

Publications 2022

Feng, Y.; Mirzadeh, P.; Vranjkovic, S.; Penedo, M.; Kappenberger, P.; Schwenk, J.; Zhao, X.; Mandru, A.-O.; and Hug, H. J.. *Magnetic Force Microscopy Contrast Formation and Field Sensitivity*. Journal of Magnetism and Magnetic Materials, 551 (2022) 169073. <https://doi.org/10.1016/j.jmmm.2022.169073>

Yildirim, O.; Marioni, M. A.; Falub, C. V.; Rohrmann, H.; Jaeger, D.; Rechsteiner, M.; Schneider, D.; and Hug, H. J.. *Tuning the perpendicular magnetic anisotropy in Co/Pt multilayers grown by facing target sputtering and conventional sputtering*. Scripta Materialia, 207, (2022) 114285 (4 pp.). <https://doi.org/10.1016/j.scriptamat.2021.114285>

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Feng, Y.; Mandru, A. -O.; Yildirim, O.; and Hug, H. J.. *Quantitative magnetic force microscopy: Transfer-function method revisited*. Physical Review Applied, 18, 024016, 2022. <https://doi.org/10.1103/PhysRevApplied.18.024016>

Hao, L.; Ahmed, Z.; Vranjkovic, S.; Parschau, M.; Mandru, A.-O.; and Hug, H. J.. *A cantilever-based, ultra-high vacuum, low temperature scanning probe instrument for multidimensional scanning force microscopy*. Beilstein J. Nanotechnol., 13, 1120-1140. <https://doi.org/10.3762/bjnano.13.95>