

List of Publications 2016

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- [1] A. Akrap, M. Haki, S. Tchoumakov, I. Crassee, J. Kuba, M. O. Goerbig, C. C. Homes, O. Caha, J. Novák, F. Teppe, W. Desrat, S. Koochpayeh, L. Wu, N. P. Armitage, A. Nateprov, E. Arushanov, Q. D. Gibson, R. J. Cava, D. van der Marel, B. A. Piot, C. Faugeras, G. Martinez, M. Potemski, and M. Orlita, “Magneto-Optical Signature of Massless Kane Electrons in Cd_3As_2 ,” *Physical Review Letters* **117**, 136401 (2016).
 - [2] J. A. Alexander-Webber, J. Huang, D. K. Maude, T. J. B. M. Janssen, A. Tzalenchuk, V. Antonov, T. Yager, S. Lara-Avila, S. Kubatkin, R. Yakimova, and R. J. Nicholas, “Giant quantum Hall plateaus generated by charge transfer in epitaxial graphene,” *Scientific Reports* **6**, 30296 (2016).
 - [3] S. Anghel, Yu. Chumakov, A. Colev, V. Kravtsov, L. Kulyuk, C. Mamaliga, A. Mitioglu, K. Sushkevich, and G. Volodina, “Excitonic Luminescence, X-ray Analysis and Local Band Structure of Chlorine Intercalated 2H- and 3R-MoS₂ Polytypes,” in *3rd International Conference on Nanotechnologies and Biomedical Engineering: ICNMBE-2015, September 23-26, 2015, Chisinau, Republic of Moldova*, edited by Victor Sontea and Ion Tiginyanu (Springer Singapore, Singapore, 2016) pp. 192–195.
 - [4] S. Anghel, Yu. Chumakov, V. Kravtsov, G. Volodina, A. Mitioglu, P. Plochocka, K. Sushkevich, E. Mishina, and L. Kulyuk, “Site-selective luminescence spectroscopy of bound excitons and local band structure of chlorine intercalated 2H- and 3R-MoS₂ polytypes,” *Journal of Luminescence* **177**, 331–336 (2016).
 - [5] D. Aoki, G. Seyfarth, A. Pourret, A. Gourgout, A. McCollam, J. A. N. Bruin, Y. Krupko, and I. Sheikin, “Field-Induced Lifshitz Transition without Metamagnetism in CeIrIn_5 ,” *Physical Review Letters* **116**, 037202 (2016).
 - [6] E. Arimondo, D. Ciampini, and C. Rizzo, “Spectroscopy of Natural and Artificial Atoms in Magnetic Fields,” *Advances In Atomic, Molecular, and Optical Physics* **65**, 1 – 66 (2016).
 - [7] Claire Arnaud, Florence Lecouturier, David Mesguich, Nelson Ferreira, Geoffroy Chevallier, Claude Estournès, Alicia Weibel, and Christophe Laurent, “High strength - High conductivity double-walled carbon nanotube - Copper composite wires,” *Carbon* **96**, 212 (2016).
 - [8] Claire Arnaud, Florence Lecouturier, David Mesguich, Nelson Ferreira, Geoffroy Chevallier, Claude Estournès, Alicia Weibel, Alain Peigney, and Christophe Laurent, “High strength-high conductivity nanostructured copper wires prepared by spark plasma sintering and room-temperature severe plastic deformation,” *Materials Science and Engineering: A* **649**, 209 (2016).
 - [9] Ashish Arora, Robert Schmidt, Robert Schneider, Maciej R. Molas, Ivan Breslavetz, Marek Potemski, and Rudolf Bratschitsch, “Valley Zeeman Splitting and Valley Polarization of Neutral and Charged Excitons in Monolayer MoTe_2 at High Magnetic Fields,” *Nano Letters* **16**, 3624–3629 (2016).
 - [10] Alain Audouard, Jean-Yves Fortin, David Vignolles, Vladimir N Laukhin, Nataliya D Kushch, and Eduard B Yagubskii, “New insights on frequency combinations and forbidden frequencies in the de Haas-van Alphen spectrum of κ -(ET)₂ $\text{Cu}(\text{SCN})_2$,” *Journal of Physics: Condensed Matter* **28**, 275702 (2016).
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 - [12] S. Badoux, S. A. A. Afshar, B. Michon, A. Ouellet, S. Fortier, D. LeBoeuf, T. P. Croft, C. Lester, S. M. Hayden, H. Takagi, K. Yamada, D. Graf, N. Doiron-Leyraud, and Louis Taillefer, “Critical Doping for the Onset of Fermi-Surface Reconstruction by Charge-Density-Wave Order in the Cuprate Superconductor $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$,” *Physical Review X* **6**, 021004 (2016).
 - [13] S. Badoux, W. Tabis, F. Laliberté, G. Grissonnache, B. Vignolle, D. Vignolles, J. Béard, D. A. Bonn, W. N. Hardy, R. Liang, N. Doiron-Leyraud, Louis Taillefer, and Cyril Proust, “Change of carrier density at the pseudogap critical point of a cuprate superconductor,” *Nature* **531**, 210–214 (2016).
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