

Review of: "Dynamic X-ray elastography using a pulsed photocathode source"

Rolf Behling

Potential competing interests: The author(s) declared that no potential competing interests exist.

Intriguing approach. Spatial resolution would possibly benefit from higher photon flux, as available with rotating anode tubes. These may employ grid switching technology for thermionic cathodes that would allow for sub-microsecond pulsing, see (Behling, 2021b) (Becker et al., 2020) (Behling, 2021a)

Literature:

- Becker, A. E., Hernandez, A. M., Boone, J. M., & Schwoebel, P. R. (2020). A prototype Multi-X-ray-source array (MXA) for digital breast tomosynthesis. *Physics in Medicine & Biology*, 65(23), 235033. <https://doi.org/10.1088/1361-6560/abc305>
- Behling, R. (2021a). *Modern Diagnostic X-Ray Sources* (2nd ed.). CRC Press. <https://doi.org/10.1201/9781003095408>
- Behling, R. (2021b). On a new multi-source X-ray tube concept for minimizing imaging time in digital breast tomosynthesis. *Physica Medica*, 88, 20–22. <https://doi.org/10.1016/j.ejmp.2021.06.013>