

## Preface

The Japan-France research network on photochromism

(Kyushu University)

Masahiro IRIE .....67

## Reviews

Hydrogen-Treated Rutile Titanium Oxide Photocatalysts

(Faculty of Environmental Engineering, the University of Kitakyushu)

Fumiaki AMANO .....68

Exploration of novel mechanisms based on interfacial charge-transfer transitions

From solar energy conversions to biomaterials

(Division of Molecular Science, Graduate School of Science and Technology, Gunma University)

Jun-ichi FUJISAWA .....76

Photophysics of the triplet excited state in relation to molecular room-temperature phosphorescence

(Department of Materials Science and Engineering, Tokyo Institute of Technology)

Shuzo HIRATA .....84

## Topics

Interaction between single molecule and an electromagnetic field confined within several nanometers by plasmon resonance

(National Institute of Advanced Industrial Science and Technology (AIST))

Tamitake ITOH .....92

Multi-Emitting Langmuir-Blodgett Hybrid Films of Cationic Iridium Complexes for Oxygen Sensing on the basis of Energy Transfer

(Ehime University, Graduate School of Science and Engineering)

Hisako SATO .....96

How can we obtain plasmonic gold parts on nanostructures?

(Department of Materials Science and Engineering, Tokyo Institute of Technology)

Sachiko MATSUSHITA ..... 100

Essay

..... 104

Circulars

..... 108

Announcements

..... 134