

List of publications

B. Gumhalter

121. K. Miwa, M. Sakaue, B. Gumhalter and H. Kasai:
Effects of plasmon energetics on light emission induced by scanning tunneling spectroscopy
J. Phys.:Condens. Matter, in press.
120. B. Gumhalter:
*Stages of hot electron dynamics in multiexcitation processes at surfaces:
General properties and benchmark examples*
Progress in Surface Science, 87 (2012), 163.
119. P. Lazić, N. Atodiresei, V. Caciuc, R. Brako, B. Gumhalter and S. Blügel:
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J. Phys.:Condens. Matter 24 (2012), 424215.
118. S. Marion and B. Gumhalter
*Electron scattering by random adsorbates: A tunable decoherence mechanism
in surface bands*
Phys. Status Solidi B, 249/6 (2012) 1218.
117. B. Gumhalter
*Multiphonon atom-surface scattering from corrugated surfaces: Derivation of the inelastic
scattering spectrum for diffraction states*
J.Phys.: Condens. Matt. 24 (2012) 104015.
116. B. Gumhalter, P. Lazić and N. Došlić
Excitonic precursor states in ultrafast pump-probe spectroscopies of surface bands
Phys. Status Solidi B 247 (2010)1907.
115. A. Bilić, Ž. Crljen, B. Gumhalter, J.D. Gale, I. Rungger and S. Sanvito
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110. H. Ueba and B. Gumhalter
Theory of two-photon photoemission spectroscopy
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109. P. Lazić, R. Brako and B. Gumhalter
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108. A. Šiber and B. Gumhalter
Reply to "Comment on 'Suppression of inelastic bound state resonance effects by the dimensionality of an atom-surface scattering event'"
Phys. Rev. B 75 (2007) 046402.
107. P. Lazić, V.M. Silkin, E.V. Chulkov, P.M. Echenique and B. Gumhalter
Extreme ultrafast dynamics of quasiparticles excited in surface electronic bands
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Role of van der Waals interactions in adsorption of Xe on Cu(111) and Pt(111)
Phys. Rev. B 72 (2005) 245407.
105. B. Gumhalter
Ultrafast dynamics and decoherence of quasiparticles in surface bands: Development of the formalism
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104. A. Šiber and B. Gumhalter
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101. B. Gumhalter and T. Matsushima:
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98. C. Boas, M. Kunat, U. Burghaus, B. Gumhalter and Ch. Wöll:
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