

Acknowledgement

This investigation has been carried out under the direction of Prof. Dr. J. Mizuguchi at Yokohama National University from 2001 to 2005. The present research was initiated in 2001 as a “week-end project” on the private basis in the Mizuguchi’s laboratory with the courtesy of Prof. Mizuguchi. The “week-end project” project means that the author involved himself in another task on weekdays at Sony Corporation, to which he belonged. In parallel, he worked for the project of H₂ gas sensors on week ends at the University. After he had a promising result, he left Sony Corporation in 2004 and joined Toyo Ink MFG Co. Ltd. for the sake of full time job. The author expresses his sincere thanks to Prof. Mizuguchi for giving him an opportunity to engage in the sensor project, as well as the generous and continuous encouragement throughout the course of this work. Thanks are also due to Dr. S. Suzuki, former President of Toyo Ink Engineering Co. Ltd. and also to Mr. I. Suzuki at Toyo Ink MFG Co. Ltd. for the preparation of various pyrrolopyrrole derivatives and stimulative discussions.