

## POSTERS

### **Stimulus-Triggered Release of NMR and MRI Contrast Agents Gated by the Mechanical Bonds of Rotaxanes**

Carson J. Bruns, Joel A. Finbloom, Clancy C. Slack, Keunhong Jeong, David E. Wemmer, Alexander Pines, Matthew B. Francis

### **Influence of Constitution and Charge on Radical Pairing Interactions in Trisradical Tricationic Complexes**

Chuyang Cheng, Tao Cheng, Hai Xiao, Matthew Krzyaniak, Yuping Wang, Paul McGonigal, Marco Frasconi, Jonathan Barnes, Albert Fahrenbach, Michael Wasielewski, William Goddard III, J. Fraser Stoddart

### **Real-time Capture of the Folding-Unfolding Transitions in a Single Oligorotaxane Foldamer**

Damien Sluysmans, Sandrine Hubert, Carson J. Bruns, Zhixue Zhu, J. Fraser Stoddart, Anne-Sophie Duwez

### **Facile Iterative Synthesis of Oligo[*n*]rotaxanes**

Jamie E. M. Lewis, Joby Winn, Luca Cera, Robert J. Bordoli, Mathieu Denis, Catherine J. Fletcher, Marzia Galli, Ed A. Neal, Elise M. Rochette, Stephen M. Goldup

### **Multivalency as a Tool for Constructing Complex Switches and Their Inhibition**

Larissa K. S. von Krbek, Cristoph A. Schalley

### **A Hydrazone-Switch Based Negative Feedback Loop**

Susnata Pramanik, Ivan Aprahamian

### **Ultrafast Excited State Dynamics in Molecular Rotors: Coupling Rotor Length to Medium Viscosity**

Jamie Conyard, Peter Stacko, Sophie McDonagh, Christopher R. Hall, Sergey P. Laptенок, Ben. L. Feringa, Stephen R. Meech

### **Photocontrol over Dynamic Covalent Imine Chemistry**

Michael Kathan, Petr Kovaricek, Stefan Hecht

### **New Dipyridazine-Based Molecular Rotors for Preparation of Bulk Inclusions in TPP**

Jiri Kaleta, Guillaume Bastien, Martin Dracinsky, Ivana Cisarova, Charles T. Rogers, Josef Michl

### **Photo-Driven Foldamers and Duplex's**

Fred Parks, Yun Liu, Semin Lee, Yuran Hua, Amar H. Flood

### **Self-assembled Crystals that Perform Molecular Rotor-Based Computations**

Natalie Wasio, Diana Slough, Zachary Smith, Samuel Thomas, Yu-Shan Lin, Charlie Sykes

### **Understanding the Energy Landscapes of Biomolecular Motors: The Basis for Directionality and Force Generation in Myosin Motors**

Shayantani Mukherjee, Arie Warshel

**Suppression of Kasha's Rule (SOKR) as a Mechanism for Fluorescent Molecular Rotors and Aggregation Induced Emission**

Hai Qian, Morgan E. Cousins, Erik H. Horak, Audrey Wakefield, Matthew D. Liptak, Ivan Aprahamian

**Azoheteroaryl Photoswitches and Their Applications**

Claire E. Weston, Robert D. Richardson, and Matthew J. Fuchter

**Fine Tuning of Noncovalent Bonding Interaction for Rapid Artificial Molecular Pump Operation**

Cristian Pezzato, Chuyang Cheng, Hasan Arslan, Dong Jun Kim, Michael Otley, J. Fraser Stoddart

**Crystals with Fluidity**

Xing Jiang, Miguel A. Garcia-Garibay

**Symbiotic control in mechanical bond formation**

Yuping Wang, J. Fraser Stoddart