

Selected Publications 2007

Belle, B. D.; Schedin, F.; Pilet, N.; Ashworth, T. V.; Hill, E. W.; Nutter, P. W.; Hug, H. J.; Miles, J. J. High resolution magnetic force microscopy study of e-beam lithography patterned Co/Pt nanodots. *J. Appl. Phys.* 2007, 101 (9), 09F517 (3 pp.). <https://doi.org/10.1063/1.2713429>

Hoffmann, R.; Baratoff, A.; Hug, H. J.; Hidber, H. R.; v. Löhneysen, H.; Güntherodt, H. J. Mechanical manifestations of rare atomic jumps in dynamic force microscopy. *Nanotechnology* 2007, 18 (39), 395503 (9 pp.). <https://doi.org/10.1088/0957-4484/18/39/395503>

Pilet, N.; Ashworth, T. V.; Marioni, M. A.; Hug, H. J.; Zhang, K.; Lieb, K. P. Effect of ion irradiation on domain nucleation and wall motion in Ni films. *J. Magn. Magn. Mater.* 2007, 316 (2), e583-e586. <https://doi.org/10.1016/j.jmmm.2007.03.214>

Singh, A.; Sürgers, C.; Hoffmann, R.; v. Löhneysen, H.; Ashworth, T. V.; Pilet, N.; Hug, H. J. Spin-polarized current versus stray field in a perpendicularly magnetized superconducting spin switch. *Appl. Phys. Lett.* 2007, 91 (15), 152504 (3 pp.). <https://doi.org/10.1063/1.2794424>

Zhang, K.; Lieb, K. P.; Merkel, D. G.; Uhrmacher, M.; Pilet, N.; Ashworth, T. V.; Hug, H. J. Ion-induced magnetic texturing of Ni films: domain structure and strain. *Nucl. Instrum. Methods Phys. Res. B* 2007, 257 (1-2), 379-382. <https://doi.org/10.1016/j.nimb.2007.01.032>