PHOTOCHEMISTRY Vol. 43, No. 1 (2012)

Preface
Message from the President of the Japanese Photochemistry Association
(Department of Chemistry, Faculty of Science, Hokkaido University)
Noboru KITAMURA1
Reviews
Recent Advances in Photochromic Molecules with Fast Thermal Bleaching Rate
(School of Science and Engineering, Aoyama Gakuin University; JST-CREST)
Jiro ABE 2
Evolution of Computational-Chemistry Simulations and Electronic-Structural Chemistry for Developing Molecular Fluorescent Probes
(Graduate School of Science and Technology, Kumamoto University)
Manabu SUGIMOTO10
Topics
Tantalum (oxy)nitride Photoanodes for Efficient Water Splitting under Visible Light
(Graduate School of Engineering, Kyoto University)
Ryu ABE18
Imaging of intracellular temperature distribution by fluorescence lifetime measurements
(Graduate School of Pharmaceutical Sciences, The University of Tokyo)
Seiichi UCHIYAMA, Kohki OKABE
(Graduate School of Biological Sciences, Nara Institute of Science and Technology)
Noriko INADA24
Light-driven supramolecular machines
(Institute of Multidisciplinary Research for Advanced Materials, Tohoku University)
Kazushi KINBARA28
Highly effective photochromic reactions of diarylethenes
(Graduate School of Science and Engineering, Saga University) Michinori TAKESHITA32
Exploiting Boron Characteristics to Develop Highly Emissive Organic Solids
(Institute for Chemical Research, Kyoto University; JST-PRETO)
Atsushi Wakamiya35
Trend Two-photon reactions using enhanced electric fields with localized surface plasmon
(Department of Applied Chemistry, Faculty of Engineering, Kyushu University)
Yukina TAKAHASHI, Sunao YAMADA39
Tukilla Trueriti, Sullato Trueritisti
Essay41
Record42
Circulars46
Announcements49