

□ ■ Preface ■ □

(Tohoku University) Osamu Ito 157

□ ■ Photochemistry Reviews ■ □

Molecular Control of Photoinduced Electrochromism and Applications to Molecular Photonics

(Kyushu University) Toshihiko NAGAMURA 158

Transient Absorption Study on Primary Process of TiO₂ Photocatalytic Reactions

(National Institute of Advanced Industrial Science and Technology) Ryuzi KATOH, Akihiro FURUBE 166

Photochemical Molecular Transformations Mediated by Vitamin B₁₂-Inspired Catalysts

(Kyushu University) Hisashi SHIMAKOSHI, Takahiro MASUKO, Yoshio HISAEDA 174

Biomolecular Damage through Photosensitized Reaction

(Shizuoka University) Kazutaka HIRAKAWA 180

Understanding “Emission” Helps to Design of Luminescent Complexes with Lanthanide(III):

Emission and Structural Behaviors of Praseodymium(III) Complexes

(Aoyama Gakuin University) Miki HASEGAWA 188

□ ■ Topic in Photochemistry ■ □

Detection and Behaviors of Active Intermediates in TiO₂ Photocatalytic Reaction

(Nagaoka University of Technology) Yoshio NOSAKA 196

Photodevice Consistent with Bio-Component as a Core Part of Artificial Device

(National Institute of Advanced Industrial Science and Technology) Nao TERASAKI 200

Photoinduced Electron-Transfer Reactions, Thermoluminescence, and Organic Light-Emitting

Diodes via Biradicals

(Osaka Prefecture University) Hiroshi IKEDA 204

Curious Temperature Dependence of the Energy Gap ΔG of the Photo-Induced Charge-Separation in Photosynthetic Reaction Center

(Nagoya University) Yutaka SHIBATA, Shigeru ITOH, (Teikyo University) Isamu IKEGAMI 209

Organic Pigment/Inorganic Host Composites as Highly Stabilized Ecological Color Materials

(Kao Corporation) Masashi SHIBATA, (Shizuoka University) Yoshiumi KOHNO 212

□ ■ Conference Reports ■ □

(Osaka University) Tomoyoshi SUENOBU

(Nara Institute of Science and Technology) Yasuchika HASEGAWA 215

□ ■ Invitation to Upcoming Conference ■ □

..... 216

□ ■ Announcements ■ □

..... 217