## Maksim S. Rakitin

**Publications** 

## Personal details

Full name: Maksim S. Rakitin

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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.
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- 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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- 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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- 13. M. M. Davari Esfahani, Q. Zhu, H. Dong, A. R. Oganov, S. Wang, M. S. Rakitin, and X.-F. Zhou, "Novel magnesium borides and their superconductivity," *Phys. Chem. Chem. Phys.*, vol. 19, pp. 14486–14494, 2017.
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