

200. Zharnylskaya, A. L.; Volkhin, V. V.; Reuther, H.
Effect of the nature of anions of aluminum salts used to synthesize a precursor of the $\text{Al}_2\text{O}_3\text{-ZrO}_2$ ceramics on the stabilization of the tetragonal modification of zirconium dioxide
Zhurnal Prikladnoi Khimii **82**, 1268 (2009).
Russian Journal of Applied Chemistry **82**, 1364 (2009)

Invited Conference Talks

1. Abrasonis, G.
Surface diffusion assisted phase separation during the growth of carbon:transition metal nanocomposite thin films
2nd Plasma-Nano International Workshop at Australia's Commonwealth Scientific and Industrial Research Organisation (CSIRO), 9.02.2009, Lindfield, Australia
2. Brauer, G.; Anwand, W.; Grambole, D.; Egger, W.; Sperr, P.; Beynik, I.; Hofer, C.; Teichert, C.; Kuriplach, J.; Lang, J.; Zviagin, S.; Cizmar, E.; Ling, C. C.; Hsu, Y. F.; Xi, Y. Y.; Djuricic, A. B.; Skorupa, W.
Characterization of ZnO nanostructures: A challenge to positron annihilation spectroscopy and other methods
15th International Conference on Positron Annihilation, 18.-23.01.2009, Kolkata, India
3. Facsko, S.; Ranjan, M.; Keller, A.; Oates, T. W. H.; Rosen, J.
Self-aligned metal nanoparticles and nanowires grown on ripple-templates
MRS 2009 Fall Meeting, Symposium "Nanoscale Pattern Formation", 30.11.-4.12.2009, Boston MA, USA
4. Faßbender, J.
Engineering surfaces, interfaces and structural phases to tailor magnetic properties
Gaede-Preis-Vortrag, Frühjahrstagung der Deutschen Physikalischen Gesellschaft, 24.03.2009, Dresden, Germany
5. Faßbender, J.; Liedke, M. O.; Strache, T.; Marko, D.; Lenz, K.; Keller, A.; Facsko, S.; Tibus, S.; Springer, F.; Albrecht, M.; Rohrmann, H.
Periodically modulated surfaces and interfaces: Introducing artificial length scales to tailor magnetic properties
MRS 2009 Spring Meeting, Symposium "Ion Beams and Nano-Engineering", 13.-17.04.2009, San Francisco, USA
6. *2nd International Conference on Physics at Surfaces and Interfaces, 23.-27.02.2009, Puri, Orissa, India*
7. Faßbender, J.
Nanomagnets - Created and tailored by ions
International Seminar and Workshop on Magnonics: From Fundamentals to Applications, 2.-7.08.2009, Dresden, Germany
8. *International Workshop "Nanoscale Modification of Surfaces and Thin Films", 30.08.-3.09.2009, Rathen, Germany*
9. Faßbender, J.; Liedke, M. O.; Körner, M.; Markó, D.; Lenz, K.; Facsko, S.
Ion-erosion-induced pattern as template for layers with magnetic anisotropy and coupling
MRS 2009 Fall Meeting, Symposium "Nanoscale Pattern Formation" 30.11.-4.12.2009, Boston MA, USA
10. Gemming, S.
First-principles investigation of metal/oxide contacts and related metal/group-IV interfaces
CECAM-Workshop on Metal-Ceramic Interfaces, 20.-22.07.2009, Zürich, Switzerland
11. Heinig, K.-H.
Fundamentals of ion beam synthesis of nanostructures
12. **Formation of nanodots, nanowires, wormholes etc. driven by capillary forces-reaction pathways predicted by atomistic simulations**
13. **Spontaneous formation of regular nanopattern on surfaces during thin film deposition and ion beam erosion**
3 Talks given at Winter School on Nanoelectronics and Nanophotonics, 19.-25.01.2009, Ankara, Turkey
14. Heinig, K.-H.; Beyer, V.; Schmidt, B.; Stegemann, K.-H.
Novel LEFET with two self-aligned Si nanocrystal layers
Workshop on Nanoelectronics and Nanophotonics, 26.-28.01.2009, Ankara, Turkey
15. Heinig, K.-H.; Liedke, B.; Numazawa, S.; Ranjan, M.; Möller, W.; Facsko, S.
Ion-beam-assisted nanostructure formation - Atomistic reaction pathways
International Conference on Ion-Surface Interactions 2009, 21.-25.08.2009, Zvenigorod, Russia
16. Heinig, K.-H.; Schmidt, B.; Vredenberg, A.; Polman, A.; Toulemonde, M.
Shaping of Au and Ge nanoparticles in SiO_2 with swift heavy ions
International Workshop on Nanostructures in Silica, 6.-9.09.2009, Ivalo, Finland

17. Kosmata, M.; Gröttschel, R.; Munnik, F.; Vieluf, M.; Möller, W.
Quantitative ion beam analysis of ultra thin films with magnetic spectrometers using heavy MeV ions
5th International Workshop on High-Resolution Depth Profiling, 15.-19.11.2009, Kyoto, Japan
18. Leiderer, P.; Erbe, A.
Colloids: Mesoscopic model systems of matter on a nano scale
Juelich Soft Matter Days 2009, 10.-13.11.2009, Bonn, Germany
19. Lorenz, K.; Magalhães, S.; Franco, N.; Darakchieva, V.; Barradas, N. P.; Alves, E.; Pereira, S.; Correia, M. R.; Munnik, F.; Martin, R. W.; O'Donnell, K. P.; Watson, I. M.
Al_{1-x}In_xN/GaN bilayers: Structure, morphology and optical properties
International Conference on Nitride Semiconductors, 18.-23.10.2009, JeJu, South Korea
20. McCord, J.; Hamann, C.; Martin, N.; Mönch, I.; Kaltofen, R.; Schultz, L.; Strache, T.; Faßbender, J.; Mattheis, R.
Static and dynamic magnetization processes in magnetic property patterned thin films
International Magnetism Conference, 4.-8.05.2009, Sacramento, USA
21. McCord, J.; Faßbender, J.
Designing soft magnetic materials by ion irradiation
18th International Materials Research Congress, 16.-20.08.2009, Cancun, Mexiko
22. Posselt, M.; Wündisch, C.; Schmidt, B.; Schumann, T.; Mücklich, A.; Skorupa, W.; Clarysse, T.; Simoen, E.; Hortenbach, H.
Millisecond flash lamp annealing of ultra-shallow implanted layers in Ge
216th Meeting of the Electrochemical Society, Symposium "ULSI Process Integration", 4.-9.10.2009, Vienna, Austria
23. Schneider, H.; Liu, H. C.; Maier, T.; Walther, M.
Two-photon photocurrent spectroscopy of quantum well intersubband relaxation and dephasing
SPIE Photonics West, 24.-29.01.2009, San Jose CA, USA
24. Schneider, H.; Liu, H. C.; Winnerl, S.; Drachenko, O.; Helm, M.; Walther, M.; Faist, J.
Resonant two-photon transitions, quadratic detection, and photocurrent autocorrelation using multiple quantum wells
SPIE Photonics West, 24.-29.01.2009, San Jose CA, USA
25. Schneider, H.
Quantum well infrared photodetectors for dual-band thermal imaging and two-photon detection
3rd International Symposium on Photoelectronic Detection and Imaging, 17.-19.06.2009, Beijing, China
26. Schneider, H.; Winnerl, S.; Drachenko, O.; Helm, M.; Liu, H. C.; Song, C.; Maier, T.; Walther, M.; Faist, J.
Two-photon intersubband transition physics and detectors
10th International Conference on Intersubband Transitions in Quantum Wells, 6.-11.09.2009, Montréal, Canada
27. Skorupa, W.
Nanostructuring of semiconductors with ion beams
LENS 2009 Summer School, 11.-14.06.2009, Reykjavik, Iceland
28. Skorupa, W.
Advances in Si & Ge millisecond processing: From silicon-on-insulator to superconducting Ge
17th IEEE International Conference on Advanced Thermal Processing of Semiconductors, 29.09.-2.10.2009, Albany NY, USA
29. Sort, J.; Menendez, E.; Varea, A.; Pi, F.; Surinach, S.; Baro, M. D.; Nogues, J.
Nanoscale magnetic lithography on FeAl alloys by ion irradiation and nanoindentation
International Conference on Advanced Materials, 20.-25.09.2009, Rio de Janeiro, Brazil
30. Stehr, D.; Wagner, M.; Schneider, H.; Helm, M.; Andrews, A. M.; Roch, T.; Strasser, G.
Two color pump-probe studies of intraminiband relaxation in doped GaAs/AlGaAs superlattices
SPIE Photonics West, 24.-29.01.2009, San Jose CA, USA
31. Vinnichenko, M.; Cornelius, S.; Rogozin, A.; Shevchenko, N.; Gago, R.; Kolitsch, A.; Möller, W.
Properties of transparent conductive oxides deposited by magnetron sputtering
16th International Summer School on Vacuum, Electron and Ion Technologies, 28.09.-2.10.2009, Sunny Beach, Bulgaria
32. Zhou, S.
Transition metal implanted ZnO: A correlation between structure and magnetism
Thyssen Krupp Electrical Steel Dissertationspreis der AG Magnetismus, Frühjahrstagung der Deutschen Physikalischen Gesellschaft, 22.-27.03.2009, Dresden, Germany