

平成 29 年 5 月 26

国立研究開発法人理化学研究所 侯有機金属化学研究室  
侯 召民 主任研究員殿

国立研究開発法人理化学研究所  
理事 松本 洋一郎

### 平成 28 年度実施主任研究員の研究業績レビュー（中間）の結果について

主任研究員、准主任研究員及び上席研究員研究業績評価実施細則(平成 28 年 4 月 28 日細則第 46 号)に基づき主任研究員の研究レビュー（中間）を実施し、レビューアーから事務局に送られた評価結果を下記のとおり報告いたします。なお、評価委員の総意のもと、意見を取りまとめた報告書として提出いただいたこと、申し添えます。

#### 1. 評価対象：侯有機金属化学研究室侯 召民主任研究員

##### 1) 評価体制

実施日：平成 29 年 3 月 22 日（水曜日）

4 名の所外有識者を評価委員とするヒアリングレビューを実施。

評価者：

William J. EVANS, Professor

University of California, Irvine

Motomu KANAI, Professor

The University of Tokyo

Mitsuo SAWAMOTO, Professor

Kyoto University

Hisashi YAMAMOTO, Professor

Chubu University

##### 2) 評価結果の概要等

###### *General comments:*

At the beginning of this review period in April 2009, Dr. Hou was leading an outstanding research program involving the electropositive rare-earth metals and the early transition metals that was focused on generation of unique co-polymers. In the past seven years, he has continued to do excellent research in the co-polymer area, but he has also built on the strengths of his laboratory to broaden the scope of his research. His research now includes two important topics of global concern, reduction of carbon dioxide and dinitrogen fixation, as well as an area that is critical to developing better pharmaceutical products, catalytic organic synthesis. The expansion of his research operation involves not only new targets, but also a very different type of metal, namely

copper, to achieve his goals. This substantial expansion and diversification is possible due to the excellent research team and laboratory facilities that Dr. Hou has assembled at RIKEN. The excellence of these new endeavors is reflected in the fact that his new results are published in the top chemical journals. Dr. Hou is addressing research topics of both scientific and societal significance in novel ways that have given him and RIKEN an international reputation for excellence in organometallic catalysis and reaction chemistry and in polymerization catalysis. His outstanding research team seems eager to pursue the research objectives to make substantial contributions to chemical topics of global importance in the future. This is a very strong program that continues to get stronger. The overall assessment is outstanding.

以上