Dr. Yutaka Wakayama

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Biograph

Yutaka Wakayama served at Asahi Glass Company as a research engineer from 1989 to 1994 and a research member at ERATO Project from 1994 to 1998. He received his Ph. D. from the University of Tsukuba in 1998. After working as a post-doctoral fellow at the Max-Planck Institute for Microstructure Physics (Germany) from 1998 to 1999, he joined the National Institute for Materials Science (NIMS). Now, he is working as a leader of semiconductor functional device group in the Research Center for Materials Nanoarchitectonics of NIMS. His current research interests are functional nanoelectronics using organic molecules and 2D materials.

Research Interests

Fundamental studies on organic semiconductors and two-dimensional atomic layers, and their application to optoelectronic devices: CVD growth of 2D materials, carrier transport through 2D and molecular thin films, molecular quantum dot for single-electron devices, and multi-functional 2D- and organic field-effect transistors.