

Publication List of Prof. Akira Sekiyama (as of 26 December, 2019)

Papers (referred and written in English)

1. S. Hamamoto, Y. Kanai-Nakata, H. Fujiwara, K. Kuga, T. Kiss, A. Higashiya, A. Yamasaki, S. Imada, A. Tanaka, K. Tamasaku, M. Yabashi, T. Ishikawa, H. Hidaka, T. Yanagisawa, H. Amitsuka and **A. Sekiyama**, "Linearly Polarized Hard X-Ray Photoemission Spectroscopy of PrBe₁₃", JPS Conf. Proc. **in press**.
2. K. Yamagami, K. Yamanaka, T. Yaji, A. Tanaka, S. Imada, M. Kouno, N. Yoshinari, T. Konno and **A. Sekiyama**, "Local 3d electronic states of sulfur-coordinating Ni complexes probed by soft X-ray absorption spectroscopy", JPS Conf. Proc. **in press**.
3. K. Nakagawa, H. Fujiwara, S. Hamamoto, S. Miyazaki, Y. Nakatani, K. Kuga, A. Higashiya, T. Kadono, K. Tamasaku, M. Yabashi, T. Ishikawa, T. Muro, S. Imada, **A. Sekiyama**, K. Takase, H. Kobori, and A. Yamasaki, "Observation of Electronic Structures in Sr-Based Iridates by Bulk-Sensitive Photoemission Spectroscopy", JPS Conf. Proc. **in press**.
4. S. Hamamoto, S. Fujioka, Y. Kanai-Nakata, K. Yamagami, K. Kuga, H. Fujiwara, T. Kiss, H. S. Suzuki, A. Higashiya, A. Yamasaki, S. Imada, A. Tanaka, Y. Takeda, Y. Saitoh, K. Tamasaku, M. Yabashi, T. Ishikawa and **A. Sekiyama**, "Local 4f Electronic Structure in PrAg₂In Studied by Polarized X-Ray Absorption and Photoemission Spectroscopy", JPS Conf. Proc. **in press**.
5. H. Fujiwara, Y. Kondo, S. Hamamoto, Y. Kanai-Nakata, K. Kuga, A. Yamasaki, A. Higashiya, T. Kadono, S. Imada, T. Kiss, A. Tanaka, K. Tamasaku, M. Yabashi, T. Ishikawa, T. Ebihara and **A. Sekiyama**, "Ground State Local 4f Symmetry of CeAgSb₂ Probed by Linearly Polarized Hard X-ray Photoemission", JPS Conf. Proc. **in press**.
6. K. Kuga, Y. Kanai, H. Fujiwara, K. Yamagami, S. Hamamoto, Y. Aoyama, **A. Sekiyama**, A. Higashiya, T. Kadono, S. Imada, A. Yamasaki, K. Tamasaku, M. Yabashi, T. Ishikawa, S. Nakatsuji and T. Kiss, "Linear polarization-dependent core-level photoemission spectroscopy in Yb-based valence fluctuating system", J. Electron Spectrosc. Relat. Phenom. **238**, 146889-1-4 (2020).
7. S. Hamamoto, Y. Kanai, S. Fujioka, Y. Nakatani, H. Fujiwara, K. Kuga, T. Kiss, A. Higashiya, A. Yamasaki, S. Imada, A. Tanaka, K. Tamasaku, M. Yabashi, T. Ishikawa, H. Hidaka, T. Yanagisawa, H. Amitsuka, K.T. Matsumoto, T. Onimaru, T. Takabatake and **A. Sekiyama**, "Observation of the 4f ground-state symmetry in strongly correlated cubic Pr compounds probed by linearly polarized 3d core-level photoemission spectroscopy", J. Electron Spectrosc. Relat. Phenom. **238**, 146885-1-4 (2020).
8. K. Yamagami, S. Imada, K. Yamanaka, T. Yaji, A. Tanaka, M. Kouno, N. Yoshinari, T. Konno and **A. Sekiyama**, "The Prominent Charge-Transfer Effects of Trinuclear Complexes with Nominally High Nickel Valences", J. Phys. Commun. **3**, 125008-1-9 (2019).
9. K. Kuga, Y. Kanai, H. Fujiwara, K. Yamagami, S. Hamamoto, Y. Aoyama, **A. Sekiyama**, A. Higashiya, T. Kadono, S. Imada, A. Yamasaki, A. Tanaka, K. Tamasaku, M. Yabashi, T. Ishikawa, S. Nakatsuji and T. Kiss, "Effect of Anisotropic Hybridization in YbAlB₄ Probed by Linear Dichroism in Core-Level Hard X-ray Photoemission Spectroscopy", Phys. Rev. Lett. **123**, 036404-1-5 (2019).
10. R. Y. Umetsu, H. Fujiwara, K. Nagai, Y. Nakatani, M. Kawada, **A. Sekiyama**, F. Kuroda, H. Fujii, T. Oguchi, Y. Harada, J. Miyawaki and S. Suga, "Half-metallicity of the ferrimagnet Mn₂VAl revealed by resonant inelastic soft x-ray scattering in a magnetic field", Phys. Rev. B **99**, 134414-1-10 (2019).
11. **A. Sekiyama**, Y. Kanai, A. Tanaka and S. Imada, "Optical Process of Linear Dichroism in Angle-Resolved Core-Level Photoemission Reflecting Strongly Correlated Anisotropic Orbital Symmetry", J. Phys. Soc. Jpn. **88**, 013706-1-4 (2019).
12. H. Aratani, Y. Nakatani, H. Fujiwara, M. Kawada, Y. Kanai, K. Yamagami, S. Fujioka, S. Hamamoto, K. Kuga, T. Kiss, A. Yamasaki, A. Higashiya, T. Kadono, S. Imada, A. Tanaka, K. Tamasaku, M. Yabashi, T. Ishikawa, A. Yasui, Y. Saitoh, Y. Narumi, K. Kindo, T. Ebihara and **A. Sekiyama**, "Revising the 4f symmetry in CeCu₂Ge₂: Soft x-ray absorption and hard x-ray photoemission spectroscopy", Phys. Rev. B **98**, 121113(R)-1-6 (2018).
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14. Y. Nakatani, H. Aratani, H. Fujiwara, T. Mori, A. Tsuruta, S. Tachibana, T. Yamaguchi, T. Kiss, A. Yamasaki, A. Yasui, H. Yamagami, J. Miyawaki, T. Ebihara, Y. Saitoh and **A. Sekiyama**, "Evidence for momentum-dependent heavy-fermionic electronic structures: Soft x-ray ARPES for the superconductor $CeNi_2Ge_2$ in the normal state", *Phys. Rev. B* **97**, 115160-1-7 (2018).
 15. A. A. Abozeed, T. Kadono, **A. Sekiyama**, H. Fujiwara, A. Higashiya, A. Yamasaki, Y. Kanai, K. Yamagami, K. Tamasaku, M. Yabashi, T. Ishikawa, A. V. Andreev, H. Wada and S. Imada, "Rare-Earth Fourth-Order Multipole Moment in Cubic $ErCo_2$ Probed by Linear Dichroism in Core-Level Photoemission", *J. Phys. Soc. Jpn.* **87**, 033710-1-5 (2018).
 16. K. Nagai, H. Fujiwara, H. Aratani, S. Fujioka, H. Yomosa, Y. Nakatani, T. Kiss, **A. Sekiyama**, F. Kuroda, H. Fujii, T. Oguchi, A. Tanaka, J. Miyawaki, Y. Harada, Y. Takeda, Y. Saitoh, S. Suga and R. Y. Umetsu, "Electronic structure and magnetic properties of the half-metallic ferrimagnet Mn_2VAl probed by soft x-ray spectroscopies", *Phys. Rev. B* **97**, 035143-1-8 (2018).
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 19. Y. Kanai, T. Mori, S. Naimen, K. Yamagami, S. Kitayama, H. Fujiwara, A. Higashiya, T. Kadono, S. Imada, T. Kiss, A. Tanaka, T. Muro, K. Tamasaku, M. Yabashi, T. Ishikawa, F. Iga, T. Ebihara, F. Honda, Y. Onuki and **A. Sekiyama**, "Linear dichroism in 3d core-level and 4f valence-band photoemission spectra of strongly correlated rare-earth compounds", *J. Electron Spectrosc. Relat. Phenom.* **220**, 61-65 (2017).
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