



Professor, Dean

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Background

2004 Professor in Materials Science, Shimane University

1994 Associate Professor in Physics, Shimane University

1987 Assistant professor in Physics, Shimane University

1985 Post-doctoral research associate in Chemistry, Houston University

1985 Graduated doctoral-degree course in Physics, Kyoto University

Research

Optoelectronic devices based on organic semiconductors, especially organic solar cells.

Key papers

1. Y. Yoshida, S. Tanaka, Y. Fujita, I. Hiromitsu, "Organic thin-film solar cells with a Cu anode: Improvement of the photovoltaic properties on aging in air", *Journal of Applied Physics*, 106, (2009) 064510-1-8.
2. S. Tanaka, T. Hanada, K. Ono, K. Watanabe, K. Yoshino, I. Hiromitsu: "Improvement of power conversion efficiency on phthalocyanine/C₆₀ heterojunction solar cells by inserting a lithium phthalocyanine layer at the indium-tin oxide/phthalocyanine interface", *Applied Physics Letters*, 97, (2010) 253306-1-3.
3. I. Hiromitsu, A. Kawami, S. Tanaka, S. Morito, R. Sasai, T. Ikeue, Y. Fujita, M. Handa: "Luminescence of tetraphenylporphyrin by an energy transfer from photoexcited ZnO nanoparticle", *Chemical Physics Letters*, 501, (2011) 385-389.
4. T. Nishimura, T. Furuyama, M. Miyazaki, S. Tanaka, I. Hiromitsu: "Electroabsorption under white light illumination to investigate the internal electric field of the organic thin-film solar cells under operation", *Applied Physics Letters*, 103, (2013) 223306-1-4.