



## Photo- and Electro-Catalysis of Nanomaterials for Energy Conversion and Storage

Guest Editors:

**Dr. Hee-chaе Choi**

Theoretical Materials & Chemistry  
Group, Institute of Inorganic  
Chemistry, University of Cologne,  
Greinstr. 6, 50939 Cologne,  
Germany

**Dr. So-Hye Cho**

Materials Architecturing Research  
Center, Korea Institute of Science  
& Technology, 5 Hwarang-ro 14-  
gil, Seongbuk-gu, Seoul 02792,  
Korea

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### Message from the Guest Editors

Dear Colleagues,

Photo- and electro-catalysis are regarded as promising methods of eco-friendly and sustainable energy conversion and storage. Nanomaterials especially show a number of amazing and unexpected phenomena which have never been observed in bulky materials. As many research groups have reported interesting and excellent photo- and electro-catalytic material performances and physics in performance recently, we would like to take this opportunity to gather works with focused and narrowed topics in a Special Issue.

This Special Issue aims to cover research on photo- and electro-catalysis of nanomaterials especially with following topics:

1. Water splitting and hydrogen energy production
2. Nitrogen reduction reaction
3. CO<sub>2</sub> conversion
4. Metal-air battery
5. Catalysis mechanism
6. Modeling, simulations, and theory

