

Celestino Padeste, PSI: List of Publications, updated: 28/01/2021

1. Karpik, A., Martiel, I., Kristiansen, P. M., & Padeste, C. (2020). Fabrication of ultrathin suspended polymer membranes as supports for serial protein crystallography. *Micro and Nano Engineering*, 7, 100053 (6 pp.). <https://doi.org/10.1016/j.mne.2020.100053>
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3. Mortelmans, T., Kazazis, D., Guzenko, V. A., Padeste, C., Braun, T., Li, X., & Ekinici, Y. (2020). Grayscale e-beam lithography: effects of a delayed development for well-controlled 3D patterning. *Microelectronic Engineering*, 225, 111272 (5 pp.). <https://doi.org/10.1016/j.mee.2020.111272>
4. M. Ł. Górzny, N.L. Opara, V.A. Guzenko, V.J. Cadarso, H. Schiff, X.D. Li, C. Padeste, "Microfabricated silicon chip as lipid membrane sample holder for serial protein crystallography", *Micro and Nano Engineering* 3 (2019) 31-36, doi: 10.1016/j.mne.2019.03.002.
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8. G. Seniutinas, A. Weber, C. Padeste, I. Sakellari, M. Farsari, C. David; „Beyond 100 nm resolution in 3D laser lithography — Post processing solutions". *Microelectronic Engineering*, 191 (2018) 25-31, doi: 10.1016/j.mee.2018.01.018.
9. Nadia L. Opara, Istvan Mohacsi, Mikako Makita, Daniel Castano-Diez, Ana Diaz, Pavle Juranić, May Marsh, Alke Meents, Christopher J. Milne, Aldo Mozzanica, Celestino Padeste, Valérie Panneels, Marcin Sikorski, Sanghoon Song, Henning Stahlberg, Ismo Vartiainen, Laura Vera, Meitian Wang, Philip R. Willmott, and Christian David "Demonstration of femtosecond X-ray pump X-ray probe diffraction on protein crystals" *Structural Dynamics*, (2018), 5, 054303; doi: 10.1063/1.5050618.
10. Cecilia Casadei, Ching-Ju Tsai, Anton Barty, Mark Hunter, Nadia Zatsepin, Celestino Padeste, Guido Capitani, Henry Benner, Sebastien Boutet, Stefan Hau-Riege, Christopher Kupitz, Marc Messerschmidt, John Ogren, Tom Pardini, Kenneth Rothschild, Leonardo Sala, Brent Segelke, Garth Williams, James Evans, Xiao-Dan Li, Matthew Coleman, Bill Pedrini and Matthias Frank, "Resolution extension by image summing in serial femtosecond crystallography of two-dimensional membrane protein crystals", *IUCrJ*, (2018) 5, 103–117; doi: 10.1107/S2052252517017043.
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