Resume of Hou-Qun YUAN

Basic Information



School : Gender: Date of Birth: Title: Education: Tutor: Interest of research:

School of Life and Health Sciences Female 198202 Associate Professor Ph.D of Science Master degree Fluorescent sensors, Biosensors, Paper-based analysis, Metal-orgainic frameworks

Academic Background

From September 2000 to July 2004, Xiaogan University, Bachelor degree in Chemistry;

From September 2004 to July 2007, Liaoning Normal University, Master degree of Science;

From December 2005 to November 2007, Toyohashi University of Technology, Master degree of engineering;

From April 2008 to March 2011, Osaka University, Ph.D of Science.

Oversea Study

2005/12-2007/11, Master student, Toyohashi University of Technology, Japan; 2008/04-2011/03, Doctoral student, Osaka University, Japan;

Enrollment Information

1. Enrollment Discipline: Pharmacy, Food Science and Engineering, Biology and Medicine, Light Industry Technology and Engineering, Material Science and Engineering, Chemistry.

2. Research direction: Fluorescence Sensor, Detection of Biomarkers & Hazardous, Nanozyme

3. Enrollment Year: Annually

Representative Projects

1. National Natural Science Foundation of China "Construction and evaluation of chitinase-responsive ivermectin controlled release delivery system" (No. 22165012), China, Project leader.

2. National Natural Science Foundation of China "The design, synthesis, structural control and properties of chiral luminescent lanthanide complexes" (No. 21461011), China, Project leader.

Representative Articles

1. A multifunctional Eu³⁺-MOF for simultaneous quantification of malachite green and leuco-malachite green and efficient adsorption of malachite green. *Journal of Hazardous Materials*, 2024, 465, 133386.

 A facile and intelligent detection method for diclazuril based on a stable dual emissive Eu³⁺-dopped metal-organic framework. *Food Chemistry*, 2024, 453, 139652.
Dual-emissive Eu(III)-functionalized metal-organic frameworks for visual, rapid,

and intelligent sensing of albendazole and albendazole sulfoxide in animal-origin food. *Analytica Chimica Acta*, 2024, 1288, 342196.

4. A recyclable Eu³⁺-functionalized dual-emissive metal-organic framework for portable, rapid detection and efficient removal of malachite green. Analyst, 2024, 149, 395-402.

 Dual emissive Cl, N-codoped carbon dots for highly selective and sensitive detection of amphotericin B in milk and wastewater. *Microchemical Journal*, 2024, 204, 111105.
Highly Selective and Sensitive Fluorescent Biosensor for the Detection of Serotonin and its Metabolite by Eu³⁺-Doped Metal-Organic Framework. *Chemical Engineering Journal*, 2022, 427, 131563.

7. A highly water-stable dual-emission fluorescent probe based on Eu³⁺-loaded MOF for the simultaneous detection and quantification of Fe³⁺ and Al³⁺ in swine wastewater. Analytica Chimica Acta, 2022, 1221, 340115.

8. Recyclable Europium Functionalized Metal-Organic Fluorescent Probe for Detection of Tryptophan in Biological Fluids and Food Products. Analytica Chimica Acta, 2021, 1180, 338897.

9. Highly sensitive and rapid detection of thiabendazole residues in oranges based on a luminescent Tb³⁺-functionalized MOF. Food Chemistry, 2021, 343, 128504.

10. A colorimetric and fluorescence lighting-up probe for the determination of biogenic primary diamine during the spoilage of fish. Dyes and Pigments, 2021, 186, 108963.