Prof. Dr. Norbert Koch *ORCID: 0000-0002-6042-6447*

Current positions
Professor, Department of Physics, Humboldt-Universität zu Berlin (since 2009)
Head of Joint Research Group "Molecular Systems" at HZB (since 2010)

Previous positions (two selected)
Emmy Noether Independent Junior Research Group (DFG) at Humboldt-Universität zu Berlin (2004-2009)
Post-doc at Princeton University, USA (2000-2002)

Scientific degree
Doctoral degree (Dr. techn.) / Technische Universität Graz (2000)

Recent research topics	Electronic properties of electronic & energy materials, physics and chemistry of interfaces in devices, organic and inorganic semiconductors
Awards, honors	Distinguished Award for Novel Materials and their Synthesis, IUPAC & NMS (2017) Chair Professor, FUNSOM, Soochow University, China (since 2014)

Publications/Patents (5 most important)

- **M. Oehzelt, N. Koch,** G. Heimel, Organic semiconductor density of states controls the energy level alignment at electrode interfaces, *Nat. Commun*. 5, 4174 (2014) doi:10.1038/ncomms5174
- **R. Schlesinger**, F. Bianchi, R. Ovsyannikov, **N. Koch**, et al., Efficient light emission from inorganic and organic semiconductor hybrid structures by energy-level tuning, *Nat. Commun*. 6, 6754 (2015) doi:10.1038/ncomms7754
- **F.-S. Zu**, P. Amsalem, R.-B. Wang, **M. Ralaiarisoa**, **N. Koch**, et al., Impact of white light illumination on the electronic and chemical structures of mixed halide and single crystal perovskites, *Adv. Optical Mater*. 5, 1700139 (2017) doi:10.1002/adom.201700139
- A.D. Jodlowski, G. Grancini, M. Salado, **M. Ralaiarisoa**, **N. Koch**, et al., Large guanidinium cation mixed with methylammonium in lead iodide perovskites for 19% efficient solar cells, *Nat. Energy* 2 972 (2017) doi:10.1038/s41560-017-0054-3
- **F.-S. Zu**, P. Amsalem, D. A. Egger, R. Wang, **N. Koch**, et al., Constructing the electronic structure of $CH_3NH_3PbI_3$ and $CH_3NH_3PbBr_3$ perovskite thin films from single-crystal band structure measurements, *J. Phys. Chem. Lett*. 10, 601 (2019) doi:10.1021/acs.jpclett.8b03728