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研究内容	・光と分子状酸素を用いる酸化的有機合成反応の開発
業績	<p>著書・論文</p> <ul style="list-style-type: none"> ・Molecular-iodine-catalyzed aerobic oxidative synthesis of β-hydroxy sulfones from alkenes, RSC Adv., 4, 13191-13194, 2014. ・Oxidation reaction using light and molecular oxygen, Farumashia, 50, 517-521, 2014. ・Oxidation of Carbon-Halogen Bonds, Comprehensive Organic Synthesis, 2nd ed. Elsevier, pp.744-769, 2014. (分担執筆) ・Metal-Free Direct C-H Perfluoroalkylation of Arenes and Heteroarenes Using a Photoredox Organocatalyst, Adv. Synth. Catal., 355, 2203-2207, 2013. ・Molecular Iodine Catalyzed CDC Reaction between Two sp^3 C-H Bonds Using Hydrogen Peroxide, Org. Lett., 15, 574-577, 2013. ・Facile aerobic photooxidative oxylactonization of oxocarboxylic acids in fluoruous solvents, Green Chem., 14, 3007-3009, 2012. ・Facile aerobic photooxidation of methyl group in the aromatic nucleus in the presence of an organocatalyst under VIS irradiation, Green Chem., 13, 1669-1671, 2011. ・One-pot metal-free syntheses of acetophenones from styrenes through aerobic photo-oxidation and deiodination with iodine, Org. Lett., 13, 2576-2579, 2011. ・Tandem Oxidation/Rearrangement of β-Ketoesters to Tartronic Esters with Molecular Oxygen Catalyzed by Calcium Iodide under Visible Light Irradiation with Fluorescent Lamp, Org. Lett., 12, 1948-1951, 2010. <p>学内委員: 図書館委員会、広報委員会</p>