

Extrinsic Electronic Structures of Organic Semiconductors Studied by Low Energy UPS and PYS

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一、研究領域簡介



Hisao Ishii was born in Hyogo, Japan, in 1962. He received his M.S. and Ph. D. degrees in chemistry from the University of Tokyo, in 1988 and 1991, respectively. In 1991, he joined the Solid State Chemistry Laboratory of prof. Kazuhiko Seki, Nagoya University, Nagoya, Japan as assistant professor. He has investigated on the interfacial electronic structures of organic semiconductors by using UV photoemission and related methods for ten years at Nagoya University. He worked also for Institute for Molecular Science, Okazaki, Japan (1995-1997) and Center for Advanced Microstructures & Devices (CAMD) of Louisiana State University, Baton Rouge, USA (1997-1998). In 2002, he moved to Research Institute of Electrical Communication, Tohoku University, Sendai, Japan, as associate professor. He worked with prof. Michio Niwano to investigate the device physics of organic light emitting diodes and transistors by developing novel techniques of displacement current measurements and photoelectron yield spectroscopy in both vacuum and air. In 2006, he promoted as full professor of Center for Frontier Science, Chiba University, Chiba, Japan. He is also a professor of Department of Nanoscience, Graduate School of Advanced Integration Science, Chiba University. His current research target is the integration of his previous two research subjects for electronic structures and electric properties of organic devices in order to understand the device physics of organic semiconductors.

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