

物理学科

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>① Yoshida, S., Sato, E., Oda, Y., Yoshioka, K., Moriyama, H., Watanabe, M.: Triple-sensitivity high-spatial-resolution X-ray computed tomography using a cadmium-telluride detector and its beam-hardening effect/ Appl. Radiat. Isot. 159, 109089 (2020).</p> <p>② Sato, E., Yoshida, A., Someya, T., Oda, Y., Yoshida, S., Yoshioka, K., Sato, Y., Moriyama, H., Watanabe, M.: Near-infrared-ray computed tomography with 850-nm peak and high spatial resolutions in first living-body window/ Phys. Open 2, 100010 (2019).</p> <p>③ Moriyama, H., Watanabe, M., Kusachi, S., Oda, Y., Sato, E.: Low-dose low-scattering X-ray computed tomography with high-spatial-energy resolutions using a cooled cadmium telluride detector/ Ultramicroscopy 199, 62-69 (2019).</p> <p>④ Yamaguchi, S., Sato, E.: Product development of a condenser dosimeter using a skin-insulated USB-Asubstrate with a silicon X-ray diode/ Radiological Phys. Tech. 12, 69-75 (2019).</p> <p>⑤ Sato, E., Sato, T., Oda, Y., Sato, Y., Yoshida, S., Yamaguchi, S., Hagiwara, O., Matsukiyo, H., Enomoto, T., Watanabe, M., Kusachi, S.: Triple-energy high-count-rate X-ray computed tomography scanner using a cadmium telluride detector/ Health Technol. 8(3), 197-203 (2018).</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>①Makoto Komatsu, Eiichi Sato : Dissection of polyacrylamide gel with water jet driven by spark discharge/ Proc. 49th JSMBE, PS1-3-3 (2010)</p> <p>②特許2003-111766「名称：噴流生成装置」</p> <p>③小松真, 佐藤英一 : Penetration into gel and dissection along soft material of water jet generated by interaction between suctioned water and shock wave/ 50th JSMBE, 東京電機大学 神田キャンパス 2011年4月29日～5月1日</p> <p>④Makoto Komatsu, Eiichi Sato : Controllability of water jet driven by underwater spark with adjusting density of electrolysis solution/ Proc. 51th JSMBE, P2-06-5 (2 pages of electric book, 2012)</p> <p>⑤小松真 : 断面形状による水中放電誘起キャビテーションの差異, 平成31年電気学会全国大会講演論文集, 第3分冊, 25, 3-019, 2019. 北海道科学大学</p>

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小田 泰行	物理学科	助教	博士（工学）	放射線科学, メディア情報学	<p>① Yoshida, S., Sato, E., Oda, Y., Yoshioka, K., Moriyama, H., Watanabe, M.: Triple-sensitivity high-spatial-resolution X-ray computed tomography using a cadmium-telluride detector and its beam-hardening effect/ Appl. Radiat. Isot. 159, 109089 (2020).</p> <p>② Sato, E., Yoshida, A., Someya, T., Oda, Y., Yoshida, S., Yoshioka, K., Sato, Y., Moriyama, H., Watanabe, M.: Near-infrared-ray computed tomography with 850-nm peak and high spatial resolutions in first living-body window/ Phys. Open 2, 100010 (2019).</p> <p>③ Moriyama, H., Watanabe, M., Kusachi, S., Oda, Y., Sato, E.: Low-dose low-scattering X-ray computed tomography with high-spatial-energy resolutions using a cooled cadmium telluride detector/ Ultramicroscopy 199, 62-69 (2019).</p> <p>④ Sato, E., Sato, T., Oda, Y., Sato, Y., Yoshida, S., Yamaguchi, S., Hagiwara, O., Matsukiyo, H., Enomoto, T., Watanabe, M., Kusachi, S.: Triple-energy high-count-rate X-ray computed tomography scanner using a cadmium telluride detector/ Health Technol. 8(3), 197-203 (2018).</p> <p>⑤ Oda, Y., Sato, E., Wada, K., Momokawa, H., Kataoka, D., Otani, R., Yamaguchi, S., Ehara, S., Hagiwara, O., Matsukiyo, H., Watanabe, M., Kusachi, S.: Dual-energy X-ray computed tomography using a YAP(Ce)-multipixel-photon detector and an energy-selecting device/ Med. Imag. Inform. Sci. 32, 71-76 (2015).</p>