EURAMET EMPR EXL04 Project
'Spintronics and spin-caloritronics in magnetic nanosystems'
List of joint publications

2018-11-28

The 12 joint publications from the SpinCal project are:

H. Corte-León, A. Beguivin, P. Krzysteczko, H. W. Schumacher, A. Manzin, R. P. Cowburn, V. Antonov and O. Kazakova: Influence of geometry on domain wall dynamics in permalloy nanodevices, IEEE Transactions on Magnetics 51, 4001304 (2015) IF* 1.213

H. Corte-León, P. Krzysteczko, H. W. Schumacher, A. Manzin, V. Antonov and O. Kazakova: Tailoring of domain wall devices for sensing applications, IEEE Transactions on Magnetics 50, 7101004 (2014) IF 1.213

H. Corte-León, V. Nabaei, A. Manzin, J. Fletcher, P. Krzysteczko, H. W. Schumacher and O. Kazakova: Anisotropic Magnetoresistance State Space of Permalloy Nanowires with Domain Wall Pinning Geometry, Scientific Reports 4, 6045 (2014) IF 4.122

N. Tesarová, D. Butkovicova, R. P. Campion, A. W. Rushforth, K. W. Edmonds, P. Wadley, B. L. Gallagher, E. Schmoranzerová, F. Trojanek, P. Maly, P. Motloch, V. Novak, T. Jungwirth, and P. Nemec: Comparison of micromagnetic parameters of the ferromagnetic semiconductors (Ga,Mn)(As,P) and (Ga,Mn)As, Physical Review B 90, 155203 (2014) IF 3.836

A. J. Ramsay, P. E. Roy, J. A. Haigh, R. M. Otxoa, A. C. Irvine, T. Janda, R. P. Campion, B. L. Gallagher, J. Wunderlich: Optical spin transfer torque driven domain wall motion in ferromagnetic semiconductor, **Physical Review Letters** 114, 067202 (2015) IF 8.839

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H. Corte-León, P. Krzysteczko, H. W. Schumacher, A. Manzin, D. Cox, V. Antonov, and O. Kazakova: Magnetic nanoparticle detection using domain wall-based nanosensor, Journal of Applied Physics 117, 17E313 (2015) IF 2.176

H. Corte-León, B. Gribkov, P. Krzysteczko, F. Marchi, J.-F. Motte, H. W. Schumacher, V. Antonov, N. M. Dempsey, and O. Kazakova: Magnetic scanning gate microscopy of a domain wall nanosensor using microparticle probe, Journal of Magnetism and Magnetic Materials 400, 15 (2016) IF 3.046

H. Corte-León, P. Krzysteczko, F. Marchi, J-F. Motte, A. Manzin, H. W. Schumacher, V. Antonov, and O. Kazakova: Detection of a magnetic bead by hybrid nanodevices using scanning gate microscopy, AIP Advances 6, 056502 (2016) IF 1.568

J. Wells, P. Krzysteczko, A. Caprile, B. Gribkov, H.W. Schumacher, J.H. Lee, R. Cowburn, O. Kazakova: Magnetic particle nanosensing by nucleation of domain walls in ultra-thin CoFeB/Pt devices, IEEE Transactions on Magnetics 52, 4001705 (2016) IF 1.213

A. Caprile, A. Manzin, M. Coisson, M. Pasquale, H. W. Schumacher, N. Liebing, S. Sievers, R. Ferreira, S. Serrano-Guisan and E. Paz: Static and dynamic analysis of magnetic tunnel junctions with wedged MgO barrier, IEEE Transactions on Magnetics 51, 4400304 (2015) IF 1.213

*IF = Journal Impact Factor

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