

# Publicationlist of Dr. Christof Walter Schneider

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## Peer reviewed articles

1. S. E. Nikitin, N. D. Andriushin, Ø. S. Fjellvåg, E. V. Pomjakushina, A. A. Turrini, S. Artyukhin, C. W. Schneider, and M. W. Mostovoy  
*Competition Between Multiferroic and Magnetic Soliton Lattice States in DyFeO<sub>3</sub>*  
<http://arxiv.org/abs/2502.11592> (2025).
2. B. Biswas, F. Stramaglia, E. V. Pomjakushina, T. Lippert, C. A. F. Vaz, and C. W. Schneider  
*Room Temperature Dy Spin-Flop Switching in Strained Thin Films DyFeO<sub>3</sub>*  
Adv. Mater. Interfaces **8** (2400938) (2025).
3. B. Biswas, P. Naumov, F. Motti, P. Hautle, M. Bartkowiak, E. V. Pomjakushina, U. Stuhr, D. Fuchs, T. Lippert, and C. W. Schneider  
*Correlation of structural and magnetic properties of RFeO<sub>3</sub> (R = Dy, Lu)*  
Phys. Rev. Mater. **8** (084404) (2024).
4. J. Huang, C. N. Borca, T. Huthwelker, N. S. Yüzbası, D. Baster, M. El Kazzi, C. W. Schneider, T. J. Schmidt, and E. Fabbri  
*Surface oxidation/spin state determines oxygen evolution reaction activity of cobalt-based catalysts in acidic environment*  
Nat. Comms. **15** (3067) (2024).
5. F. Motti, L. Riddiford, D. Vaclavkova, S. Sahoo, A. M. Müller, C. Vockenhuber, A. B. Zadeh, C. Piamonteze, C. W. Schneider, V. Scagnoli, and L. J. Heyderman  
*Effect of periodicity on the magnetic anisotropy in spinel oxide superlattices*  
Phys. Rev. B **108** (104426) (2023).
6. X. Yao, C. W. Schneider, N. M. Bulgakova, A. V. Bulgakov, and T. Lippert  
*Double layer acceleration of ions with differently charged states in a laser induced plasma*  
Appl. Phys. A **129** (580) (2023).
7. X. Yao, C. W. Schneider, N. M. Bulgakova, A. V. Bulgakov, and T. Lippert  
*Ion expansion dynamics of laser induced multi-elemental plasmas*  
J. Phys. D: Appl. Phys. **56**, 345202 (2023).
8. N. A. Shepelin, Z. P. Teherani, N. Ohannessian, C. W. Schneider, D. Pergolesi, and T. Lippert  
*A Practical Guide to Pulsed Laser Deposition*  
Chem. Soc. Rev. **52**, 2294 (2023).
9. C. W. Schneider and T. Lippert  
*PLD plasma plume analysis, a summary of the PSI contribution*  
Applied Physics A **129**, 138 (2023).

10. B. Biswas, V. F. Michel, Ø. S. Fjellvåg, G. Bimashofer, M. Döbeli, M. Jambor, L. Keller, E. Müller, V. Ukleev, E. V. Pomjakushina, D. Singh, U. Stuhr, V. A. F. Vaz, T. Lippert, and C. W. Schneider  
*Role of Dy on the magnetic properties of orthorhombic DyFeO<sub>3</sub>*  
Phys. Rev. Materials **6**, 074401 (2022).
11. X. Yao, C. W. Schneider, A. Wokaun, and T. Lippert  
*New Insight into the Gas Phase Reaction Dynamics in Pulsed Laser Deposition of Multi-Elemental Oxides*  
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12. F. Giorgianni, M. Udina, T. Cea, E. Paris, M. Caputo, M. Radovic, L. Boie, J. Sakai, C. W. Schneider, and S. L. Johnson  
*Terahertz Sum-frequency Excitation of Coherent Phonons in V<sub>2</sub>O<sub>3</sub> Mediated by Intra-band Electronic Transitions*  
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13. G. Bimashofer, S. Smetaczek, E. Gilardi, C. W. Schneider, A. Limbeck, T. Lippert, and J. Stahn  
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Applied Physics A **127**, 473 (2021).
14. Y. W. Windsor, M. Ramakrishnan, L. Rettig, A. Alberca, T. Lippert, C. W. Schneider, and U. Staub  
*Multiple magnetic ordering phenomena in multiferroic o-HoMnO<sub>3</sub>*  
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19. C. W. Schneider, M. Döbeli, Chr. Richter, and T. Lippert  
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20. S. Mukherjee, K. Shimamoto, C. W. Schneider, and C. Niedermayer  
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21. Y. Xiang, C. W. Schneider, T. Lippert, and A. Wokaun  
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