## **PHOTOCHEMISTRY** Vol. 44, No. 1 (2013)

Preface	
Visiting old, learning new	
(Kitakyushu National College of Technology)	
Toshihiko NAGAMURA	1
Reviews	
Selective Formation of Oxetanes using Photochemical[2+2]cycloaddition Reaction	
(Graduate School of Science, Hiroshima University, JST-CREST, Institute of Molecular Science)  Yoshimi FUJII, Manabu ABE	9
1 OSIIIIII POJII, Manadu ABE	2
Electron transfer reactions and two-dimensional free energy surfaces in solution	
(Research Institute of Instrumentation Frontier National Institute of Advanced Industrial Science and Technological Control of Contr	)gy)
Shigeo MURATKA	11
Application of optical trapping to molecular systems	
(Graduate School of Engineering Science, Osaka University)	
Syoji ITO	18
Topics	
Properties of Polymer Materials Studied by Fluorescence Imaging Techniques beyond the Diffract	ior
Barrier	101
(Advanced Biomedical Engineering Research Unit, Kyoto University)	
Hiroyuki AOKI	26
Luminescent metal complexes bearing N-heterocyclic carbene ligands	
(Department of Materials and Life Science, Seikei University)	
Taro TSUBOMURA	31
Highly Enantioselective Bio-Supramolecular Photochirogenesis Mediated by Human Serum Album	iin:
Catalytic Use and Mechanism Elucidation by Time-Resolved Fluorescence Anisotropy Techniqu	e
(Office for University-Industry Collaboration and Department of Applied Chemistry, Osaka University)  Masaki NISHIJIMA, Yoshihisa INOUE	31
Masaki Mishishika, Tushinisa INOUE	
Essay	
Introducing and Maintaining Large-scale Equipment for Photochemistry at the Provincial Universit	-
(Faculty of Science, University of Ryul	-
Toshio UCHIHARA	39
Report	40
Circulars	46
Announcements	48