

List of Publications

Journals

Accelerator

H. Tanaka, A. Ando

“Minimum effective emittance in synchrotron radiation sources composed of modified Chasman Green lattice”

Nucl. Instr. and Meth. A **369** (1996) 312.

Y. Shoji, H. Tanaka, M. Takao, K. Soutome

“Longitudinal radiation excitation in an electron storage ring”

Phys. Rev. E **54** (5) (1996) R4556

M. Fujiwara, T. Hotta, T. Kinashi, K. Takanashi, Y. Ohashi, S. Daté, H. Ohkuma and N. Kumagai

“Physics with polarized photons at SPring-8”

Acta Phys. Pol. **B29** (1998) 141.

M. Hara, T. Ohshima, T. Nakamura

“A Ripple Effect of a Klystron power Supply on Synchrotron Oscillation”

Particle Accelerators **59** (1998) 143.

H. Tanaka

“Synchrotron Radiation. 1. Accelerators Operated as a Synchrotron Radiation Source”

Radioisotopes **47** (1998) 66 (in Japanese).

K. Watanabe, H. Saeki, M. Masaki, Y. Suzuki, Y. Taniuchi, T. Noda, M. Maeno, S. H. Be, H. Ohkuma

“Present Status of the Vacuum System of the SPring-8 Storage Ring -The beginning of the beam commissioning and the variation of the vacuum conditions-”

J. Vac. Soc. Jpn. **41**(3) (1998) 338 (in Japanese).

A. Ando, S. Daté, M. G. Fedurin, M. Hara, H. Kamitsubo, A. V. Kiselev, G. N. Kulipanov, N. Kumagai, N. A. Mezentsev, Y. Miyahara, T. Nakamura, H. Ohkuma, V. A. Shkaruba, A. N. Skrinsky, K. Soutome, M. Takao and H. Tanaka

“Proposal of a high-field superconducting wiggler for a slow positron source at SPring-8”

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S.-Y. Park, H. Shimizu, S. Adachi, Y. Shiro, T. Iizuka, A. Nakagawa, I. Tanaka, H. Shoun, H. Hori

“Crystallization, Preliminary Diffraction and Electron Paramagnetic Resonance Studies of Single Crystal of Cytochrome P450nor”

FEBS Lett. **412** (1997) 346.

T. Fujisawa, H. Kuwahara, Y. Hiromasa, T. Niidome, H. Aoyagi and T. Hatakeyama

“Small-angle X-ray scattering study on CEL-III, a hemolytic lectin from Holothuroidea Cucumria echinata, and its oligomer induced by the binding of specific carbohydrate.”

FEBS Lett. **414** (1997) 79.

T. Tanaka and H. Kitamura

“A Novel Insertion Device for Circularly Polarized Radiation”

J. Synchrotron Rad. **4** (1997) 193.

H. Sakae, H. Aoyagi, M. Oura, H. Kimura, T. Ohata, H. Shiwaku, S. Yamamoto, H. Sugiyama, K. Tanabe, K. Kobashi and H. Kitamura

“Diamond Beam-Position Monitor for Undulator Radiation and Tests at the TRISTAN Super Light Facility”

J. Synchrotron Rad. **4** (1997) 204.

A. Yokoya, T. Sekiguchi, Y. Saitoh, T. Okane, T. Nakatani, T. Shimada, H. Kobayashi, M. Takao, Y. Teraoka, Y. Hayashi, S. Sasaki, Y. Miyahara, T. Harami and T. A. Sasaki

“Soft X-ray beamline specialized for radioactive materials equipped with variably-polarizing undulator”

J. Synchrotron Rad. **5** (1998) 10.

H. Kamitsubo

“SPring-8 Program”

J. Synchrotron Rad. **5** (1998) 162.

H. Kitamura

“Present status of SPring-8 insertion devices.”

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- M. Yamamoto, T. Kumasaka, T. Fujisawa and T. Ueki
 “Trichromatic Concept at SPring-8 RIKEN Beamline I”
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- T. Hara, T. Tanaka, T. Tanabe, X. M. Maréchal, S. Okada and H. Kitamura
 “In-vacuum undulators of SPring-8.”
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- T. Hara, T. Tanaka, T. Tanabe, X. M. Maréchal, H. Kitamura, P. Elleaume, B. Morrison, J. Chavanne, P. Van Vaerenbergh and D. Schmidt
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 “Development of an in-vacuum minipole undulator.”
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- T. Tanaka, X. M. Maréchal, T. Hara, T. Tanabe and H. Kitamura
 “In-vacuum figure-8 undulator for hard X-rays with both horizontal and vertical polarization.”
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- T. Tanaka, X. M. Maréchal, T. Hara, T. Tanabe and H. Kitamura
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- T. Tanaka, X. M. Maréchal, T. Hara, T. Tanabe and H. Kitamura
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- T. Tanabe and H. Kitamura
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 “First results from the crystal structure analysis beamline at SPring-8”
 J. Synchrotron Rad. **5** (1998) 485.
- T. Kaneyoshi, T. Ishihara, H. Yoshioka, M. Motoyama, S. Fukushima, K. Hayashi, J. Kawai, K. Taniguchi, S. Hayakawa, Y. Gohshi
 “Material analysis end-station of the Hyogo-ken beamline at SPring-8”
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- K. Sakurai, S. Uehara, S. Goto
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- S. Takahashi, Y. Sakurai and H. Kitamura
 “Design of a pre-slit for SPring-8 undulator beamlines.”

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T. Kudo, H. Aoyagi, H. Shiwaku, Y. Sakurai and H. Kitamura

“Electronics for SPring-8 X-ray beam monitors.”

J. Synchrotron Rad. **5** (1998) 630.

S. Kikuta, Y. Imai, T. Iizuka, Y. Yoda, X.-W. Zhang, K. Hirano

“X-ray diffraction with a Bragg angle near $\pi/2$ and its applications”

J. Synchrotron Rad. **5** (1998) 670.

M. Takahashi and J. Mizuki

“An additional axis for the surface X-ray diffractometer”

J. Synchrotron Rad. **5** (1998) 893.

N. Sakai, H. Ohkubo, Y. Nakamura

“A 3T superconducting magnet for longrun magnetic Compton-scattering experiments”

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M. Oura, T. M. Kojima, Y. Awaya, Y. Itoh, K. Kawatsura, M. Kimura, T. Koizumi, T. Sekioka, H. Yamaoka and M. Cox

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“Present status and performance of SPring-8 front ends.”

J. Synchrotron Rad. **5** (1998) 1195.

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“Structural and Functional Characterization of Nitric Oxide Reductase”

J. Phys. IV France **7** (1997) C2-587.

E. Obayashi, K. Tsukamoto, S. Adachi, S. Takahashi, M. Nomura, T. Iizuka, H. Shoun, Y. Shiro

“Unique Binding of Nitric Oxide to Ferric Nitric Oxide Reductase from *Fusarium oxysporum* Elucidated with Infrared, Resonance Raman and X-ray Absorption Spectroscopies”

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“Atomic-Resolution X-ray Fluorescence Holography of Zn (0.02wt%) in a GaAs Wafer”

Analytical Sciences **14** (1998) 987.

K. Sakurai, L. Ortega

“X-ray diffraction /scattering technique using total-reflection and /or grazing incidence geometry”

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“Neutron and Synchrotron Radiation Studies of the Phase Transition of h-BaTiO₃”

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H. Maruyama

“Study of Magnetism by Synchrotron Radiation X-

Rays -Electronic States in $R_2Fe_{14}B$ Compounds-”

J. Magnetism Soc. Jpn **22** (11) (1998) 1369.

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“4d and 3d Resonant Photoemission of Ce Compounds and c-f Mixing”

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W. Utsumi, K. Funakoshi, S. Urakawa, M. Yamakata, K. Tsuji, H. Konishi, O. Shimomura

“SPRING-8 Beamlines for High Pressure Science with Multi-Anvil Apparatus”

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“Pressure-induced Metallization and Structural Transition of Rhombohedral Se”

Solid State Commun. **108** (9) (1998) 677.

H. Kawamura, M. Kobayashi, N. Matsui, Y. Akahama, I. Nakahata, I. Shirotani]

“Structural Studies of NbI_4 at High Pressures”

Solid State Commun. **108** (12) (1998) 919.

Y. Hiromasa, Y. Aso, K. Mayanagi, Y. Inoue, T. Fujisawa, K. Meno and T. Ueki

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M. Yamamoto, T. Kumasaka, T. Uruga, N. Kamiya, H. Iwasaki and T. Ueki

“Evaluation of high spatial resolution imaging plate”

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T. Tanabe, X. M. Maréchal, T. Tanaka, H. Kitamura, P. Stefan, S. Krinsky, G. Rakowsky and L. Solomon

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Rev. Sci. Instrum **69** (1998) 18.

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“Electronic Structure of Reaction Intermediate of Cytochrome P450nor in Its Nitric Oxide Reduction”

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N. Sakai

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K. Soutome, M. Takao and H. Tanaka, Y. Shoji
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Proc. of EPAC'98; Stockholm, June 22-26 (1998) 1008.

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