List of Publications

Matthias Bode

January 10, 2024

Articles

202. W.-C. Pan, C. Mützel, S. Haldar, H. Hohmann, S. Heinze, J. M. Farrell, R. Thomale, M. Bode, F. Würthner, and J. Qi, *Diboraperylene Diborinic Acid Self-assembly on Ag(111) — Kagome Flat Band Localized States Imaged by Scanning Tunneling Microscopy and Spectroscopy*, submitted

201. Y. Wang, F. Friedrich, M. Bode, and A. Odobesko: *Observation of zero-energy modes in Gd atomic chains on superconducting Nb(110)*, submitted

200. P. Härtl, M. Vogt, M. Leisegang, G. Bihlmayer, S. Blügel, and M. Bode: *Observation of a spin spiral state at a ferromagnets vacuum interface*, submitted

199. A. Odobesko, R. L. Klees, F. Friedrich, E. M. Hankiewicz, and M. Bode: *Resolving the interference of Yu-Shiba-Rusinov states with multi-functionalized STM probe tips*, submitted

198. F. Friedrich, A. Odobesko, J. Bouaziz, S. Lounis, and M. Bode: *Spin-resolved spectroscopic evidence for spinarons in Co adatoms*, Nature Physics (in press)

197. P. Härtl, M. Leisegang, J. Kügel, and M. Bode: *Probing spin-dependent charge transport at single-nanometer length scales*, Nano Lett. 23, 11608 (2023)

196. P. M. Weber, T. Drevelow, J. Qi, P. Härtl, M. Bode, and S. Heinze: *Evidence for a conical spin spiral state in the Mn triple-layer on W(001): Spin-polarized scanning tunneling microscopy and first-principles calculations*, Phys. Rev. B **108**, 134419 (2023)

195. A. Christ, P. Härtl, M. Seitz, T. Edelmann, M. Bode, J. Waluk, and M. Leisegang: *Anisotropic coupling of individual vibrational modes to a Cu(110) substrate*, Phys. Chem. Chem. Phys. **25**, 23894 (2023)

194. P. Härtl, S. Schemmelmann, P. Krüger, M. Donath, and M. Bode: *Structural and electronic properties of Tl films on Ag(111): from* $(\sqrt{3}\times\sqrt{3})$ *surface alloy to moiré superstructure*, Phys. Rev. B **107**, 205144 (2023)

193. A. Christ, M. Bode, and M. Leisegang: *Real-Space Resolved Surface Reaction: Deprotonation and Metalation of Phthalocyanine*, Phys. Chem. Chem. Phys. **25**, 7681 (2023)

192. G. Wagner, S. Das, J. Jung, A. Odobesko, F. Küster, F. Keller, J. Korczak, A. Szczerbakow, T. Story, S. Parkin, R. Thomale, T. Neupert, M. Bode, and P. Sessi: *Interaction effects in a 1D flat band at a topological crystalline step edge*, Nano Letters **23**, 2476 (2023)

191. J. Qi, P. M. Weber, T. Kißlinger, L. Hammer, M. A. Schneider, and M. Bode: *Structure–property relationship of reversible magnetic chirality tuning*, Phys. Rev. B **107**, L060409 (2023)

190. S. Toksabay, M. Leisegang, A. Christ, P. Härtl, J. Krebs, T. B. Marder, S. Haldar, S. Heinze, M. Bode, and A. Krueger: *Controlled Formation of Porous 2D Lattices from* C_3*-symmetric* Ph_6*-Me-Tribenzotriquinacene-*OAc_3, Chem. Eur. J. e202203187 (2023)

189. M. Leisegang, M. Böhme, D. Maiberger, P. Härtl, J. Kügel, and M. Bode: *Electron-induced switching processes of phthalocyanine molecules on* $(\sqrt{3} \times \sqrt{3})$*Bi/Ag(111)R30°: Tautomerization accompanied by rotation*, J. Phys. Chem. C 127, 592 (2023)

188. A. Christ, P. Härtl, P. Kloster, M. Bode, and M. Leisegang: *Tautomerization of HPc on Cu(111)*, Phys. Rev. Research **4**, 043016 (2022)

187. P. Härtl, M. Leisegang, and M. Bode: *Magnetic domain structure of epitaxial Gd films grown on W(110)*, Phys. Rev. B **105**, 174431 (2022)

186. F. Friedrich, R. Boshuis, M. Bode, and A. B. Odobesko: *Coupling of YSR states in 1D chains of Fe atoms on Nb(110)*, Phys. Rev. B **103**, 235437 (2021)

185. J. Jung, A. B. Odobesko, R. Boshuis, A. Szczerbakow, T. Story, and M. Bode: *A Systematic Investigation of the Coupling between One-Dimensional Edge States of a Topological Crystalline Insulator*, Phys. Rev. Lett. **126**, 236402 (2021)

184. R. Boshuis, A. B. Odobesko, F. Friedrich, J. Jung, and M. Bode: *A comparative growth study of ultra-thin Bi films on clean and oxygen-reconstructed Nb(110)*, Phys. Rev. Mat. **5**, 054801 (2021)

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179. M. Leisegang, T. Zenger, M. Bode, and J. Kügel: *Guiding a Proton — Controlled Directionality in a Single Molecule*, J. Phys. Chem. C **124**, 10727 (2020)

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177. M. Schmitt, C. H. Park, P. Weber, A. Jäger, J. Kemmer, M. Vogt, and M. Bode: *Structural and magnetic properties of 3d transition metal oxide chains on the (001) surfaces of Ir and Pt*, Phys. Rev. B **100**, 054431 (2019)

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