

# Publikationsliste

*Stress and relief of misfit-strain of Ge/Si(001)*

G. Wedler, J. Walz, T. Hesjedal, E. Chilla, and R. Koch  
Physical Review Letters 80, 2382 - 2385 (1998).

*Intrinsic Stress upon Stranski-Krastanov Growth of Ge on Si(001)*

G. Wedler, J. Walz, T. Hesjedal, E. Chilla, and R. Koch  
Surface Science 402 - 404, 290 - 293 (1998).

*Stress and Misfit-Strain Relief of Ge/Si(001)*

G. Wedler, J. Walz, T. Hesjedal, E. Chilla, and R. Koch  
Proceedings of the International Conference on Solid State Devices and Materials,  
Hiroshima, p. 424 - 425 (1998).

*Stress and relief of misfit-strain of Ge/Si(111)*

J. Walz, A. Greuer, G. Wedler, T. Hesjedal, E. Chilla, and R. Koch  
Applied Physics Letters, 73, 2579 - 2581 (1998).

*Upon 3D-islanding of Ge/Si(001)*

G. Wedler, J. Walz, T. Hesjedal, E. Chilla, and R. Koch  
Applied Physics A (Rapid Communication) 69, 467 - 470 (1999).

*Stress Dependence of the Magnetoelastic Coupling Constants  $B_1$  and  $B_2$   
of Epitaxial Fe(001) Films*

G. Wedler, J. Walz, A. Greuer and R. Koch  
Physical Review B (Rapid Communication) 60, R11313 - R11316 (1999).

*The Magnetoelastic Coupling Constant  $B_2$  of Epitaxial Fe(001) Films*

G. Wedler, J. Walz, A. Greuer and R. Koch

Surface Science 454 - 456, 896 - 899 (2000).

*On the Role of Interdiffusion during the Growth of Ge on Si(001) and Si(111)*

R. Koch, B. Wassermann and G. Wedler

Defect and Diffusion Forum (Pt. A of Diffusion and Defect Data) 183 - 185,  
95 - 102 (2000), Scitec Publications Ltd., Ütikon-Zürich, Switzerland.*Stress evolution during Fe(001) epitaxy on GaAs(001)*

G. Wedler, B. Wassermann, R. Nötzel and R. Koch

Applied Physics Letters, 78, 1270-1272 (2001).

*Change of Growth Mode in  $Si_xGe_{1-x}/Si(001)$  Heteroepitaxy*

G. Wedler, B. Wassermann and R. Koch

Physical Review Letters (zur Veröffentlichung eingereicht).

**Tagungen***Intrinsische Spannungen von GeSi-Dünnschichten auf Si(001) und Si(111)*

G. Wedler, J. Walz und R. Koch

Tagung der Deutschen Physikalischen Gesellschaft, Münster 1997.

*Intrinsic Stress upon Stranski-Krastanov Growth of Ge on Si(001)*

G. Wedler, J. Walz, T. Hesjedal, E. Chilla, and R. Koch

17th European Conference on Surface Science (ECOSS-17), Enschede 1997.

*Intrinsic Stress upon Stranski-Krastanov Growth of Ge on Si(001)*

G. Wedler, J. Walz, T. Hesjedal, E. Chilla, and R. Koch

44th National Symposium of the American Vacuum Society, San Jose 1997.

*Stress and Misfit-Strain Relief of Ge/Si(001)*

G. Wedler, J. Walz, T. Hesjedal, E. Chilla, and R. Koch

International Conference on Solid State Devices and Materials,

Hiroshima, 7. - 10. 9. 1998.

*Magnetoelastische Eigenschaften von Fe(001)/MgO(001)*

G. Wedler, J. Walz, A. Greuer und R. Koch

Tagung der Deutschen Physikalischen Gesellschaft, Münster 1999.

*Mechanische Spannungen und Abbau der Misfit-Verzerrung von Ge/Si(111)*

J. Walz, A. Greuer, G. Wedler, T. Hesjedal, E. Chilla und R. Koch

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*Stress Dependence of the Magnetoelastic Coupling Constants  $B_1$  and  $B_2$  of Epitaxial Fe(001) Films*

G. Wedler, J. Walz, A. Greuer und R. Koch

18th European Conference on Surface Science (ECOSS-18), Wien 1999.

*Magnetoelastische Kopplungskonstanten  $B_1$  und  $B_2$  von epitaktischen Fe(001)-Schichten*

G. Wedler, A. Greuer, J. Walz und R. Koch

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*On the Role of Interdiffusion during the Growth of Ge on Si(001) and Si(111)*

R. Koch, B. Wassermann and G. Wedler

Gordon Research Conferences — Thin Film Mechanical Behavior,  
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*On the Role of Interdiffusion during the Growth of Ge on Si(001) and Si(111)*

R. Koch, B. Wassermann and G. Wedler

Fundamental Aspects of Surface Science, Epitaxial Growth and Nanostructures  
at Surfaces, Castelvecchio Pascoli, Italien, 7. - 12. Oktober 2000.

*Growth, Stress and Magnetoelastic Properties of Epitaxial Fe(001) Films*

G. Wedler, B. Wassermann and R. Koch

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at Surfaces, Castelvecchio Pascoli, Italien, 7. - 12. Oktober 2000.

