

Select Later Publications

G.C. DeFotis, M.G. Kim, Z.D. Reed, D.G. Chan, A.T. Hopkinson and Y. Matsuyama, “Composition-induced metamagnetism and static magnetic properties of $\text{Fe}_{1-x}\text{Ni}_x\text{Cl}_2 \cdot 2\text{H}_2\text{O}$ ”, Phys. Rev., B73, 214434, 10 pgs. (2006).

G.C. DeFotis, B.T. Wimberly, R.B. Jeffers, W.M. May and T.M. Owens, “Magnetic Behavior of Single Crystal $\text{Co}(\text{SCN})_2(\text{CH}_3\text{OH})_2$: Three-dimensional Ising Metamagnetism and Field-induced Spin Reorientations”, Phys. Rev. B76, 014419, 7 pgs. (2007).

G.C. DeFotis, R.A. Huddleston, B.R. Rothermel, J.H. Boyle, E.S. Vos, Y. Matsuyama, A.T. Hopkinson, T.M. Owens and W.M. May, “Dependence of the Magnetic Ordering Temperature on Dilution in a 3D-XY Insulating Ferromagnet”, J. Phys. Cond. Matt. 20, 135222, 5 pgs. (2008).

G.C. DeFotis, T.M. Owens, W.M. May, J.H. Boyle, E.S. Vos, Y. Matsuyama, A.T. Hopkinson, T.J. Wallin and E.A. Welshhans “Absence of Magnetic Ordering in Low Dimensional Mixed Magnetic $\text{Mn}_{1-x}\text{Ni}_x\text{Cl}_2 \cdot \text{H}_2\text{O}$ ”, J. Magn. Magn. Mater. 322, 1962-1968 (2010).

S. Pagola, K.T. Trowell, K.C. Havas, Z.D. Reed, D.G. Chan, M.J. Van Dongen, G.C. DeFotis, “Crystal Structures of Manganese and Cobalt Dichloride Monohydrate and Deuteration Effects on Magnetic Behavior”, Inorg. Chem. 52, 13341-50 (2013).

G. C. DeFotis, A. S. Hampton, T. J. Wallin, K. T. Trowell, J. M. Pothén, E. A. Welshhans, K. C. Havas, “Composition Dependent Behavior in the Ternary Mixed Magnetic Insulator $\text{Co}_{1-x}\text{Mn}_y\text{Ni}_{x-y}\text{Cl}_2 \cdot 2\text{H}_2\text{O}$ ”, Physica B 488, 24-31 (2016).

G. C. DeFotis, M. J. Van Dongen, A. S. Hampton, C. H. Komatsu, J. M. Pothén, K. T. Trowell, K. C. Havas, D. G. Chan, Z. D. Reed, K. Hays, M. J. Wagner, “Magnetic Behavior of Manganese Bromide Hydrates Including Deuteration Effects”, J. Magn. Magn. Mater. 410, 63-71 (2016).

G. C. DeFotis, A. S. Hampton, M. J. Van Dongen, C. K. Komatsu, C. L. DeSanto, C. M. Davis, “Magnetic Behavior of Cobalt Bromide Hydrates Including a Deuterated Form”, J. Magn. Magn. Mater. 428, 158-164 (2017).

G. C. DeFotis, J. C. Molloy, C. H. Komatsu, M. J. Van Dongen, C. M. Davis, C. L. DeSanto, W.M. May, T.M. Owens, “Composition Dependence of Magnetic Properties in the Mixed Magnet $\text{Co}_{1-x}\text{Ni}_x\text{Cl}_2 \cdot \text{H}_2\text{O}$ ”, J. Magn. Magn. Mater. 484, 478-483 (2019).

Names underlined are former undergraduate research students.