Hanna Cho

Department of Fine Chemistry
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EDUCATION

Mar. 2017 ~ Present	**Seoul National University of Science and Technology** Department of Fine Chemistry *Advisor: Chul Kim* *Master Student* GPA: 4.19/4.5	Seoul, Korea
Mar. 2013 ~ Feb. 2017	**Seoul National University of Science and Technology** Department of Fine Chemistry *B.S. in Fine Chemistry* GPA: 3.75/4.5	Seoul, Korea

RESEARCH INTERESTS

- Computational chemistry
- Modeling

PUBLICATIONS (SCIE/ESCI)

1. Haeri So, Hanna Cho, Hangyul Lee, Minh Cong Tran, Ki-Tae Kim, Cheal Kim, "Detection of zinc (II) and hypochlorite by a thiourea-based chemosensor via two emission channels and its application in vivo", *MICROCHEMICAL JOURNAL,* (2020)
2. Hanna Cho, Ju Byeong Chae, Cheal Kim, "Cinnamaldehyde-Based Chemosensor for Colorimetric Detection of Cu2+ and Hg2+ in a Near-Perfect Aqueous Solution", *CHEMISTRYSELECT,* (2019)
3. Hanna Cho, Ju Byeong Chae, Cheal Kim, "A thiophene-based blue-fluorescent emitting chemosensor for detecting indium (III) ion", *INORGANIC CHEMISTRY COMMUNICATIONS,* (2018)

CONFERENCES (TALK/POSTER)

1. Min Seon Kim, Hanna Cho, Cheal Kim, “Highly selective and sensitive colorimetric chemosensor for detection of Co2+ in a near-perfect aqueous solution” the 253rd ACS National Meeting & Exposition, San Francisco, LA, United States, April 2–6, 2017
2. Hanna Cho, Minuk Yang, Suhmi Hwang, Sehoon Kim, Cheal Kim “A novel colorimetric chemosensor for multiple target metal ions Fe2+, Co3+, and Cu2+ in near- perfect aqueous solution: Experimental and theoretical studies” 255th ACS National Meeting & Exposition, New Orleans , LA, United States, May 18-22, 2018

RESEARCH EXPERIENCES

- Visiting scholar at Department of Biochemistry, University of Michigan (Jan. 2019 ~ Dec. 2019)

PROJECTS

1. Mechanism and Real-Time Detection of DNA Cleavage, Youngnam university, Korea (2016-2018)
2. Development of Non-Heme Biomimetic Catalysts for High-Efficiency Conversion of Methane, Seoul National University, Korea (2016-2017)

TEACHING EXPERIENCE