

List of Publications 2014

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- [1] A. Audouard, L. Drigo, F. Duc, X. Fabrèges, L. Bosseaux, and P. Toulemonde, “Tunnel diode oscillator measurements of the upper critical magnetic field of $\text{FeTe}_{0.5}\text{Se}_{0.5}$,” *Journal of Physics: Condensed Matter* **26**, 185701 (2014).
- [2] R. Bhatia, J. Galibert, and R. Menon, “Magnetic field induced delocalization in multi-wall carbon nanotube-polystyrene composite at high fields,” *Carbon* **69**, 372–378 (2014).
- [3] A. Cadène, P. Berceau, M. Fouché, R. Battesti, and C. Rizzo, “Vacuum magnetic linear birefringence using pulsed fields: status of the BMV experiment,” *The European Physical Journal D* **68**, 1–7 (2014).
- [4] P. Coddet, C. Verdy, C. Coddet, F. Lecouturier, and F. Debray, “Comparison of the Properties of Cold-Sprayed Cu-0.5Cr-0.05Zr Alloys after Various Heat Treatments Versus Forged and Vacuum Plasma-Sprayed Alloys,” *Journal of Thermal Spray Technology* **23**, 486–491 (2014).
- [5] M. Donaire, G. L. J. A. Rikken, and B. A. van Tiggelen, “A single-oscillator quantum model for magnetochiral birefringence,” *European Physical Journal D* **68**, 33 (2014).
- [6] F. Duc, X. Fabrèges, T. Roth, C. Detlefs, P. Frings, M. Nardone, J. Billette, M. Lesourd, L. Zhang, A. Zitouni, P. Delescluse, J. Béard, J. P. Nicolin, and G. L. J. A. Rikken, “A 31 T split-pair pulsed magnet for single crystal x-ray diffraction at low temperature,” *Review of Scientific Instruments* **85**, 053905 (2014).
- [7] M.F. Gonzalez-Zalba, J. Galibert, F. Iacovella, D. Williams, and T. Ferrus, “Evidence of magnetic field quenching of phosphorous-doped silicon quantum dots,” *Current Applied Physics* **14**, Supplement 1, S115 – S118 (2014), the 16th International Symposium on the Physics of Semiconductors and Applications (ISPSA 2013).
- [8] G. Grissonnanche, O. Cyr-Choinière, F. Laliberté, S. René de Cotret, A. Juneau-Fecteau, S. Dufour-Beauséjour, M. E. Delage, D. LeBoeuf, J. Chang, B. J. Ramshaw, D. A. Bonn, W. N. Hardy, R. Liang, S. Adachi, N. E. Hussey, B. Vignolle, C. Proust, M. Sutherland, S. Krämer, J. H. Park, D. Graf, N. Doiron-Leyraud, and Louis Taillefer, “Direct measurement of the upper critical field in cuprate superconductors,” *Nature Communication* **5**, 3280 (2014).
- [9] B. Jabakhanji, A. Michon, C. Consejo, W. Desrat, M. Portail, A. Tiberj, M. Paillet, A. Zahab, F. Cheynis, F. Lafont, F. Schopfer, W. Poirier, F. Bertran, P. Le Fevre, A. Taleb-Ibrahimi, D. Kazazis, W. Escoffier, B. C. Camargo, Y. Kopelevich, J. Camassel, and B. Jouault, “Tuning the transport properties of graphene films grown by CVD on SiC(0001): Effect of in situ hydrogenation and annealing,” *Physical Review B* **89**, 085422 (2014).
- [10] J. Jadcak, P. Plochocka, A. Mitioglu, I. Breslavetz, M. Royo, A. Bertoni, G. Goldoni, T. Smolenski, P. Kossacki, A. Kretinin, Hadas Shtrikman, and D. K. Maude, “Unintentional High-Density p-Type Modulation Doping of a GaAs/AlAs Core-Multishell Nanowire,” *Nano Letters* **14**, 2807–2814 (2014).
- [11] A. Loubat, M. Impéror-Clerc, B. Pansu, F. Meneau, B. Raquet, G. Viau, and L.-M. Lacroix, “Growth and Self-Assembly of Ultrathin Au Nanowires into Expanded Hexagonal Superlattice Studied by in Situ SAXS,” *Langmuir* **30**, 4005–4012 (2014).
- [12] M. R. Norman and C. Proust, “Focus on fermiology of the cuprates,” *New Journal of Physics* **16**, 045004 (2014).
- [13] M. L. Peres, H. S. Monteiro, V. A. Chitta, S. de Castro, U. A. Mengui, P. H. O. Rappl, N. F. Oliveira, E. Abramof, and D. K. Maude, “Experimental investigation of spin-orbit coupling in n-type PbTe quantum wells,” *Journal of Applied Physics* **115**, 093704 (2014).
- [14] G. W. Scheerer, W. Knafo, D. Aoki, M. Nardone, A. Zitouni, J. Béard, J. Billette, J. Barata, C. Jaudet, M. Suleiman, P. Frings, L. Drigo, A. Audouard, T. D. Matsuda, A. Pourret, G. Knebel, and J. Flouquet, “Fermi surface in the hidden-order state of URu_2Si_2 under intense pulsed magnetic fields up to 81 T,” *Physical Review B* **89**, 165107 (2014).
- [15] A. Simons, A. Gerber, I. Ya. Korenblit, A. Suslov, B. Raquet, M. Passacantando, L. Ottaviano, G. Impellizzeri, and B. Aronson, “Components of strong magnetoresistance in Mn implanted Ge,” *Journal of Applied Physics* **115**, 093703 (2014).
- [16] F. Vigneau, V. Prudkovkiy, I. Duchemin, W. Escoffier, P. Caroff, Y.-M. Niquet, R. Leturcq, M. Goiran, and B. Raquet, “Magnetotransport Subband Spectroscopy in InAs Nanowires,” *Physical Review Letters* **112**, 076801 (2014).
- [17] S. Yang, F. Pop, C. Melan, A. C. Brooks, L. Martin, P. Horton, P. Auban-Senzier, G. L. J. A. Rikken, N. Avarvari, and J. D. Wallis, “Charge transfer complexes and radical cation salts of chiral methylated organosulfur donors,” *CrystEngComm* **16**, 3906–3916 (2014).