

# KIMBERLY A. MODIC

## PUBLICATIONS

'Single reconstructed Fermi surface pocket in the pseudo gap regime of a single layer cuprate superconductor'. M.K. Chan, N. Harrison, R.D. McDonald, B.J. Ramshaw, **K.A. Modic**, N. Barisic, M. Greven, . Submitted to *Nature Communications*, December 2015.

'Magnetization of underdoped  $\text{YBa}_2\text{Cu}_3\text{O}_y$  above the irreversibility field'. Jing Fe Yu, B.J. Ramshaw, I. Kokanovic, **K.A. Modic**, N. Harrison, James Day, Ruining Liang, W.N. Hardy, D.A. Bonn, A McCollam, S.R. Julian, J.R. Cooper. *Physical Review B*, 92: 180509, November 2015

'Quantum oscillations suggest hidden quantum phase transition in the cuprate superconductor  $\text{Pr}_2\text{CuO}_{4\pm\delta}$ '. Nicholas P. Breznay, Ross D. McDonald, Yoshiharu Krockenberger, **K.A. Modic**, Zengwei Zhu, Ian M. Hayes, Nityan L. Nair, Toni Helm, Hiroshi Irie, Hideki Yamamoto, James G. Analytis. *arXiv:1510.04268v1*, October 2015

'Tunable excitonic insulator in quantum limit graphite'. Z. Zhu, R.D. McDonald, A. Shekhter, B.J. Ramshaw, **K.A. Modic**, F.F. Balakirev, N. Harrison. *arXiv:1508.03645v1*, August 2015

'Magnetic torque anomaly in the quantum limit of the Weyl semi-metal NbAs'. Philip J.W. Moll, Andrew C. Potter, Brad Ramshaw, **Kimberly Modic**, Scott Riggs, Bin Zen, Normal J. Ghimire, Eric D. Bauer, Robert Kealhofer, Nityan Nair, Filip Ronning, James G. Analytis. *arXiv:1507.06981*, July 2015

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'Thermoelectric Properties of Ho-doped  $\text{Bi}_{0.88}\text{Sb}_{0.12}$ '. K.C.Lukas, G.Joshi, **K. Modic**, Z. F. Ren, C. P. Opeil. *Journal of Materials Science*, 47(15): 5729, April 2012

'The effect of Ag concentration on the structural, electrical and thermal transport behavior of Pb:Te:Ag:Se mixtures and improvement of thermoelectric performance via Cu doping'. J. Capps, B. Ma, T. Drye, C. Nucklos, S. Lindsey, D. Rhodes, Q. Zhang, **K. Modic**, S. Cawthorne, F. Drymiotis. *Journal of Alloys and Compounds*, 509:1544, 2011.

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'Influence of Magnetic Fields on Structural Martensitic Transitions'. X-D. Yang, P.S. Riseborough, **K. A. Modic**, R. A. Fisher, C. P. Opeil, T. R. Finlayson, J. C. Cooley, J. L. Smith, P. A. Goddard, A. V. Silhanek, J. C. Lashley. *Philosophical Magazine*, 89(22-24): 2083, 2009