

## List of Publications 2015

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- [1] Fatemeh Adelnia, Alessandro Chiesa, Sara Bordignon, Stefano Carretta, Alberto Ghirri, Andrea Candini, Christian Cervetti, Marco Evangelisti, Marco Affronte, Ilya Sheikin, Richard Winpenny, Grigore Timco, Ferdinando Borsa, and Alessandro Lascialfari, "Low temperature magnetic properties and spin dynamics in single crystals of  $\text{Cr}_8\text{Zn}$  antiferromagnetic molecular rings," *The Journal of Chemical Physics* **143**, 244321 (2015).
  - [2] 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), published online 18 September 2015.
  - [3] 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), published online 3 October 2015.
  - [4] Claire Arnaud, Charles Manière, Geoffroy Chevallier, Claude Estournès, Ronan Mainguy, Florence Lecouturier, David Mesguich, Alicia Weibel, Lise Durand, and Christophe Laurent, "Dog-bone copper specimens prepared by one-step spark plasma sintering," *Journal of Materials Science* **50**, 7364 (2015).
  - [5] Ashish Arora, Maciej Koperski, Karol Nogajewski, Jacques Marcus, Clement Faugeras, and Marek Potemski, "Excitonic resonances in thin films of  $\text{WSe}_2$ : from monolayer to bulk material," *Nanoscale* **7**, 10421 (2015).
  - [6] Ashish Arora, Karol Nogajewski, Maciej Molas, Maciej Koperski, and Marek Potemski, "Exciton band structure in layered  $\text{MoSe}_2$ : from a monolayer to the bulk limit," *Nanoscale* **7**, 20769 (2015).
  - [7] Alain Audouard, Fabienne Duc, Loic Drigo, Pierre Toulemonde, Sandra Karlsson, Pierre Strobel, and Andre Sulpice, "Quantum oscillations and upper critical magnetic field of the iron-based superconductor  $\text{FeSe}$ ," *EPL (Europhysics Letters)* **109**, 27003 (2015).
  - [8] Alain Audouard, Jean-Yves Fortin, David Vignolles, Rustem B Lyubovskii, Loic Drigo, Gena V Shilov, Fabienne Duc, Elena I Zhilyaeva, Rimma N Lyubovskaya, and Enric Canadell, "Non-Lifshitz Kosevich field- and temperature-dependent amplitude of quantum oscillations in the quasi-two dimensional metal  $\theta$ - $(\text{ET})_4\text{ZnBr}_4$  ( $\text{C}_6\text{H}_4\text{Cl}_2$ )," *Journal of Physics: Condensed Matter* **27**, 315601 (2015).
  - [9] Nathaniel T. Baker, Alban Pothérat, and Laurent Davoust, "Dimensionality, secondary flows and helicity in low-Rm MHD vortices," *Journal of Fluid Mechanics* **779**, 325 (2015).
  - [10] R. Ballou, G. Deferne, M. Finger, M. Finger, L. Flekova, J. Hosek, S. Kunc, K. Macuchova, K. A. Meissner, P. Pognat, M. Schott, A. Siemko, M. Slunicka, M. Sulc, C. Weinsheimer, and J. Zicha (OSQAR Collaboration), "New exclusion limits on scalar and pseudoscalar axionlike particles from light shining through a wall," *Physical Review D* **92**, 092002 (2015).
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