

氏名	所属	職名	取得学位	専門分野	主な論文・著作・業績
佐藤 英一	物理学科	教授	博士（工学）	放射線科学	<p>①Sato E., Osawa A., Matsukiyo H., Enomoto T., Watanabe M., Abderyim P., Takahashi K., Sato S., Ogawa A. and Onagawa, J.: Embossed radiography utilizing an image-shifting subtraction program/ Nucl. Instr. Meth. Phys. Res. A, 619: 133-139 (2010)</p> <p>②Sato, E., Abderyim, P., Osawa, A., Matsukiyo, H., Enomoto, T., Watanabe, M., Hitomi, K., Takahashi, K., Sato, S., Ogawa, A. and Onagawa, J.: Energy-discrimination X-ray computed tomography system utilizing a cadmium telluride detector/ Nucl. Instr. Meth. Phys. Res. A, 619: 262-265 (2010)</p> <p>③Sato, E., Sato, Y., Ehara, S., Abudurexiti, A., Hagiwara, O., Matsukiyo, H., Osawa, A., Enomoto, T., Watanabe, M., Nagao, J., Sato, S., Ogawa, A. and J. Onagawa: First demonstration of iodine mapping in nonliving phantoms using an X-ray fluorescence computed tomography system with a cadmium telluride detector and a tungsten-target tube/ Nucl. Instr. Meth. A, 638: 187-191 (2011)</p> <p>④Osawa, A., Sato, E., Oda, Y., Abudurexiti, A., Abderyim, P., Hagiwara, O., Matsukiyo, H., Enomoto, T., Watanabe, M., Nagao, J., Sato, S., Ogawa, A., Onagawa, J.: Monochromatic flash embossed radiography using clean K photons from a spherical-plasma target/ Nucl. Instr. Meth. A, 635: 131-136 (2011)</p> <p>⑤Matsukiyo, H., Sato, E., Hagiwara, O., Abudurexiti, A., Osawa, A., Enomoto, T., Watanabe, M., Nagao, J., Sato, S., Ogawa, A., Onagawa J.: Application of an oscillation-type linear cadmium telluride detector to enhanced gadolinium K-edge computed tomography/ Nucl. Instr. Meth. A, 632: 142-146 (2011)</p>
小松真	物理学科	講師	博士（工学）	人間医工学・電気電子工学・流体力学	<p>①Hirano T, Komatsu M, Uenohara H, Takahashi A, Takayama K, Yoshimoto T., A Novel Method of Drug Delivery for Fibrinolysis with Ho:YAG Laser-Induced Liquid Jet., Lasers Med. Sci.; 17, 165-172, 2002</p> <p>②M. Komatsu, K. Takayama, K. Ohtani, T. Saito, “ Effect of debris fragments on direct initiation of spherical detonation waves in stoichiometric oxygen/hydrogen mixtures”, Proceedings of the Combustion Institute, Volume 31 Issue 2, 2437-2443, 2006.</p> <p>③Makoto Komatsu, Eiichi Sato: Dissection of polyacrylamide gel with water jet driven by spark discharge, Proc. 49th JSMBE, PS1-3-3, 2010.</p> <p>④文部科学省科学研究費補助金「課題名:コアンダジェット制御を利用した多目的外科切開器具の提案と開発(課題番号20700383, 若手研究B)」2008-2010年</p> <p>⑤特許2003-111766「名称:噴流生成装置」</p>
小田 泰行	物理学科	助教	博士（工学）	医用生体工学, 放射線科学, メディア情報学	<p>①Oda Y., Sato E., Abudurexiti A., Hagiwara O., Osawa A., Matsukiyo H., Enomoto T., Watanabe M., Kusachi S., Sugimura S., Endo H., Sato S., Ogawa A., Onagawa J.: Mcps-range photon-counting X-ray computed tomography system utilizing an oscillating linear-YAP(Ce) photon detector, Nucl. Instr. Meth. A, 2011.</p>
寒河江 康朗	物理学科	助教	修士	放射線科学、X線機器工学	<p>①E. Sato, M. Sagae, A. Osawa, H. Matsukiyo, T. Enomoto, M. Watanabe, M. Imamiya, N. Kemuyama, K. Takahashi, S. Sato, A. Ogawa, and J. Onagawa: Single-energy embossed radiography utilizing a flat panel detector, Ann. Rep. Iwate Med. Univ. Center Lib. Arts Sci., 44, 1-7, 2009.</p> <p>②E. Sato, M. Sagae, T. Enomoto, Akira Ogawa, and Shigehiro Sato: Energy-discriminating K-edge x-ray computed tomography system, Ann. Rep. Iwate Med. Univ. Center Lib. Arts Sci., 43, 9-15, 2008.</p> <p>③M. Sagae, E. Sato, E. Tanaka, H. Mori, T. Kawai, T. Inoue, A. Ogawa, S. Sato, K. Takayama, J. Onagawa and H. Ido: Intense clean characteristic flash x-ray irradiation from an evaporating molybdenum diode, Opt. Eng., 46, 026502-1-7, 2007.</p> <p>④M. Sagae, E. Sato, E. Tanaka, Y. Hayasi, R. Germer, H. Mori, T. Kawai, T. Ichimaru, S. Sato, K. Takayama and H. Ido: Quasi-monochromatic x-ray generator utilizing graphite cathode diode with transmission-type molybdenum target, Jpn. J. Appl. Phys., 44, 446-449, 2005.</p>