

Associate Professor YIN Binfeng

College	College of Mechanical Engineering
Current Position	Lecturer
Types of Tutor	Master Tutor
Language	Chinese/English
Education	Yeungnam University PhD Yeungnam University Bachelor
Research Interests	Micro and nano-fabrication ; Microfluidic chip in vitro diagnosis ; Biochemical nanosensor ;
Selected Publications	<p>1. Yiping Chen, Binfeng Yin, Mingling Dong, Yunlei Xianyu and Xingyu Jiang. A versatile T1-based chemical analysis platform using Fe³⁺/Fe²⁺ interconversion. <i>Analytical Chemistry</i>, 90, 1234–1240, 2018 (IF: 6.320) (Co-first author)</p> <p>2. Binfeng Yin, Wenshu Zheng, Mingling Dong, Wenbo Yu, Yiping Chen, Sang Woo Joo and Xingyu Jiang. An enzyme-mediated competitive colorimetric sensor based on Au@Ag bimetallic nanoparticles for highly sensitive detection of disease biomarkers. <i>Analyst</i>, 142, 2954–2960, 2017 (IF: 3.885)</p> <p>3. Binfeng Yin, Yu Wang, Mingling Dong, Jing Wu, Bei Ran, Mengxia Xie, Sang Woo Joo and Yiping Chen. One-step multiplexed detection of foodborne pathogens: Combining a quantum dot-mediated reverse assaying strategy and magnetic separation. <i>Biosensors and Bioelectronics</i>, 86, 996–1002, 2016 (IF: 7.476)</p> <p>4. Yiping Chen, Jiashu Sun, Yunlei Xianyu, Binfeng Yin, Yajing Niu, Songbai Wang, Fengjing Cao, Xiaoqing Zhang, Yu Wang and Xingyu Jiang. A dual-readout chemiluminescent-gold lateral flow test for multiplex and ultrasensitive detection of disease biomarkers in real samples. <i>Nanoscale</i>, 8, 15205–15212, 2016 (IF: 7.76)</p> <p>5. Yiping Chen, Yunlei Xianyu, Jing Wu, Binfeng Yin and Xingyu Jiang. Click chemistry-mediated nanosensors for biochemical assays. <i>Theranostics</i>,</p>

	<p>6(7), 969–985, 2016 (IF: 8.854)</p> <p>6. Jafar Azamat, Alireza Khataee, Sang Woo Joo and Binfeng Yin. Removal of trihalomethanes from aqueous solution through armchair carbon nanotubes: A Molecular dynamics study. <i>Journal of Molecular Graphics and Modelling</i>, 57, 70–75, 2015 (IF: 1.674)</p> <p>7. Binfeng Yin and Jong Wook Kawk. PCIA Cloud Service Modeling and Performance Analysis of Physical & Logical Resource Provisioning, <i>Journal of the Korea Society of Computer and Information (KSCI)</i>, 19(2), 1–10, 2014</p>
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