## PHOTOCHEMISTRY Vol. 51, No. 3 (2020)

Preface
Perspective Scope through International Double-Degree PhD Program
(Executive Directors, The Japanese Photochemistry Association;
Graduate School of Science and Technology, Nara Institute of Science and Technology)
Tsuyoshi KAWAI 131
Reviews
Ultrafast Spectroscopic Measurements of Semiconductor Nanoparticles
(Graduate School of Technology, Industrial and Social Science, Tokushima University • pLED)
Tetsuro KATAYAMA 132
Photon upconversion from visible light to ultraviolet light (School of Engineering, Tokyo Institute of Technology; PRESTO, JST)
Yoichi MURAKAMI 138
Photoinduced Decarboxylative Radical Reactions of Carboxylic Acids Using Photoredox Catalysts
(Graduate School of Engineering, University of Fukui)
Yasuharu YOSHIMI 146
Topics
Control of working wavelength for plasmonic photocatalysts
(Faculty of Science and Engineering, Kindai University)
Atsuhiro TANAKA, Hiroshi KOMINAMI 153
Logical Design over the Photochemical/Photophysical Properties of Helicene Derivatives Based on
the Symmetry of Molecular Orbitals: Photoreactivity, Emission Intensity, and CPL Properties  (Institute for Chemical Research, Kyoto University)
(Histitute for Chemical Research, Ryoto University)  Takashi HIROSE 157
Synthesis of luminescent mixed coordination polymers by solid solution method
(Department of Chemistry, School of Science, University of Toyama)
Kiyoshi TSUGE 161
Essay 165
Eulogies 167
Reports 176
Records 182
Circulars 187
Announcements 188