

## BINH T. NGUYEN

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### EDUCATION:

**Bachelor of Chemistry: October 2010**

University of Science, VNU

Adviser: Cam Hoai Ho

### RESEARCH AND TEACHING EMPLOYMENT:

**PhD Student in Chemistry**

**From 09/2011**

University of Science, Vietnam National University, Ho Chi Minh City, Vietnam

**Teaching Assistant**

**From 01/2016**

Ho Chi Minh City Pedagogical University, Ho Chi Minh City, Vietnam

### RESEARCH PUBLICATIONS IN PEER REVIEWED JOURNALS:

1. **Binh T. Nguyen**, Ha L. Nguyen, Tranh C. Nguyen, Kyle E. Cordova, and Hiroyasu Furukawa. High Methanol Uptake Capacity in Two New Series of Metal–Organic Frameworks: Promising Materials for Adsorption-Driven Heat Pump Applications, *Chemistry of Materials*, **2016**, 28, 6243-6249
2. L. T. M. Hoang, L. H. Ngo, H. L. Nguyen, C. K. Nguyen, **B. T. Nguyen**, Q. T. Ton, H. K. D. Nguyen, K. E. Cordova, T. Truong. Azobenzene-Containing Metal-Organic Framework as an Efficient Heterogeneous Catalyst for Direct Amidation of Benzoic Acids: Synthesis of Bioactive Compounds, *Chemical Communications*, **2015**, 51, 17132-17135
3. T, T. Anh; **Nguyen, T. Binh**; Ho, T. C. Hoai; B, D. T. Huong; Nguyen, T. T. Mai. Antioxidative activities and chemical constituents of the ethyl acetate extract from *jasminum undulatum* Ker-Gawl, *Science & Technology Development*, **2011**, 14, 50-57

### CONFERENCE PRESENTATIONS:

1. **Binh T. Nguyen**, Ha L. Nguyen, Tranh C. Nguyen, Kyle E. Cordova, and Hiroyasu Furukawa. High Methanol Uptake Capacity in Two New Series of Metal–Organic Frameworks: Promising Materials for Adsorption-Driven Heat Pump Applications, 8<sup>th</sup> *International Workshop on Advanced Materials Science and Nanotechnology*, IWAMSN **2016**, Ha Long City. (Poster)
2. **Binh T. Nguyen**, Integrated Amide Functionalities within an IRMOF-74 Series for CO<sub>2</sub> Capture. Conference: *Chemicals and Advanced Materials for the Environment – CMAE 2015*, 4<sup>th</sup> Celebration for French-Vietnamese scientific relationships, Hanoi Capital. (Oral)
3. **Binh T. Nguyen**, Hiroyasu Furukawa, Ha L. Nguyen, Kyle E. Cordova, Tranh C. Nguyen, Integrated Amide Functionalities within an IRMOF-74 Series for CO<sub>2</sub>

- Capture. Symposium: *150 Years of Beautiful structures and Defects*, UC-Berkeley & Vietnam National University, **2014**, Ho Chi Minh City. (Poster)
4. **Nguyen, T. Binh**, Ho, T. C. Hoai, Nguyen, C. Tranh. Metal Organic Framework materials based on N,N'-bis(3,5-dicarboxylicphenyl) pyromellitic diimide, *Chemistry Conference for Life and Production*, **2013**, Ho Chi Minh City, Vietnam. (Poster)

**PROFESSIONAL SOCIETIES:**

**LANGUAGE PROFICIENCY:**

-Native Vietnamese Speaker

**CHEMISTRY INSTRUMENTATION EXPERTISE:**

Volumetric Gas/Vapor Adsorption

Powder X-ray Diffraction

FT-IR

Air-Free techniques including Glovebox + Schlenk Line