

Louisiana Tech University

## Louisiana Tech Digital Commons

---

Doctoral Dissertations

Graduate School

---

Summer 8-2019

# Design, Microfabrication and Characterization of Concentric Gold Nanoring Electrode for Neurochemical Sensing

Haocheng Yin  
*Louisiana Tech University*

Follow this and additional works at: <https://digitalcommons.latech.edu/dissertations>



Part of the [Engineering Commons](#)

---

### Recommended Citation

Yin, Haocheng, "" (2019). *Dissertation*. 840.  
<https://digitalcommons.latech.edu/dissertations/840>

This Dissertation is brought to you for free and open access by the Graduate School at Louisiana Tech Digital Commons. It has been accepted for inclusion in Doctoral Dissertations by an authorized administrator of Louisiana Tech Digital Commons. For more information, please contact [digitalcommons@latech.edu](mailto:digitalcommons@latech.edu).

LOUISIANA TECH UNIVERSITY

GRADUATE SCHOOL

**June 6, 2019**

Date of dissertation defense

We hereby recommend that the dissertation prepared by

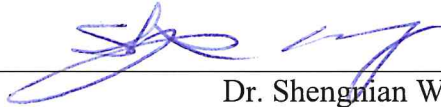
**Haocheng Yin**

entitled **DESIGN, MICROFABRICATION AND CHARACTERIZATION OF  
CONCENTRIC GOLD NANORING ELECTORDE FOR NEUROCHEMICAL  
SENSING**

be accepted in partial fulfillment of the requirements for the degree of

**Doctor of Philosophy in Engineering, Micro & Nanoscale Systems Conc.**


  
Dr. Prabhu Arumugam, Supervisor of Dissertation Research

  
Dr. Shengnian Wang,  
Head of Engineering


**Members of the Doctoral Committee:**

Dr. Shengnian Wang  
Dr. Sandra Zivanovic  
Dr. Arden Moore  
Dr. Leland Weiss

**Approved:**

  
Hisham Hegab  
Dean of Engineering & Science

**Approved:**

  
Ramu Ramachandran  
Dean of the Graduate School