

Publications for Paul Liu

2018

Barber, J., Shieh, C., Counter, W., Sykes, J., Bennett, P., Ahern, V., Corde, S., Heng, S., White, P., Jackson, M., Liu, P., Keall, P., Feain, I. (2018). A CBCT study of the gravity-induced movement in rotating rabbits. *Physics in Medicine and Biology*, 63(10), 1-8. [More Information]

Liu, P., Nguyen, D., Feain, L., O'Brien, R., Keall, P., Booth, J. (2018). Technical note: Real-time image-guided adaptive radiotherapy of a rigid target for a prototype fixed beam radiotherapy system. *Medical Physics*, 45(10), 4660-4666. [More Information]

2016

Liu, P., Reggiori, G., Lobefalo, F., Mancosu, P., Tomatis, S., McKenzie, D., Suchowerska, N. (2016). Small field correction factors for the IBA Razor. *Physica Medica*, 32(8), 1025-1029. [More Information]

Tyler, M., Liu, P., Lee, C., McKenzie, D., Suchowerska, N. (2016). Small field detector correction factors: Effects of the flattening filter for Elekta and Varian linear accelerators. *Journal of Applied Clinical Medical Physics*, 17(3), 223-235. [More Information]

2015

Hug, B., Warrenner, K., Liu, P., Ralston, A., Suchowerska, N., McKenzie, D., Ebert, M. (2015). On the measurement of dose in-air for small radiation fields: Choice of mini-phantom material. *Physics in Medicine and Biology*, 60(6), 2391-2402. [More Information]

2014

Liu, P., Suchowerska, N., McKenzie, D. (2014). Can small field diode correction factors be applied universally? *Radiotherapy and Oncology*, 112(3), 442-446. [More Information]

Ralston, A., Tyler, M., Liu, P., McKenzie, D., Suchowerska, N. (2014). Over-response of synthetic microDiamond detectors in small radiation fields. *Physics in Medicine and Biology*, 59(19), 5873-5881. [More Information]

Warrenner, K., Hug, B., Liu, P., Ralston, A., Ebert, M., McKenzie, D., Suchowerska, N. (2014). Small field in-air output factors: The role of miniphantom design and dosimeter type. *Medical Physics*, 41(2), 1-8. [More Information]

2013

Lee, J., Liu, P., McKenzie, D., Suchowerska, N. (2013). A method to remove residual signals in fibre optic luminescence dosimeters. *Physics in Medicine and Biology*, 58(5), 1581-1590. [More Information]

Naseri, P., McKenzie, D., Liu, P., Fleming, S., Suchowerska, N. (2013). Array of square waveguides for scintillation dosimetry in external radiotherapy. *Journal of Physics: Conference Series*, 444(1), 1-5. [More Information]

Tyler, M., Liu, P., Chan, K., Ralston, A., McKenzie, D., Downes, S., Suchowerska, N. (2013). Characterization of small-field stereotactic radiosurgery beams with modern detectors. *Physics in Medicine and Biology*, 58(21), 7595-7608. [More Information]

Suchowerska, N., Liu, P., Ralston, A., Naseri, P., Abolfathi, P., Lee, J., Warrenner, K., McKenzie, D. (2013). Scintillators for 3D and 4D dosimetry: current status and future potential for clinical translation. *Journal of Physics: Conference Series*, 444(1), 1-4. [More Information]

Cranmer-Sargison, G., Liu, P., Weston, S., Suchowerska, N., Thwaites, D. (2013). Small field dosimetric characterization of a new 160-leaf MLC. *Physics in Medicine and Biology*, 58(20), 7343-7354. [More Information]

Liu, P., Suchowerska, N., McKenzie, D. (2013). Twisted pair of optic fibers for background removal in radiation fields. *Applied Optics*, 52(22), 5500-5507. [More Information]

2012

Naseri, P., McKenzie, D., Liu, P., Fleming, S., Suchowerska, N. (2012). Light propagation in multimoded square hollow waveguides. *Journal of Optics*, 14(10), 1-9. [More Information]

Liu, P., Suchowerska, N., Abolfathi, P., McKenzie, D. (2012). Real-time scintillation array dosimetry for radiotherapy: The advantages of photomultiplier detectors. *Medical Physics*, 39(4), 1688-1695. [More Information]

Liu, P., Suchowerska, N., Lambert, J., Abolfathi, P., McKenzie, D. (2012). Reply to the comment on: 'Plastic scintillation dosimetry: comparison of three solutions for the Cerenkov challenge. *Physics in Medicine and Biology*, 57(11), 3667-3673. [More Information]

Ralston, A., Liu, P., Warrenner, K., McKenzie, D., Suchowerska, N. (2012). Small field diode correction factors derived using an air core fibre optic scintillation dosimeter and EBT2 film. *Physics in Medicine and Biology*, 57(9), 2587-2602. [More Information]

2011

Liu, P., Suchowerska, N., Lambert, J., Abolfathi, P., McKenzie, D. (2011). Plastic scintillation dosimetry: comparison of three solutions for the Cerenkov challenge. *Physics in Medicine and Biology*, 56(18), 5805-5821. [More Information]

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