| 14 | 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        |
| 15 | Comparison of molecular interactions of Ag <sub>2</sub> Te and CdTe quantum dots with human serum albumin by spectroscopic approaches. <i>Luminescence</i> , 2018, 33, 181-189.   | 2.9 | 8         |
| 16 | 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</i> , 2018, 143, 4764-4773.                | 3.5 | 18        |
| 17 | Novel N-Doped Carbon Dots/ $\beta$ -Cyclodextrin Nanocomposites for Enantioselective Recognition of Tryptophan Enantiomers. <i>Sensors</i> , 2016, 16, 1874.  | 3.8 | 40        |
| 18 | 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        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | 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        |
| 20 | 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        |
| 21 | Molecular interaction investigation between three CdTe:Zn <sup>2+</sup> quantum dots and human serum albumin: A comparative study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 955-962.          | 5.0  | 27        |
| 22 | 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       |
| 23 | 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        |
| 24 | 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        |
| 25 | 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        |
| 26 | 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        |
| 27 | 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       |