

Article

Multicolor Emission and Photophysical Properties of Proton-Responsive Cyclometallated Iridium(III) Complex in Transparent Cation-Exchange Membrane

Hajime Kamebuchi ^{1,*}, Yu Fujimura ², Taiho Yoshioka ³, Atsushi Okazawa ⁴, Makoto Tadokoro ³, and Norimichi Kojima ^{2,*}

¹ Department of Chemistry, College of Humanities and Sciences, Nihon University, Sakurajosui 3-25-40, Setagaya-ku, Tokyo 156-8550, Japan

² Graduate School of Arts and Sciences, The University of Tokyo, Komaba 3-8-1, Meguro-ku, Tokyo 153-8902, Japan; yu.f.1029@gmail.com

³ Department of Chemistry, Faculty of Science, Tokyo University of Science, Kagurazaka 1-3, Shinjuku-ku, Tokyo 162-8601, Japan; j1311136@gmail.com (T.Y.); tadokoro@rs.kagu.tus.ac.jp (M.T.)

⁴ Division of Chemistry, Institute of Liberal Education, Nihon University School of Medicine, Oyaguchi Kamimachi 30-1, Itabashi-ku, Tokyo 173-8610, Japan;

* Correspondence: hkame@chs.nihon-u.ac.jp (H.K.); cnori-kojima@g.ecc.u-tokyo.ac.jp (N.K.)

Supplementary:

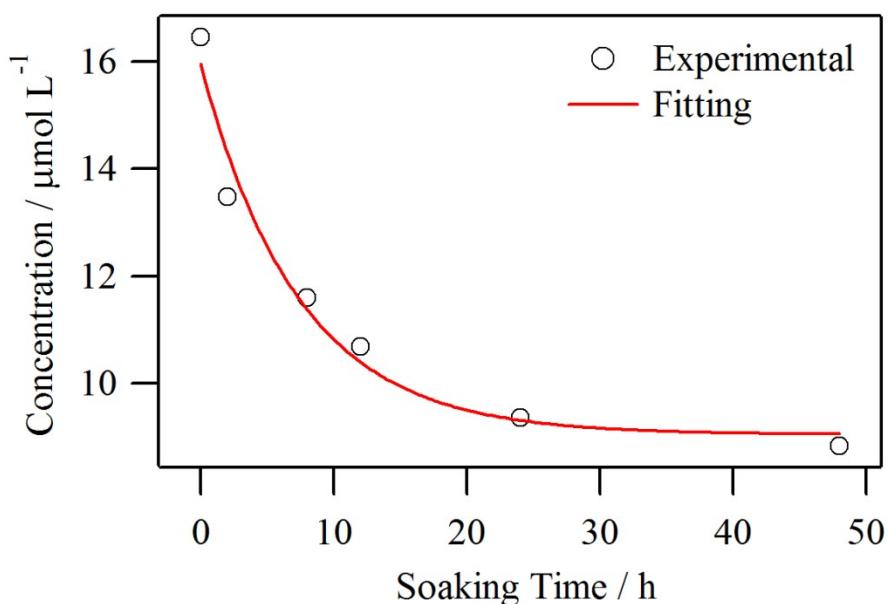


Figure S1. Monoexponential fit on the decreasing process of solution concentration of **1**.

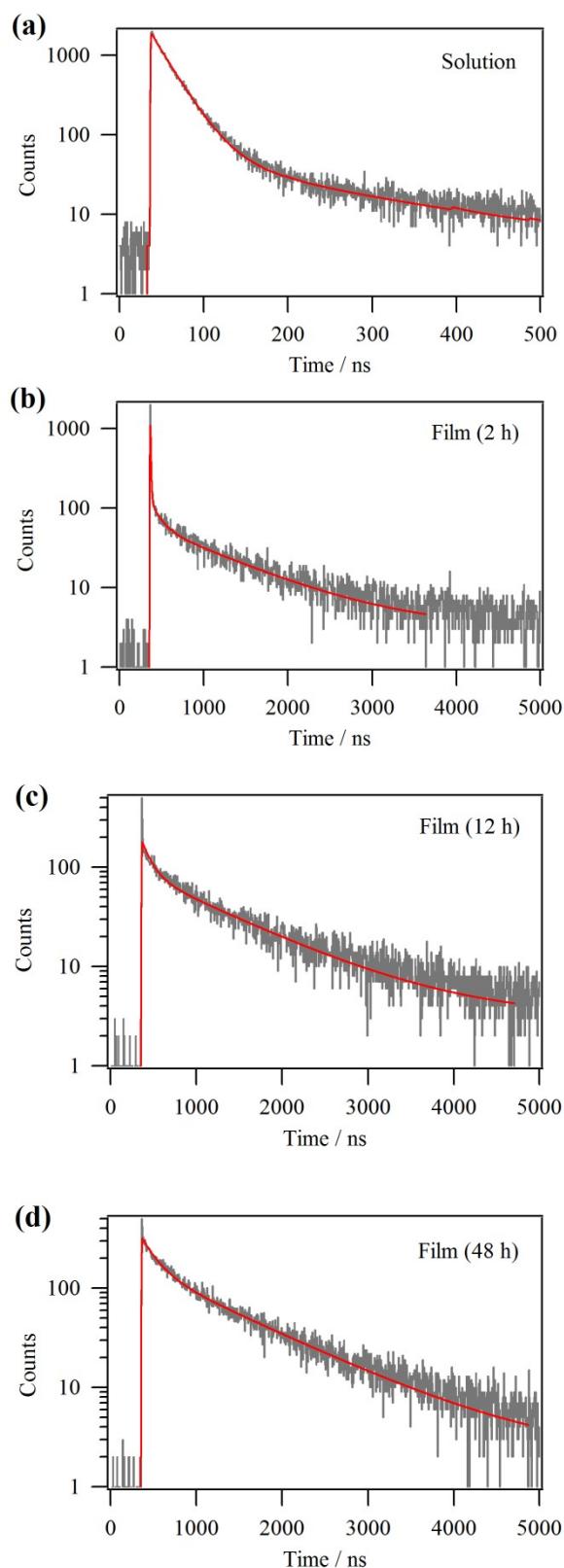


Figure S2. Emission decay curves of (a) the solution and the films at (b) 2 h, (c) 12 h and (d) 48 h.