

2. Awards

Inoue Research Award for Young Scientists

ABE Hitoshi (KEK-PF)

“Magnetic Anisotropies of Magnetic Thin Films Studied by Depth-Resolved XMCD” [1-4]

The main part of this work was carried out at BL-7A and 11A.

The Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology, Prize for Science and Technology, Research Category

TOMITA Kozo (AIST)

“Structure Study on Dynamic Molecular Mechanism of Enzymatic Reactions” [5-9]

The main part of this work was carried out at BL-17A, 5A, NW12A.

Award of the Crystallographic Society of Japan, Research Award

OZEKI Tomoji (Tokyo Inst. of Tech.)

“Crystallographic Studies on the Mechanisms of the Cluster Formations and Higher Order Structure Constructions of Mixed-Valence Polyoxometalates” [10]

The main part of this work was carried out at NW2A.

Young Scientist Award, the Protein Science Society of Japan

AKAI Yusuke (AIST)

“Structure and Function of the Histone Chaperone CIA-bromodomain Complex” [11]

The main part of this work was carried out at BL-5A, NW12A.

The 25th Selected Lectures by Young Chemists, the Chemical Society of Japan

YOSHIKAWA Hirofumi (Nagoya Univ.)

“Development of Novel Rechargeable Batteries using Polynuclear Metal Complexes and their Elucidation of Reaction Mechanisms” [12-15]

The main part of this work was carried out at BL-12C and NW10A.

Best Presentation Award for Young Researchers in The 8th annual Meeting of Society of Nano Science and Technology

KAWASAKI Naoya, HAMANAKA Shun, WANG Heng, YOSHIKAWA Hirofumi, AWAGA Kunio (Nagoya Univ) and YOKOYAMA Toshihiko (IMS).

“Nanohybridization of Molecular Clusters and SWNTs: Their Applications to Cathode Materials” [12]

The main part of this work was carried out at BL-12C and NW10A.

Sangyo Times, Inc. Award in The 8th annual Meeting of Society of Nano Science and Technology

YOSHIKAWA Hirofumi, WANG Heng, HAMANAKA Shun, AWAGA Kunio (Nagoya Univ.) and YOKOYAMA Toshihiko (IMS)

“Development of Novel Rechargeable Batteries Based on Unusual Redox Reactions of Molecular Clusters: in situ XAFS Studies on their Battery Reaction Mechanism” [13-15]

The main part of this work was carried out at BL-12C and NW10A.

Student Best Poster Award in The 12th International Conference on Molecule-Based Magnets (ICMM12)

YOSHIKAWA Hirofumi, WANG Heng, HAMANAKA Shun, AWAGA Kunio (Nagoya Univ.) and YOKOYAMA Toshihiko (IMS)

“In Situ XAFS Studies of Mn₁₂ Molecular Cluster Batteries” [13]

The main part of this work was carried out at BL-12C and NW10A.

Young Scientist Award of the Physical Society of Japan

WAKABAYASHI Yusuke (Osaka Univ.)

“Structural Materials Science Study of Low-Dimensional Systems” [16,17]

The main part of this work was carried out at BL-9A and 11B.

Best Poster Prize : Gordon Research Conference on Electron Density and Chemical Bonding (2010)

SUZUKI Kosuke (Gunma Univ.)

“Magnetic Diffraction of Ferromagnets of d- and f-Electrons and the Density Distribution of Spin and Orbital Magnetic Moments due to these Electrons” [18, 19]

The main part of this work was carried out at BL-3C.

Award of the Outstanding Reviews Published in the JCSJ in 2009

ISHIZAWA Nobuo, TATEISHI Kenji (Nagoya Inst. of Tech.)

“Diffusion of Li Atoms in LiMn_2O_4 - A Structural Point of View -” [20]

The main part of this work was carried out at BL-14A.

Young Scientist Award of the Physical Society of Japan

YOSHIDA Teppei (The Univ. of Tokyo)

“Universal Versus Material-Dependent Two-Gap Behaviors of the High-Tc Cuprate Superconductors: Angle-Resolved Photoemission Study of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ ” [21]

The main part of this work was carried out at BL- 28A.

60th Denver X-ray Conference: Poster Award

UEMURA Yohei *et al.* (KEK-PF)

“Time Resolved in situ QXAFS and DXAFS Studies on the Formation and Oxidation Mechanisms of Palladium-Zinc Bimetallic Nanoparticles”

The main part of this work was carried out at AR-NW2A and NW10A.

The 23rd Annual Meeting of the Society for DV- X_α Japan: The 8th Poster Award

KOSWATTAGE Kaveenga Rasika (JAEA)

“Site-Selective Adsorption of Atomic Deuterium on a Hexagonal Boron Nitride (h-BN) Thin Film” [22]

The main part of this work was carried out at BL-11A and 13C.

The 7th EZAKI LEONA Award

FUJITA Makoto (The Univ. of Tokyo)

“Pioneering the use of Self-Assembly to Engineer the Nanoscopic Structure of Matter” [23]

The main part of this work was carried out at AR-NW2A.

Inoue Prize for Science

NUREKI Osamu (Yokohama Natl. Univ.)

“Mechanisms of Genetic Code Translation and Protein Biosynthesis”

The 4th JSSR Scientific Award

FUKUDA Katsutoshi (Shinshu Univ.)

“Structure Analysis of Exfoliated Nanosheet Crystallites via Total Reflection X-ray Analyses using Synchrotron Source” [24, 25]

The main part of this work was carried out at BL-6C.

Young Scientist Award of Japan Society of High Pressure Science and Technology

NISHIHARA Yu (Ehime Univ.)

“Experimental Studies on Rheology and Elasticity of the Earth’s Deep Mantle”

The main part of this work was carried out at BL-14C and NE7A.

The International Chemical Congress of Pacific Basin Societies: Poster Award

KAZAMA Misato (Chiba Univ.)

“Application of Photoelectron Diffraction Theory to Ultrafast Molecular Dynamics” [26, 27]

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 [2] *e-J. Surf. Sci. Nanotech.*, **6** (2008) 233.
 [3] *J. Phys.: Conf. Ser.* **190** (2009) 012109.
 [4] *Hyomen Kagaku* **30** (2009) 339.
 [5] *EMBO J.*, **28** (2009) 3353.
 [6] *EMBO J.*, **27** (2008) 1944.
 [7] *Nature*, **449** (2007) 867.
 [8] *EMBO J.*, **25** (2006) 5942.
 [9] *Nature*, **443** (2006) 956.
 [10] *J. Am. Chem. Soc.*, **130** (2008) 10588.
 [11] *Acad. Sci. USA*, **107** (2010) 8153.
 [12] *Angew. Chem. Int. Ed.*, **50** (2011) 3471.
 [13] *Chem. Asian J.*, **6** (2011) 1074.

- [14] *Inorg. Chem.*, **48** (2009) 9057.
[15] *Chem. Commun.*, (2007) 3169.
[16] *Phys. Rev. Lett.*, **104** (2010) 066103.
[17] *J. Am. Chem. Soc.*, **128** (2006) 6676.
[18] *e-J. Surf. Sci. Nanotech.*, **9** (2011) 134.
[19] *Key Engineering Mater.*, **459** (2011) 7.
[20] *J. Ceramic Soc. of Jpn.*, **117** (2009) 6.
[21] *Phys. Rev. Lett.*, **103** (2009) 037004.
[22] *Bulletin of the Soc. for Discrete Variational X α* , **23** (2010) 205.
[23] *Science*, **328** (2010) 1144.
[24] *Inorg. Chem.*, **49** (2010) 4391.
[25] *ACS Nano*, **2** (2008) 1689.
[26] *J. Phys.: Conf. Ser.*, **190** (2009) 012048.
[27] *Chem. Phys.*, **373** (2010) 261.