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LIST OF PUBLICATIONS

PUBLICATIONS IN PEER REVIEW JOURNALS

- [1] R. Brinkmann, N. Delbos, I. Dornmair, M. Kirchen, R. Assmann, C. Behrens, K. Floettmann, J. Grebenyuk, M. Gross, S. Jalas, T. Mehrling, A. Martinez de la Ossa, J. Osterhoff, B. Schmidt, V. Wacker, and A. R. Maier. *Chirp Mitigation of Plasma-Accelerated Beams by a Modulated Plasma Density*. **Phys. Rev. Lett.**, 118:214801, May 2017. URL https://link.aps.org/doi/10.1103/PhysRevLett.118.214801.
- [2] T. J. Mehrling, R. A. Fonseca, A. Martinez de la Ossa, and J. Vieira. *Mitigation of the Hose Instability in Plasma-Wakefield Accelerators*. **Phys. Rev. Lett.**, 118:174801, Apr 2017. URL https://link.aps.org/doi/10.1103/PhysRevLett.118.174801.
- [3] O. Lishilin, M. Gross, R. Brinkmann, J. Engel, F. Grüner, G. Koss, M. Krasilnikov, A. M. de la Ossa, T. Mehrling, J. Osterhoff, G. Pathak, S. Philipp, Y. Renier, D. Richter, C. Schroeder, R. Schütze, and F. Stephan. First results of the plasma wakefield acceleration experiment at PITZ. Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 829:37 42, September 2016. URL http://www.sciencedirect.com/science/article/pii/S0168900216000085. Citing Articles without self-citations: o (WoS Apr 2017).
- [4] T. Mehrling, R. Robson, J.-H. Erbe, and J. Osterhoff. Efficient numerical modelling of the emittance evolution of beams with finite energy spread in plasma wakefield accelerators. Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 829:367 371, September 2016. URL http://www.sciencedirect.com/science/article/pii/S0168900216001418. Citing Articles without self-citations: o (WoS Apr 2017).
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- [6] A. Martinez de la Ossa, T. J. Mehrling, L. Schaper, M. J. V. Streeter, and J. Osterhoff. Wakefield-induced ionization injection in beam-driven plasma accelerators. Physics of Plasmas, 22(9):–, September 2015. URL http://scitation.aip.org/content/aip/journal/pop/22/9/10.1063/1.4929921. Citing Articles without self-citations: 1 (WoS Apr 2017).
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- [13] G. Loisch and others. Experimental Investigation of High Transformer Ratio Plasma Wakefield Acceleration at PITZ. In Proc. of International Particle Accelerator Conference (IPAC'17), Copenhagen, Denmark, 14-19 May, 2017, number 8 in International Particle Accelerator Conference, pages 1718–1720, Geneva, Switzerland, May 2017. JACoW. URL http://jacow.org/ipac2017/papers/tupik018.pdf. https://doi.org/10.18429/JACoW-IPAC2017-TUPIK018.
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