

## 外部投稿

### [ PET ]

#### **Failure in presumption of residual disease by quantification of FDG uptake in esophageal squamous cell carcinoma immediately after radiotherapy**

R.Nakamura, T.Obara, S.Katsuragawa, Y.Tamakawa, K.Koeda, K.Ikeda, N.Sato, K.Ishida, M.Shozushima

Radiation Medicine 20(4): 181-186, 2002

慢性脳虚血における脳酸素代謝量と benzodiazepine 結合能との比較： PET study

湯川宏胤、小笠原邦昭、安田 重、小林正和、紺野 広、小林哲人、笹生昌之、小川 彰、寺崎一典

東北脳 SPECT 研究会講演集 11: 57-59, 2002

### [ PIXE ]

#### **Analysis of trace level thorium and uranium in drainage from a radioisotope laboratory by particle-induced X-ray emission**

H.Yamazaki, K.Ishii, Y.Takahashi, S.Matsuyama, T.Satoh and H.Orihara

Journal of Nuclear Science and Technology, 2002

#### **Trace element analysis of the oral mucosa of 22 patients with oral lichen planus by the PIXE method**

Y.Sugiyama, S.Ishibashi, S.Sekiyama

Proceedings of the third International Symposium on Bio-PIXE, Mexico, April, 2002

#### **The trace elements in mandibles of *Coptotermes cormosanus***

N.Kagemori

Proceedings of the 14th International Congress of IUSSI, Sapporo, Jul.27-Aug.3, 2002

#### **Mercury contamination associated with small-scale gold mining in the upper Ambalanga River, Benquet, Philippines**

Maglambayan, V. B., Murao, S., Rytuba, J., Daisa, E., Sera, K., Futatsugawa, S. Jerome, T. and Corpus, C.

Proceedings of International Symposium Celebrating 55<sup>th</sup> Anniversary of the Geological Society of Korea, October, 2002

#### **PIXE analysis of hair in arsenic pollution, Bangladesh**

Habib, M., A., Miono, S., Sera, K. and Futatsugawa, S

Int'l Journal of PIXE Vol.12-1,2: 19-34, 2002

#### **Influence of aluminum on elemental contents in white roots of *Chamaecyparis obtusa* Sieb. and *Quercus serrata* Thunb.**

Tomioka, R., Takenaka, C., Saitoh, K. and Sera, K.

Int'l Journal of PIXE Vol.12-1,2: 35-40, 2002

#### **Trace element concentration of leaf and ash from a waste pond at Fankou mine, China**

Murao, S., Sera, K., Futatsugawa, S., Chen, B. and Sun, X.

Int'l Journal of PIXE Vol.12-1,2: 53-60, 2002

#### **Trace element analysis of tailings from an indigenous mining community, Benguet, Philippines**

Murao, S., Futatsugawa, S., Sera, K. and Maglambayan, V. B.

Int'l Journal of PIXE Vol.12-1,2: 61-69, 2002

#### **Analysis of liquid waste using PIXE**

Futatsugawa, S., Hatakeyama, S., Saitoh, Y., Matsushita, M., Inoue, H. and Sera, K.

Int'l Journal of PIXE Vol.12-3,4: 85-91, 2002

#### **Quantitative analysis of untreated human nails for monitoring human exposure to heavy metals**

Sera, K., Futatsugawa, S., Miura, Y., Murao, S. and Clemente, E.

Int'l Journal of PIXE Vol.12-3,4: 125-136, 2002

#### **The role of PIXE in environmental monitoring and education of small-scale mining of gold**

Murao, S., Sera, K., Maglambayan, V.B., Daisa, E., Futatsugawa, S., Yukawa, M., Takeda, S., and Imaseki, H.

Int'l Journal of PIXE Vol.12-3,4: 175-180, 2002

#### **PIXE elemental analysis of drinking water supplies**

Yamazaki, H., Ishii, K., Takahashi, Y., Amartaivan, Ts., Matsuyama, S., Satoh, T., Sugihara, S., Sera, K. and Jon, G.C.

Int'l Journal of PIXE Vol.12-3,4: 209-216, 2002

#### **Trace elements in renal disease and hemodialysis**

Yoshinori Miura, Keiko Nakai, Akira Suwabe, Koichiro Sera,,

Nuclear Inst. and Methods in Physics Research B, 189: 443-449, 2002

#### **Trace elements in termites by PIXE analysis**

Yoshimura, T., Kagemori, N., Kawai, S., Sera, K. and Futatsugawa, S.

Nuclear Instruments and Methods in Physics Research B, 189: 450-453, 2002

#### **Determination of elemental and ionic compositions for diesel exhaust particles (DEP)**

K.Saitoh, K.Sera, T.Shirai, T.Sato and M.Odaka

Analytical Sciences Vol.19: 525-528, 2002

#### **Chemical characterization of particles in winter-night smog in Tokyo**

Saitoh, K., Sera, K. Hirano, K., and Shirai, T.

Atmospheric Environment Vol.36: 435-440, 2002

#### **秋田八幡平における降水及び霧水中の化学組成と後方流跡線の関係**

菊地良栄、預幡哲也、岡村朋子、岩田吉弘、尾関徹、世良耕一郎、梶川正弘、小川信明

## [その他]

**[<sup>18</sup>F] Fluoromethyl triflate: a novel and reactive [<sup>18</sup>F] fluoromethylating agent: preparation and application to the on-column preparation of [<sup>18</sup>F] fluorochpline**

Iwata, R., Pascali, C., Bogni, A., Flumoto, S., Terasaki, K. and Yanai, K.

Appl. Radiat. Isot. 57: 347-352, 2002

ラジオアイソトープを用いたイヌ、ネコ、ウマなどの診断と治療 - 日本での獣医核医学実現に向けて -

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