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Publications

The magnetic field strength and the force distance dependency of the magnetically controlled growing rods used for early onset scoliosis

Diekhöner, L., Meyer, C. S. & Eiskjær, S. P., 21 Feb 2023, In: *Scientific Reports*. 13, 1, 3045.

From self-assembly to metal-organic coordination: Trimesic acid on Ag(111)

Diekhöner, L., Babiloniai, M. S., Kiel, S. & Gastaldo, M., 2016.

Lifetime of spin-polarized surface state electrons

Diekhöner, L., Vogelgesang, R., Wahl, P., Schneider, M. A. & Kern, K., 2006, *Symposium on Surface Science 2006*. Aumayr, F. & Varga, P. (eds.). Institut für Allgemeine Physik, Technische Universität Wien, p. 36-37 2 p.

Spin polarized surface states of cobalt nanoislands on Cu(111)

Diekhöner, L., Schneider, M. A., Wahl, P., Baranov, A. N., Stepanyuk, V. S., Bruno, P. & Kern, K., 2003, *AIP Conference Proceedings 696: 12th International Conference on Scanning Tunneling Microscopy/Spectroscopy and Related Techniques*. 53 ed. p. 53-59 7 p.

Surface states of cobalt nanoislands on Cu(111)

Diekhöner, L., Schneider, M. A., Baranov, A. N., Stepanyuk, V. S., Bruno, P. & Kern, K., 2003, In: *Physical Review Letters*. 90, p. 236801-

Indirect evidence for strong non-adiabatic coupling in N₂ associative desorption from and dissociative adsorption on Ru(0001)

Diekhöner, L., Hornekær, L., Mortensen, H., Jensen, E., Baurichter, A., Petrunin, V. V. & Luntz, A. C., 2002, In: *Journal of Chemical Physics*. 117, 10, p. 5018-5030

Dynamic displacement of N₂ from Ru(0001) by incident D and H atoms

Diekhöner, L., Mortensen, H., Åkerlund, C., Baurichter, A. & Luntz, A. C., 2001, In: *Journal of Chemical Physics*. 114, p. 4215-4220

Laser Assisted Associative Desorption of N₂ and CO from Ru(0001)

Diekhöner, L., Mortensen, H., Baurichter, A. & Luntz, A. C., 2001, In: *Journal of Chemical Physics*. 115, p. 3356-3373

N₂ dissociative adsorption on Ru(0001): the role of energy loss

Diekhöner, L., Mortensen, H., Baurichter, A., Jensen, E., Petrunin, V. V. & Luntz, A. C., 2001, In: *Journal of Chemical Physics*. 115, p. 9028-9035

Observation of metastable atomic nitrogen adsorbed on Ru(0001)

Diekhöner, L., Baurichter, A., Mortensen, H. & Luntz, A. C., 1 Feb 2000, In: Journal of Chemical Physics. 112, 5, p. 2507-2515

Coverage dependence of activation barriers: Nitrogen on Ru(0001)

Diekhöner, L., Mortensen, H., Baurichter, A. & Luntz, A. C., 2000, In: Journal of Vacuum Science & Technology. A: International Journal Devoted to Vacuum, Surfaces, and Films. 18, 4, p. 1509-1513

Dynamics of High Barrier Gas-surface Reactions studied by Laser Assisted Associative Desorption

Diekhöner, L., 2000, SDU-Odense Universitet: Fysisk Institut.

Dynamics of high barrier surface reactions: Laser Assisted Associative Desorption of N₂ from Ru(0001)

Diekhöner, L., Baurichter, A., Mortensen, H., Luntz, A. C. & Hammer, B., 2000, In: Physical Review Letters. 84, 21, p. 4906-4909

Parallel pathways in methanol decomposition on Pt(111)

Diekhöner, L., Butler, D. A., Baurichter, A. & Luntz, A. C., 1998, In: Surface Science. 409, p. 384-391

Press clippings

An extended chiral surface coordination network based on Ag₇-clusters

Svane, K. L., Babiloniaei, M. S., Hammer, B. & Diekhöner, L.

18/10/2018

1 item of Media coverage

Debat: Skabeloner til fremtidens elektronik

Diekhöner, L.

15/10/2024

1 Media contribution

Hvordan kan man afskærme magnetfelter?

Diekhöner, L.

15/12/2013

1 item of Media coverage

Aalborg-forskere kaster nyt lys over koboltatomer

Diekhöner, L.

09/09/2011

2 items of Media coverage