

# Heinrich Schwoerer, publications, teaching and postgraduate supervision

## Diploma thesis

„Dynamik von Tunnelsystemen in KBr:KCN-Mischkristallen, Dielektrische Dispersion und Rotationsechos“, (dynamics of tunneling systems in KBr:KCN-mixed crystals, dielectric dispersion and rotational echoes), Ruprecht-Karls-Universität Heidelberg, 1991.

## Phd thesis

„Spektrale Lochbrennmaterialien als hochauflösende lineare Amplituden- und Phasenfilter für ultrakurze Laserpulse“, (spectral hole burning media as high resolution amplitude and phase filters for ultrashort laser pulses), Dissertation ETH Nr. 10933, Eidgenössische Technische Hochschule Zürich, 1994.

## Habilitation

„Physik in ultrakurzen und ultraintensiven Feldern“, (physics in ultrashort and ultraintense fields), Friedrich-Schiller-Universität Jena, 2002.

## Journal Publications

I. Minda, E. Ahmed, V. Sleziona, Ch. Richter, M. Beu, J. Falgenhauer, H. Miura, D. Schlettwein, H. Schwoerer,

„Identification of different pathways of electron injection in dye-sensitised solar cells of electrodeposited ZnO with an indoline sensitiser“,

Physical Chemistry Chemical Physics **18**, 8938-8944 (2016).

H. Schwoerer, H. Chapman, B. Siwick, D. Miller,

„Editorial, Special issue on imaging the dynamic structure of matter“,

Journal of Physics B: Atomic, Molecular and Optical Physics **49**, 150201 (2016).

O. Olaoye, N. Erasmus, K. Haupt, H. Schwoerer,

„Femtosecond dynamics of decoupled superlattice domains in  $4H_B$ -TaSe<sub>2</sub> single crystals“,

Journal of Physics B: Atomic, Molecular and Optical Physics **49**, 064011 (2016).

K. Haupt, M. Eichberger, N. Erasmus, A. von Flotow, J. Demsar, K. Rossnagel, H. Schwoerer,

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Z. Birech, M. Schwoerer, T. Schmeiser, J. Pflaum, H. Schwoerer,

„Ultrafast Dynamics of Excitons in Tetracene Single Crystals“,

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Journal of Physical Chemistry A **118**, 844-855 (2014).

N. Hansen, C. Wunderlich, A. Topczak, E. Rohwer, H. Schwoerer, J. Pflaum,

„Exciton interaction with a spatially defined charge accumulation layer in the organic semiconductor diindenoperylene“,

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