

Selected Publications 2018

Penedo, M.; Hug, H. J. Off-resonance intermittent contact mode multi-harmonic scanning force microscopy. *Appl. Phys. Lett.* 2018, 113 (2), 023103 (5 pp.). <https://doi.org/10.1063/1.5026657>

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Penedo, M.; Marioni, M. A.; Baćani, M.; Schwenk, J.; Hug, H. J. Halbach effect at the nanoscale from chiral spin textures. *Nano Lett.* 2018, 18 (4), 2263-2267. <https://doi.org/10.1021/acs.nanolett.7b04802>

Trant, M.; Fischer, M.; Thorwarth, K.; Gauter, S.; Patscheider, J.; Hug, H. J. Tunable ion flux density and its impact on AlN thin films deposited in a confocal DC magnetron sputtering system. *Surf. Coat. Technol.* 2018, 348, 159-167. <https://doi.org/10.1016/j.surfcoat.2018.04.091>

Kawecki, M.; Hany, R.; Diethelm, M.; Jenatsch, S.; Grossmann, Q.; Bernard, L.; Hug, H. J. Direct measurement of ion redistribution and resulting modification of chemical equilibria in polymer thin film light-emitting electrochemical cells. *ACS Appl. Mater. Interfaces* 2018, 10 (45), 39100-39106. <https://doi.org/10.1021/acsami.8b14198>

Zhao, X.; Schwenk, J.; Mandru, A. O.; Penedo, M.; Baćani, M.; Marioni, M. A.; Hug, H. J. Magnetic force microscopy with frequency-modulated capacitive tip-sample distance control. *New J. Phys.* 2018, 20, 013018 (11 pp.). <https://doi.org/10.1088/1367-2630/aa9ca9>