

## Special Issue of “Nanochemistry”

Nanochemistry is a term describing the chemistry at the nanometer scale, which was named after nano-terms, such as nanotechnology and nanoscience. Although there is not any exact and/or official definition, nanochemistry is a field of chemistry that constructs/assembles the nanoscale species through covalent bonds or non-covalent intermolecular weak forces, characterizes their chemical and spatial structure employing a wide variety of technologies, investigates the interactions/reactions of these nanoscale species or with smaller molecules, and utilizes these nanoscale species for different purposes on the basis of their related properties.

Contributed and witnessed by the Chinese scientists, nanochemistry has been well-established and developed in China at the same pace with their global colleagues. In this special issue of “Nanochemistry”, there are 19 contributions from Chinese Universities and Institutes, in which one was collaborated with Singapore researchers. Among these contributions, seven are of review/account type, and 12 are original research presentations (seven Full Papers, four Communications, and one Note). Although these contributions could not cover all aspects of the researches on nanochemistry in China, they can be considered typical representative ones. While most contributions construct their nanoscale species through supramolecular self-assembling, several contributions construct their nanoscale species through covalent bonds starting from small molecular components. There are three contributions that deal with biological supramolecular systems, three contributions that apply the nanoscale species to catalysis reactions, and two contributions that use the porous nanoscale species to store/

capture gases. The special issue of “Nanochemistry” is supposed to set up a platform for international communication and potential collaboration.

Finally, I would like to sincerely thank all the contributors, reviewers, and editorial board members for their great efforts, which make the special issue of “Nanochemistry” published in January 2015.



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