Editorial Board Members:
Naoto Chatani (Osaka University)
Chien-Hong Cheng (National Tsing Hua University)
Hyun-Joon Ha (Hankuk University of Foreign Studies)
Chun-Cheng Lin (National Tsing Hua University and Academia Sinica)
Teck Peng Loh (Nanyang Technological University)
Uday Maitra (Indian Institute of Science, Bangalore)
Michio Murata (Osaka University)
Shin-Ichiro Nishimura (Hokkaido University)
Takashi Ooi (Nagoya University)
Ganesh Pandey (Centre of Biomedical Magnetic Resonance, Lucknow)
Michael Sherburn (Australian National University)
Young-Ger Suh (Seoul National University)
Zhenfeng Xi (Peking University)
Shuli You (Shanghai Institute of Organic Chemistry)

Honorary Board Members:
Lixin Dai (Shanghai Institute of Organic Chemistry)
Eun Lee (Seoul National University)
Goverdhan Mehta (University of Hyderabad)
Teruaki Mukaiyama (Kitasato University)
Koji Nakanishi (Columbia University)
Ei-ichi Negishi (Purdue University)
Ryoji Noyori (RIKEN and Nagoya University)
Akira Suzuki (Hokkaido University)
Chi-Huey Wong (Scripps Research Institute)
Daoben Zhu (Institute of Chemistry, Chinese Academy of Sciences)
International Advisory Board:
Comprising 58 world-renowned scientists, from all around the globe.
A Two-Photon Probe for Near-Membrane Zinc Ions
Kailash Rathore, Chang Su Lim, Young Lee, Hee Jung Park, Bong Rae Cho*

It takes two to probe: A two-photon probe for near-membrane zinc ions is reported. This probe is derived from a fluorene derivative that has a long-chain hydrocarbon tail and a zinc ion receptor. It predominantly stains the plasma membrane and emits strong two-photon excited fluorescence upon binding with zinc ions.

Domino Knoevenagel Condensation/Aza- Ene Addition/N- Cyclization Route to Functionalized Imidazo[1,2-a]pyridines and Pyrido[1,2-alpyrimidines
Sathiyamoorthi Sivakumar, Raju Ranjith Kumar*

One-pot wonder! The syntheses of imidazo[1,2-a]pyridines and pyrido[1,2-alpyrimidines were carried out by using a one-pot three-component protocol. The reaction proceeds in a single step through a domino Knoevenagel condensation/aza-ene addition/imine-enamine tautomerization/chemoselective N-cyclization sequence of reactions (In=indolyl).

Chameleonic Binding of the Dimethyl Diazaperopyrenium Dication by Cucurbit[8]uril
Karel J. Hartlieb, Ashish N. Basuray, Chenfeng Ke, Amy A. Sarjeant, Henri-Pierre Jacquot de Rouville, Takashi Kikuchi, Ross S. Forgan, Josh W. Kurutz, J. Fraser Stoddart*

Two are better than one: The diazaperopyrenium dication acts as both a viologen-like electron-poor and an electron-rich guest, resulting in the formation of a 1:2 complex with cucurbit[8]uril. This chameleonic binding facilitates deaggregation of the dications from aqueous solutions, leading to an increase in the fluorescence quantum yield of the diazaperopyrenium dication.

Application of “Click” Chemistry to the Construction of Supramolecular Functional Systems
Liang Xu, Yongjun Li*, Yuliang Li**

Click! The click reaction forms 1,4-disubstituted 1,2,3-triazoles regioselectively. By incorporating a CH hydrogen-bond donor these triazoles can be used as anion receptors, and with their atom arrangement and electronic properties similar to those of a peptide bond, they can be used in the synthesis of bioactive macrocycles. Because of the unique mode of cyclization and recognition sites, they can also be used in the construction of molecular machines.