

## Professor DONG Baoxia

College	College of Chemistry & Chemical Engineering
Current Position	Professor
Types of Tutor	Doctoral Tutor
Language	Chinese/English
Education	PhD in Inorganic Chemistry, Northeast Normal University
Research Interests	CO <sub>2</sub> methanation and the electrochemical reduction of CO <sub>2</sub> ; The design, preparation, and application of MOFs and POMOFs
Selected Publications	<ol style="list-style-type: none"><li>1. <b>B. X. Dong</b>,* S. Y. Zhang, W. L. Liu, Y. C. Wu, J. Ge, L. Song, and Y. L. Teng* Gas storage and separation in a water-stable[Cu<sub>5</sub>BTT<sub>3</sub>]<sup>4-</sup> anion framework comprising a giant multi-prismatic nanoscale cage, <i>Chem. Commun.</i>, 2015, 51, 5691</li><li>2. <b>Bao-Xia Dong</b>*, Hui Tian, Yi-Chen Wu, Fan-Yan Bu, Wen-Long Liu, Yun-Lei Teng*, Guo-Wang Diao, Improved electrolysis of liquid ammonia for hydrogen generation via ammonium salt electrolyte and Pt/Rh/Ir electrocatalysts, <i>Int. J. Hydrogen Energy</i>, 41(33), 14507-14518</li><li>3. <b>Bao-Xia Dong</b>,* Fan-Yan Bu, Yi-Chen Wu, Juan Zhao, Yun-Lei Teng,* Wen-Long Liu, and Zong-Wei Li. Construction of (3,4)-Connected Polyoxometalate-Based Metal–Organic Frameworks (POMOFs) from Triangular Carboxylate and Tetrahedral Zn<sub>4</sub>-<math>\epsilon</math>-Keggin, <i>Cryst. Growth Des.</i>, 2017, 17(10), 5309-5317</li><li>4. <b>Bao-Xia Dong</b>, Yong-Mei Pan, Wen-Long Liu, and Yun-Lei Teng, An Ultrastable Luminescent Metal–Organic Framework for Selective Sensing of Nitroaromatic Compounds and Nitroimidazole-Based Drug Molecules. <i>Crystal Growth &amp; Design</i>, 2018, 18, 431-440</li><li>5. <b>Bao-Xia Dong</b>,* She-Liang Qian, Fan-Yan Bu, Yi-Chen Wu, Li-Gang Feng, Yun-Lei Teng,* Wen-Long Liu, and Zong-Wei Li Electrochemical Reduction of CO<sub>2</sub> to CO by a Heterogeneous Catalyst of Fe-Porphyrin-Based Metal-Organic Framework, <i>ACS Appl. Energy Mater.</i> 2018, 1, 4662-4669</li></ol>

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