## Maksim S. Rakitin

**Publications** 

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## Publications

- 32. S. Campbell, D. B. Allan, A. Barbour, D. Olds, M. Rakitin, R. Smith, and S. B. Wilkins, "Outlook for artificial intelligence and machine learning at the nsls-ii," *Machine Learning: Science and Technology*, 2020.
- 31. O. Chubar, L. Wiegart, S. Antipov, R. Celestre, R. Coles, A. Fluerasu, and M. Rakitin, "Analysis of hard x-ray focusing by 2D diamond CRL," in *Advances in Computational Methods for X-Ray Optics V* (O. Chubar and K. Sawhney, eds.), vol. 11493, pp. 119 127, International Society for Optics and Photonics, SPIE, 2020.
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- 29. A. He, O. Chubar, M. Rakitin, L. Samoylova, C. Fortmann-Grote, S. Yakubov, and A. Buzmakov, "Parallel performance of "Synchrotron Radiation Workshop" code: partially coherent calculations for storage rings and time-dependent calculations for XFELs," in Advances in Computational Methods for X-Ray Optics V (O. Chubar and K. Sawhney, eds.), vol. 11493, pp. 78 87, International Society for Optics and Photonics, SPIE, 2020.
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- 25. D. Allan, T. Caswell, S. Campbell, and M. Rakitin, "Bluesky's Ahead: A Multi-Facility Collaboration for an a la Carte Software Project for Data Acquisition and Management," *Synchrotron Radiation News*, vol. 32, no. 3, pp. 19–22, 2019.
- 24. L. Wiegart, M. Rakitin, Y. Zhang, A. Fluerasu, and O. Chubar, "Towards the simulation of partially coherent x-ray scattering experiments," *AIP Conference Proceedings*, vol. 2054, no. 1, p. 060079, 2019.
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- 22. M. S. Rakitin, P. Moeller, R. Nagler, B. Nash, D. L. Bruhwiler, D. Smalyuk, M. Zhernenkov, and O. Chubar, "Sirepo: an open-source cloud-based software interface for X-ray source and optics simulations," Journal of Synchrotron Radiation, vol. 25, pp. 1877–1892, Nov 2018.
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