

Daniel Clemens - Publication List

- **X-ray Scattering by Black Foam Films: New Data Analysis**
D. Platikanov, H.A. Graf, A. Weiss, D. Clemens, *Colloid and Polymer Science* **271**, 106 (1993)
- **Structure, Roughness and Magnetization Behaviour of Triode Sputtered $Co_{11}Fe_{89}$ -Si-Multilayers**
D. Clemens, Th. Krist, P. Schubert-Bischoff, J. Hoffmann and F. Mezei; *Physica Scripta* **50**, 195 (1994)
- **Polarizing $Ti_{1-u}X_u/Fe_xCo_yV_z$ Supermirrors**
D. Clemens, P. Böni, H.P. Friedli, R. Göttel, C. Fermon, H. Grimmer, H. Van Swygenhoven, J. Archer, F. Klose, Th. Krist, F. Mezei, P. Thomas and H. Toews; *Physica B* **213 & 214**, 942 (1995)
- **Morphology of Glass Surfaces: Influence on the Performance of Supermirrors**
P. Böni, D. Clemens, H. Grimmer, and H. Van Swygenhoven, 'Proceedings of ICANS-XIII and ESS-PM4, Vol. 1, 279-287, ed. G. S. Bauer and R. Bercher, (PSI-Proc. 95-02, ISSN 1019-6447, 1995)
- **Remanent Multilayers for Polarized Neutron Instrumentation**
D. Clemens, W. Hahn, A. Vananti, P. Schubert-Bischoff, P. Böni, and M. Horisberger, Proceedings of ICANS-XIII and ESS-PM4, Vol. 1, 312-320, ed. G. S. Bauer and R. Bercher, (PSI-Proc. 95-02, ISSN 1019-6447, 1995)
- **Structural and Chemical Characterisation of Ni/Ti Multilayers with TEM**
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- **Conceptional Design of a Flexible Neutron Reflectometer at SINQ**
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- **The Neutron Reflectometer at SINQ**
D. Clemens in A.Furrer (Ed): New Instruments and Science around SINQ, p. 65-77, PSI Proc. 96-02, ISSN 1019-6447
- **Magnetic In-plane Anisotropy in Sputtered FeCo Films and Multilayers**
D. Clemens, A. Vananti, C. Terrier, P. Böni, B. Schnyder, S. Tixier and M. Horisberger; *Physica B* **234-236**, 500 (1997)
- **Applications of Supermirrors in Neutron Scattering**
P. Böni, D. Clemens, M. Senthil Kumar, and S. Tixier, IAEA Technical Committee Meeting on Neutron Beam Research, 10-12 September 1997, Proceedings ITN, Lisboa, Portugal, 150-158 (1997)
- **Mechanical and structural properties of Ni/Ti multilayers and films: An application to neutron supermirrors**
M. Senthil Kumar, P. Boni, D. Clemens; *Journal of Applied Physics* (15 Dec. 1998) vol.84, no.12, p.6940-2.
- **X-ray reflectivity of multilayer mirrors for the water window**
H. Grimmer, P. Boeni, U. Breitmeier, D. Clemens, M. Horisberger, H.-C. Mertins, F. Schaefer, *Thin Solid Films* (29 April 1998) vol.319, no.1-2, p.73-7. 4 refs.

- **W/C, W/Ti, Ni/Ti and Ni/V multilayers for the soft-X-ray range: experimental investigation with synchrotron radiation.**
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- **Experimental Multilayer Survey in the VUV**
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- **Stress Minimisation in Sputtered Ni/Ti Supermirrors**
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- **Stress-induced anisotropy in $\text{Fe}_{0.50}\text{Co}_{0.48}\text{V}_{0.02}$ coatings for neutron beam polarization**
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- **Improvements to the Polarised-Neutron Reflectometer CRISP**
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- **Challenges in the Field of Large- m Supermirrors**
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- **Neutron Reflectometry: Technique and Applications**
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- **Interface roughness in Ni/Ti multilayers as probed by neutrons**
M. Senthil Kumar, P. Boni, D. Clemens, *Physica B* (March 2000) vol.276-278, p.142-3
- **Absorption layers for supermirror polarizers**
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- **On the use of a multilayer monochromator in neutron reflectometry**
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- **A Remanent Transmission Neutron Polarizer**
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- **A remanent Fe/Si supermirror transmission polarizer**
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- **MC Simulations of a New Beam Line at the Hahn-Meitner-Institut supplied by a Multi-spectral Beam Extraction System.**
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- **Small Angle Neutron Scattering Investigations (SANS) of Polyelectrolyte Multilayer Capsules Templated on Human Red Blood Cells.**
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- **Square single-wire detectors for neutron diffraction studies**
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- **Multiple Scale Reorganization of Electrostatic Complexes of Poly(styrenesulfonate) and Lysozyme**
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- **Lipid multilayered particles: the role of chitosan on structure and morphology**
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- **Correlating pore size and shape to local disorder in microporous carbon: A combined small angle neutron and X-ray scattering study**
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