Poster Session

P1	One-Dimensional Wolter Mirror for Achromatic Hard X-ray microscopy	S. Matsuyama, N. Kidani, T. Wakioka, H. Mimura and K. Yamauchi	*Osaka University*
P2	Development of Advanced Kirkpatrick-Baez Mirror for Achromatic hard X-ray Microscopy	N. Kidani, S. Matsuyama, T. Wakioka, S. Kitamura, H. Mimura and K. Yamauchi	*Osaka University*
P3	Fabrication of Ultraprecision Millimeter-thick Neutron Focusing Supermirror by Numerically Controlled Local Wet Etching and Low-pressure Polishing	F. Yamaga[1], M. Nagano[1], K. Yamasaki[1], N. Zettsu[1], D. Yamazaki[2], R. Maruyama[2], K. Soyama[2] and K. Yamamura[1]	[1]*Osaka University* [2]*JAEA*
P4	Advancement on Reproduction of *Morpho*-Butterfly's color - Fabrication and Simulation Analysis-	A. Saito[1,2,3], J. Murase[1], M. Yonezawa[1], M. Akai-Kasaya[1], and Y. Kuwahara[1]	[1]*Osaka University* [2]*SPring-8/RIKEN* [3]*JST/PRESTO*
P5	Excitation, Propagation, and Focusing of Surface Plasmon Polaritons via A Pair of Subwavelength Holes through Silver Thin Film	Y. Oshikane, M. Nakano, and H. Inoue	*Osaka University*
P6	Development of Side-By-Side Kirkpatrick-Baez Mirror for High-Density X-ray Nanobeam	T. Wakioka, S. Matsuyama, N. Kidani, H. Mimura, Y. Sano, and K. Yamauchi	*Osaka University*
P7	Figuring of Damage-Free Cylindrical Silicon Crystal Substrate for a Focusing X-ray Spectrometer by Plasma Chemical Vaporization Machining	M. Hosoda[1], M. Nagano[1], N. Zettsu[1], S. Shimada[2], K. Taniguchi[3] and K. Yamamura[1]	[1]*Osaka University* [2]*Osaka Electro -Communication University* [3]*Techno-X Co., Ltd.*
P8	Ray-tracing Analysis of a Graded Multilayner Mirror	H. Yokoyama, N. Mimura, T. Kimura, S. Imai, S. Matsuyama Y. Sano and K. Yamauchi	*Osaka University*
P9	Nano-scale Elemental Analysis using SR-STM -Evaluation of Elemental Contrast for Adsorbed Nano-Structures on the Semiconductor Surface-	H. Notsu[1,2], A. Saito[1,2,3], G. Ohzeki[1,2], T. Tanaka[1,2], Y. Takagi[2,4], Y. Tanaka[2] H. Matsuno[1,2], Y. Kohmura[2], M. Akai-Kasaya[1], T. Ishikawa[2] Y. Kuwahara[1,2] and M. Aono[5]	[1]*Osaka University* [2]*SPring-8/RIKEN* [3]*JST/PRESTO* [4]*Inst. for Molecular Science* [5]*NIMS*
P10	Phase-Shifting Point Diffraction Interferometer with Spherical Reference Wavefronts Generated by Two Optical Fibers	N. Ogawa, Y. Oshikane, H. Inoue and M. Nakano	*Osaka University*
P11	Fabrication of High-Precision Elliptical Neutron Focusing Supermirror with Large Clear Aperture	M. Nagano[1], F. Yamaga[1,] N. Zettsu[1], D. Yamazaki[2], R. Maruyama[2], K. Soyama[2], and K. Yamamura[1]	[1]*Osaka University* [2]*JAEA*
P12	Fabrication of Metallodielectric Plasmonic Nanoshell Arrays for A Label-Free Immunoassay Based on NIR-light Responsive LSPR	S. Uchida, K. Yamamura and N. Zettsu	*Osaka University*
P13	Development of High-resolution X-ray Diffraction Microscopy using Kirkpatrick and Baez Mirrors	R. Tsutsumi[1], Y. Takahashi[1], N. Zettsu[1], A. Suzuki[1], Y. Nishino[2], E. Matsubara[3], T. Ishikawa[4]and K. Yamauchi[1]	[1]*Osaka University* [2]*Hokkaido University* [3]*Kyoto University* [4]*SPring-8/RIKEN*
P14	Development of Wavefront Measurement Method for Hard X-ray Adaptive Optics System	T. Kimura[1], S. Handa[1], H. Mimura[1], H. Yumoto[2], H. Yokoyama[1], Y. Sano[1], K. Tamasaku[1,3], Y. Nishino[3] M. Yabashi[2], T. Ishikawa[2,3] and K. Yamauchi[1]	[1]*Osaka University* [2]*SPring-8/JASRI* [3]*SPring-8/RIKEN*
P15	Sensing of DNA Solution by Silicon-Oxide-Gap-Oxide-Silicon Structure	T. Kamiya, R. Yamada, J. Uchikoshi, K. Arima and M. Morita	*Osaka University*
P16	Electrical Characterization of DNA Solutions Using Metal-Gap-Insulator-Semiconductor Devices	T. Hirokane, Y. Doi, T. Furukawa, J. Uchikoshi, K. Arima, and M. Morita	*Osaka University*
P17	First-principle Analysis Silicon Etching by Hydrogen Radical -Diffusion of Absorbed Hydrogen Atom on Si(001) 2x1 Surface-	K. Inagaki, K. Hirose, Y. Morikawa and K. Yasutake	*Osaka University*
P18	Electroluminescence in Metal-Oxide-Semiconductor Tunnel Diodes on Ultrathin Silicon-on-Insulator Substrates	K. Matsumura, A. Tsuchida, R. Yamada, Y. Oshikane, J. Uchikoshi, K. Arima and M. Morita	*Osaka University*