

# Publicationlist of Dr. Christof Walter Schneider

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## Peer reviewed articles

1. X. Yao, C. W. Schneider, N. M. Bulgakova, A. V. Bulgakov, and T. Lippert  
*Ion expansion dynamics of laser induced plasmas*  
Sub. Dec. 2022, Phys. Rev. E.
2. Z. P. Teherani, N. Ohannessian, C. W. Schneider, D. Pergolesi, N. A. Shepelin, and T. Lippert  
*A Practical Guide to Pulsed Laser Deposition*  
Sub. Dec. 2022, Chemical Society Reviews.
3. C. W. Schneider and T. Lippert  
*PLD plasma plume analysis, a summary of the PSI contribution*  
Sub. Nov. 2022, Appl. Phys. A.
4. 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).
5. 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*  
Materials **15**, 4862 (2022).
6. 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*  
Commun Phys **5**, 103 (2022).
7. G. Bimashofer, S. Smetaczek, E. Gilardi, C. W. Schneider, A. Limbeck, T. Lippert, and J. Stahn  
*Growth of Li<sub>x</sub>La<sub>y</sub>Sr<sub>z</sub>MnO<sub>3</sub> thin films by pulsed laser deposition: complex relation between thin film composition and deposition parameters*  
Applied Physics A **127**, 473 (2021).
8. 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>*  
Phys. Rev. B **8** (43), 214423 (2020).
9. E. Burns, U. Aschauer, M. Döbeli, C. W. Schneider, D. Pergolesi, and T. Lippert  
*LaTiO<sub>2</sub>N crystallographic orientation control significantly increases visible-light induced charge extraction*  
J. Mat. Chem. A **8** (43), 22867-22873 (2020).

10. E. Paris, Y. Tseng, E. M. Parschke, W. Zhang, M. H. Upton, A. Efimenko, K. Rolfs, D. E. McNally, L. Maurel, M. Naamneh, M. Caputo, V. N. Strocov, Z. Wang, D. Casa, C. W. Schneider, E. Pomjakushina, K. Wohlfeld, M. Radovic, and T. Schmitt  
*Strain engineering of the charge and spin-orbital interactions in Sr<sub>2</sub>IrO<sub>4</sub>*  
PNAS, 20202043117 (2020).
11. J. A. Krieger, A. Pertsova, S. R. Giblin, M. Döbeli, T. Prokscha, C. W. Schneider, A. Suter, T. Hesjedal, A. Balatzky, and Z. Salman  
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12. E. Gradauskaitė, M. Campanini, B. Biswas, C. W. Schneider, M. Fiebig, M. D. Rossell, and M. Trassin  
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13. C. W. Schneider, M. Döbeli, Chr. Richter, and T. Lippert  
*Oxygen diffusion in oxide thin films grown on SrTiO<sub>3</sub>*  
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14. S. Mukherjee, K. Shimamoto, C. W. Schneider, and C. Niedermayer  
*Unique coexistence of incommensurate and commensurate magnetic order in TbMnO<sub>3</sub> strained films*  
Phys. Rev. Materials **3**, 104412 (2019).
15. Y. Xiang, C. W. Schneider, T. Lippert, and A. Wokaun  
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16. D. E. McNally, X. E. Lu, J. Pelliciari, S. Beck, M. Dantz, M. Naamneh, T. Shang, M. Medarde, C. W. Schneider, V. N. Strocov, E. V. Pomjakushina, C. Ederer, M. Radovic, and T. Schmitt  
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26. A. Ojeda-G-P, C. W. Schneider, M. Döbeli, T. Lippert, and A. Wokaun  
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## Book Chapter

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