

- 188** - G. Cao, Weiwei Xie, W. A. Phelan, J. F. DiTusa, R. Jin, “Electrical Anisotropy and Coexistence of Structural Transitions and Superconductivity in IrTe₂”, *Phys. Rev. B* **95**, 035148 (2017).
- 187** - C. Dhital, M. Khan, M. Saghayezhian, W. A. Phelan, D. P. Young, R. Jin, J. F. DiTusa, “Effect of Negative Pressure on the Prototypical Itinerant Magnet MnSi”, *Phys. Rev. B* **95**, 024407 (2017).
- 186** - Arturo Carranze, M. Guadalupe Perez-Garcia, Kunlin Song, George Jhea, Zhenyu Diao, Rongying Jin, Nina Bogdanchikova, J. Felix Soltero, Mauricio Terrones, Qinglin Wu, J. Pojman, Josue Mota-Morales, “Deep-Eutectic Solvents as MWCNT Delivery Vehicles in the Synthesis of Functional Poly(HIPE) Nanocomposites for Applications as Selective Sorbents”,

- 175** - Z. Liao, P. Gao, S. Stadler, R. Jin, X. Pan, E. W. Plummer, and J. Zhang, "Tuning Properties of Columnar Nanocomposite Oxides", *Appl. Phys. Lett.* **103**, 043112 (2013).
- 174** - A. B. Karki, V. O. Garlea, R. Custelcean, S. Stadler, E. W. Plummer, R. Jin, "Interplay between Superconductivity and Magnetism in $\text{Fe}_{1-x}\text{PdxTe}$ ", *PNAS* **110**, 9283 (2013).
- 173** - Rongying Jin, "Metal-Insulator Transitions in $n=1$ Ruddlesden-Popper Ruthenates", book chapter of *Frontiers of 4d- and 5d- Transition Metal Oxides* (World Scientific Publishing, 2013).
- 172** - N. Haldolaarachchige, W. A. Phelan, Y. M. Xiong, R. Jin, J. Y. Chan, S. Stadler, D. P. Young, "Thermoelectric Properties of Intermetallic Semiconducting RuIn_3 and Metallic IrIn_3 ", *J. Appl. Phys.* **113**, 083709 (2013).
- 171** - D. Schmitt, N. Haldolaarachchige, J. Prestigiacomo, A. Karki, D. Young, S. Stadler, R. Jin, J. Y. Chan, "Structural Complexity Meets Transport and Magnetic Anisotropy in Single Crystalline $\text{Ln}_{30}\text{Ru}_4\text{Sn}_{31}$ ($\text{Ln} = \text{Gd-Dy}$)", *JACS* **135**, 2748 (2013).
- 170** - M. Poirier, M. A. Richard, J. Pilon, A. B. Karki, R. Jin, "Magnetic Structure of the Spin-Density Wave Antiferromagnet CaFe_4As_3 from Magneto-Elastic Coupling," *Phys. Rev. B* **87**, 014407 (2013).
- 169** - J. Teng, C. Chen, Y. Xiong, J. Zhang, R. Jin, E. W. Plummer, "Anomalous Surface Lattice Dynamics in the Low Temperature Phase of $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ ", *PNAS* **110**, 898 (2013).
- 168** - T. Podlich, M. Klinke, B. Nansseu, M. Waelsch, R. Bienert, J. He, R. Jin, D. Mandrus, R. Matzdorf, "Luttinger Liquid Behavior of $\text{Li}_{0.9}\text{Mo}_6\text{O}_{17}$ Studied by Scanning Tunneling Microscopy", *J. Phys.: Condens. Matter* **25**, 014008 (2013).
- 167** - J. Li, C. E. Ekuma, I. Vekhter, M. Jarrell, J. Moreno, S. Stadler, A. B. Karki, R. Jin, "Physical Properties of $\text{Ba}_2\text{Mn}_2\text{Sb}_2\text{O}$ Single Crystals", *Phys. Rev. B* **86**, 195142 (2012).
- 166** - V. O. Garlea, R. Jin, E. Garlea, G. Ehlers, E. Mamontov, D. B. Myers, F. Xie, R. Custelcean, "Structural and Magnetic Properties of the Cobaltate Series $(\text{Ba,Sr})_{8-x}\text{La}_x\text{Co}_4\text{O}_{15}$ ", *Phys. Rev. B* **86**, 094434 (2012).
- 165** - G. Li, X. He, J. Zhang, R. Jin, A. S. Sefat, M. A. McGuire, D. C. Mandrus, B. C. Sales, E. W. Plummer, "Coupled Structural-Magnetic Antiphase Domain Walls on BaFe_2As_2 ", *Phys. Rev. B (Rapid)* **86**, 060512 (2012).
- 164** - D. Mesa, F. Ye, S. Chi, J. A. Fernandez-Baca, W. Tian, B. Hu, R. Jin, E. W. Plummer, J. Zhang, "Single-Bilayer E-Type Antiferromagnetism in Mn-Substituted $\text{Sr}_3\text{Ru}_2\text{O}_7$: Neutron Scattering Study", *Phys. Rev. B* **85**, 180410(R) (2012).

163 - D. C. Schmitt, N. Haldolaarachchige, Y. Xiong, D. P. Young, R. Jin, J. Y. Chan, "Exceptionally Low Thermal Conductivity in Gd₁₁₇Co₅₆Sn₁₁₂ – A Phonon Glass-Electron Crystal System", *JACS* **134**, 5965 (2012).

162 - A. B. Karki, D. Brown, S. Stadler, J. Li, R. Jin, "PdTe: A Strongly-Coupled Superconductor," *J. Phys.: Condensed Matter* **24**, 055701 (2012).

161 - Min Li, G. M. Ganea, C. Lu, S. L. De Rooy, B. El-Zahab, R. Jin, S. Aggarwal, I. M. Warner "Lipophilic Phosphonium-Lanthanide Compounds with Magnetic, Luminescent, and Tumor Targeting Properties," *J. Inorganic Biochemistry* **107**, 40 (2012).

160 - I. Nowik, I. Felner, A. B. Karki, R. Jin, "57Fe Mössbauer Spectroscopy Studies of CaFe₄As₃," *Phys. Rev. B* **84**, 212402 (2011).

159 - R. Jin, "Metal-Insulator Transitions in n=1 Ruddlesden-Popper Ruthenates," book chapter of *Frontiers of 4d- and 5d- Transition Metal Oxides* (World Scientific Publishing, 2011).

158 - B. Hu, G. T. McCandless, V. O. Garlea, S. Stadler, Y. M. Xiong, J. Y. Chan, E. W. Plummer, R. Jin, "Structure-property coupling in Sr₃(Ru_{1-x}Mn_x)₂O₇," *Phys. Rev. B* **84**, 174411 (2011).

157 - D. C. Schmitt, N. Haldolaarachchige, D. P. Young, R. Jin, J. Y. Chan, "Crystal Structure and Physical Properties of Yb₃Co_{4-x}Ru_xSn₁₃ (x = 0, 0.38)," *Zeitschrift Anorganische und Allgemeine Chemie* **637**, 1 (2011).

156 - A. B. Karki, G. T. McCandless, S. Stadler, Y. M. Xiong, J. Li, J. Y. Chan and R. Jin, "Structural and Physical Properties of CaFe₄As₃," *Phys. Rev. B* **84**, 054412 (2011).

155 - X. He, G. Li, J. Zhang, A. B. Karki, R. Jin, B. C. Sales, A. S. Sefat, M. A. McGuire, D. Mandrus, E. W. Plummer, "Nanoscale Chemical Phase Separation in FeTe_{0.55}Se_{0.45} as Seen via Scanning Tunneling Spectroscopy", *Phys. Rev. B* **83**, R220502 (2011).

154 - V. Ovidiu Garlea, Andrei T. Savici, R. Jin, "Tuning the Magnetic Ground State of a Triangular Lattice System Cu(Mn_{1-x}Cu_x)O₂," *Phys. Rev. B* **83**, 172407 (2011).

153 - N. Haldolaarachchige, A. B. Karki, W. Adam Phelan, Y. M. Xiong, R. Jin, Julia Y.

[151](#) - B. Hu, G. T. McCandless, M. Menard, V. B. Nascimento, J. Y. Chan, E. W. Plummer, [R. Jin](#), "Surface and Bulk Structural Properties of Single Crystalline Sr₃Ru₂O₇," *Phys. Rev. B* **81**, 184104 (2010).

[150](#) - H. A. Mook, M. D. Lumsden, A. D. Christianson, S. E. Nagler, B. C. Sales, [R. Jin](#), M. A. McGuire, A. S. Sefat, D. Mandrus, T. Egami, C. de la Cruz, "Unusual Relationship between Magnetism and Superconductivity in FeTe_{0.5}Se_{0.5}," *Phys. Rev. Lett.* **104**, 187002 (2010).

[149](#) - H. Guo, Y. Li, D. Urbina, B. Hu, [R. Jin](#), T. Liu, D. Fobes, Z. Mao, E. W. Plummer, J. Zhang, "Doping and Dimensionality Effects on the Core-Level Spectra of Layered Ruthenates," *Phys. Rev. B* **81**, 155121 (2010).

[148](#) - X. Lu, W. K. Park, H. Q. Yuan, G. F. Chen, G. L. Luo, N. L. Wang, A. S. Sefat, M. A. McGuire, [R. Jin](#), B. C. Sales, D. Mandrus, J. Gillett, S. E. Sebastian, and L. H. Greene, "Point-Contact Spectr

Microscopic Variations of Superconductivity on the Surface of $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ Single Crystals," *Phys. Rev. B* **80**, 214518 (2009).

[141](#) - M. B. Maple, R. E. Baumbach, J. J. Hamlin, D. A. Zocco, B. J. Taylor, N. P. Butch, J. R. Jeffries, S. T. Weir, B. C. Sales, D. Mandrus, M. A. McGuire, A. S. Sefat, [R. Jin](#), Y. K. Vohra, J. H. Chu, I. R. Fisher, "New Correlated Electron Physics from New Materials," *Physica B* **404**, 2924 (2009).

[140](#) - M. R. Koehler, Y. Keppens, B. C. Sales, [R. Jin](#) and D. Mandrus, "Elastic Moduli of Superhard Rhenium Diboride," *J. Physics D: Applied Physics* **42**, 095414 (2009).

[139](#) - Y. Luan, V. Keppens, [R. Jin](#), and D. Mandrus, "Resonant Ultrasound Studies of the Layered Perovskite System $\text{Ca}_{2-x}\text{Sr}_x\text{RuO}_4$," *J. Acoustical Soc. America* **126**, 2949 (2009).

[138](#) - F. Wang, J.V. Alvarez, J.W. Allen, S.-K. Mo, J. He, [R. Jin](#), D. Mandrus, H. Hochst, "Quantum Critical Scaling in the Single-Particle Spectrum of a Novel Anisotropic Metal," *Phys. Rev. Lett.* **103**, 136401 (2009).

[137](#) - A.D. Christianson, M.D. Lumsden, S.E. Nagler, G.J. MacDougall, M.A. McGuire, A.S. Sefat, [R. Jin](#), B.C. Sales, D. Mandrus, "Static and Dynamic Magnetism in Underdoped Superconductor $\text{BaFe}_{1.92}\text{Co}_{0.08}\text{As}_2$," *Phys. Rev. Lett.* **103**, 087002 (2009).

[136](#) - P.L. Russo, J. Sugiyama, J.H. Brewer, E.J. Ansaldo, S.L. Stubbs, K.H. Chow, [R. Jin](#), H. Sha, J. Zhang, "Muon Spin Rotation/Relaxation Study of Ba_2CoO_4 ," *Phys. Rev. B* **80**, 104421 (2009).

[135](#) - M. Neupane, P. Richard, Z.-H. Pan, Y. Xu, [R. Jin](#), D. Mandrus, X. Dai, Z. Fang, Z. Wang, H. Ding, "Observation of a Novel Orbital Selective Mott Transition in $\text{Ca}_{1.8}\text{Sr}_{0.2}\text{RuO}_4$," *Phys. Rev. Lett.* **103**, 097001 (2009).

[134](#) - V. B. Nascimento, Ang Li, D. R. Jayasundara, Yi Xuan, J. O'Neal, Shuheng H. Pan, T. Y. Chien, Biao Hu, X. B. He, Guorong Li, A.S. Sefat, M.A. McGuire, B.C. Sales, D. Mandrus, M. H. Pan, Jiandi Zhang, [R. Jin](#), E. W. Plummer, "Surface Geometric and Electronic Structure of $\text{BaFe}_2\text{As}_2(001)$," *Phys. Rev. Lett.* **103**, 076104 (2009).

[133](#) - A. S. Sefat, D. J. Singh, L. H. VanBebber, Y. Mozharivskiy, M. A. McGuire, [R. Jin](#), B. C. Sales, V. Keppens, D. Mandrus, "Absence of Superconductivity in Hole-Doped $\text{BaFe}_{2-x}\text{Cr}_x\text{As}_2$ Single Crystals," *Phys. Rev. B* **79**, 224524 (2009).

[132](#) - Y.L. Zuev, E.D. Specht, C. Cantoni, D.K. Christen, J.R. Thompson, [R. Jin](#), A.S. Sefat, D. Mandrus, M.A. McGuire, B.C. Sales, "A

[130](#) - M.S. da Luz, J.J. Neumeier, R.K. Bollinger, A.S. Sefat, M.A. McGuire, [R. Jin](#), B.C. Sales, D. Mandrus, "High-Resolution Thermal Expansion Measurements of Superconducting, Co-Doped BaFe₂As₂," *Phys. Rev. B* **79**, 214505 (2009).

[129](#) - P. Vilmercati, A. Fedorov, I. Vobornik, U. Manju, G. Panaccione, A. Goldoni, A.S. Sefat, M.A. McGuire, B.C. Sales, [R. Jin](#), D. Mandrus, D.J. Singh, and N. Mannella, "Evidence for Three-Dimensional Fermi-Surface Topology of the Layered Electron-Doped Iron Superconductor Ba(Fe_{1-x}Co_x)₂As₂," *Phys. Rev. B* **79**, 220503 (2009).

[128](#) - R.G. Moore, M.D. Lumsden, M.B. Stone, J. Zhang, Y. Chen, J.W. Lynn, [R. Jin](#), D. Mandrus, E.W. Plummer, "Phonon Softening and Anomalous Mode Near $x_c = 0.5$ Quantum Critical Point in Ca_{2-x}Sr_xRuO₄," *Phys. Rev. B* **79**, 172301 (2009).

[127](#) - F.L. Ning, K. Ahilan, T. Imai, A.S. Sefat, [R. Jin](#), M.A. McGuire, B.C. Sales, and D. Mandrus, "⁵⁹Co and ⁷⁵As NMR Investigation of the Lightly Doped Ba(Fe_{1-x}Co_x)₂As₂ ($x = 0.02, 0.04$)," *Phys. Rev. B* **79**, 140506 (2009).

[126](#) - M.D. Lumsden, A.D. Christianson, D. Parshall, M.B. Stone, S.E. Nagler, G.J.

- 119** - A.S. Sefat, D.J. Singh, R. Jin, M.A. McGuire, B.C. Sales, and D. Mandrus, "Renormalized Behavior and Proximity of BaCo₂As₂ to a Magnetic Quantum Critical Point," *Phys. Rev. B* **79**, 024512 (2009).
- 118** - F. Ning, K. Ahilan, T. Imai, A.S. Sefat, R. Jin, M.A. McGuire, B.C. Sales, D. Mandrus, "Spin Susceptibility, Phase Diagram, and Quantum Criticality in the Electron-Doped High T_c Superconductor Ba(Fe_{1-x}Co_x)₂As₂," *J. Phys. Soc. Jpn.* **78**, 013711 (2009).
- 117** - P. Brandao, J. Rocha, M. S. Reis, A.M. dos Santos, R. Jin, "Magnetic Properties of KNaMSi₄O₁₀ Minerals (M = Mn, Fe, Cu)," *J. Solid State Chemistry* **182**, 253 (2009).
- 116** - J. Dong, D. Wu, J. L. Luo, M. E. Li, X. G. Luo, X. H. Chen, R. Jin, D. Mandrus, and N. L. Wang, "Charge Dynamic s and Optical Properties of Layered Cobaltates," *J. Phys. & Chem. Solids* **69**, 3052 (2008).
- 115** - T. Imai, K. Ahilan, F. Ning, M. A. McGuire, A. S. Sefat, R. Jin, B. C. Sales, D. Mandrus, "NMR Measurements of Intrinsic Spin Susceptibility in LaFeAsO_{0.9}F_{0.1}," *Japanese J. of Phys. Soc.* **77**, 47 (2008) Supplement C.
- 114** - F. Bondino, E. Magnano, M. Malvestuto, F. Parmigiani, M.A. McGuire, A.S. Sefat, B.C. Sales, R. Jin, D. Mandrus, E.W. Plummer, D.J. Singh, N. Mannella, "Evidence for Strong Itinerant Spin Fluctuations in the Normal State of CeFeAsO_{0.89}F_{0.11} Iron-Oxypnictides," *Phys. Rev. Lett.* **101**, 267001 (2008).
- 113** - M. Angst, R.P. Hermann, A.D. Christianson, M.D. Lumsden, C. Lee, M.-H. Whangbo, J.-W. Kim, P.J. Ryan, S.E. Nagler, W. Tian, R. Jin, B.C. Sales, D. Mandrus, "Charge Order in LuFe₂O₄: Antiferroelectric Ground State and Coupling to Magnetism," *Phys. Rev. Lett.* **101**, 227601 (2008).
- 112** - K. Ahilan, J. Balasubramaniam, F.L. Ning, T. Imai, A.S. Sefat, R. Jin, M.A. McGuire, B.C. Sales, and D. Mandrus, "Pressure Effects on the Electron-Doped High T_c Superconductor BaFe_{2-x}Co_xAs₂," *J. Phys.: Cond. Matter* **20**, 472201 (2008).
- 111** - A.D. Christianson, M.D. Lumsden, O. Delaire, M.B. Stone, D.L. Abernathy, M.A. McGuire, A.S. Sefat, R. Jin, B.C. Sales, D. Mandrus, E.D. Mun, P.C. Canfield, J.Y.Y. Lin, M. Lucas, M. Kresch, J.B. Keith, B. Fultz, E.A. Goremychkin, and R.J. McQueeney, "Phonon Density of States of LaFeAsO_{1-x}F_x," *Phys. Rev. Lett.* **101**, 157004 (2008).
- 110** - F. L. Ning, K. Ahilan, T. Imai, A. S. Sefat, R. Jin, M. A. McGuire, B.C. Sales, D. Mandrus, "59Co and 75As NMR Investigation of Electron-Doped High-T_c Superconductor BaFe_{1.8}Co_{0.2}As₂ (T_c = 22 K)," *J. Phys. Soc. Jpn.* **77**, 103705 (2008) (awarded as editor's choice).
- 109** - M.A. McGuire, A.D. Christianson, A.S. Sefat, B.C. Sales, M.D. Lumsden, R. Jin, E.A. Payzant, D. Mandrus, Y. Luan, V. Keppens, V. Varadarajan, J.W. Brill, R.P. Hermann, M.T. Sougrati, F. Grandjean, G.J. Long, "Phase Transitions in LaFeAsO: Structural, Magnetic,

Elastic, and Transport Properties, Heat Capacity and Mossbauer Spectra," *Phys. Rev. B* **78**, 094517 (2008).

108 - D.A. Zocco, J.J. Hamlin, R.E. Baumbach, M.B. Maple, M.A. McGuire, A.S. Sefat, B.C. Sales, R. Jin, D. Mandrus, J.R. Jeffries, S.T. Weir, Y.K. Vohra, "Effect of Pressure on the Superconducting Critical Temperature of LaFeAsO_{0.89}F_{0.11} and CeFeAsO_{0.88}F_{0.12}," *Physica C* **468**, 2229 (2008).

107 - K. Ahilan, F. L. Ning, T. Imai, A. S. Sefat, R. Jin, M. A. McGuire, B.C. Sales, D. Mandrus, "19F NMR Investigation of LaAsFeO_{0.89}F_{0.11} Superconductor," *Phys. Rev. B* **78**, 100501 (2008).

106 - A. S. Sefat, R. Jin, M. A. McGuire, B. Sales, D. Singh, D. Mandrus, "Superconductivity at 22 K in Co-Doped BaFe₂As₂ Crystals," *Phys. Rev. Lett.* **101**, 117004 (2008).

105 - A.S. Sefat, A. Hug, M.A. McGuire, R. Jin, B. C. Sales, D. Mandrus, L.M.D. Cranswick, P.W. Stephens, K.H. Stone, "Superconductivity in Co-doped LaFeAsO," *Phys. Rev. B* **78**, 104505 (2008).

104 - J. Jaroszynski, S.C. Riggs, F. Hunte, A. Gurevich, D.C. Larbalestier, G.S. Boebinger, F.F. Balakirev, A. Migliori, Z.A. Ren, W. Lu, J. Yang, X.L. Shen, X.L. Dong, Z.X. Zhao, R. Jin, A.S. Sefat, M.A. McGuire, B.C. Sales, D.K. Christen, D. Mandrus, "Comparative High Field Magneto-Transport of Rare Earth Oxypnictides with Maximum Transition Temperatures," *Phys. Rev. B* **78**, 064511 (2008).

103 - B.C. Chakoumakos, R. Custelcean, J.O. Ramey, J.A. Kolopus, R. Jin, J.S. Neal, D.J. Wisniewski, L.A. Boatner, "Cerium Chloride – Methanol Adduct Crystals, CeCl₃(CH₃OH)₄: Preparation, Crystallography, and Scintillation Properties," *Crystal Growth & Design* **8**, 2070 (2008).

102 - A. Yamamoto, J. Jiang, C. Tarantini, N. Craig, A. A. Polyanskii, F. Kametani, F. Jaroszynski, E. E. Hellstrom, D. C. Larbalestier, R. Jin, A. S. Sefat, M. A. McGuire, B.C. Sales, D. K. Christen, D. Mandrus, "Evidence for Electromagnetic Granularity in the Polycrystalline Iron-Based Superconductor LaAsFeO_{0.89}F_{0.11}," *Appl. Phys. Lett.* **92**, 252501 (2008).

101 - F. Hunte, J. Jaroszynski, A. Gurevich, D.C. Larbalestier, R. Jin, A.S. Sefat, M.A. McGuire, B.C. Sales, D.K. Christen, D. Mandrus, "Very High Field Two-Band Superconductivity in LaFeAsO_{0.89}F_{0.11}," *Nature* **453**, 7058 (2008).

100 - A.S. Sefat, M.A. McGuire, B.C. Sales, R. Jin, J.Y. Howe, D. Mandrus, "Electronic Correlations in the Superconductor LaFeAsO_{0.89}F_{0.11} with Low Carrier Density," *Phys. Rev. B* **77**, 174503 (2008).

99 - F. Wang, J.V. Alvarez, S.-K. Mo, J.W. Allen, G.-H. Allen, J. He, R. Jin, D. Mandrus, H. Hochst, "New Luttinger-Liquid Physics from Angle-Resolved Photoemission on a Paradigm Material $\text{Li}_{0.9}\text{Mo}_6\text{O}_{17}$," *Physica B* **403**, 1490 (2008).

98 - A.D. Christianson, M.D. Lumsden, M. Angst, Z. Yammi, W. Tian, R. Jin, A. Payzant, S.E. Nagler, B.C. Sales, D. Mandrus
"Three Dimensional Charge and Magnetic Order in LuFe_2O_4 ," *Phys. Rev. Lett.* **100**, 107601 (2008).

97 - B. C. Sales, R. Jin, D. Mandrus, "Zintl Compounds: From Power Generation to the Anomalous Hall Effect," *J. Phys. Soc. Jpn.* **77**, 48 (2008).

96 - V.O. Garlea, R. Jin, D. Mandrus, B. Roessli, Q. Huang, M. Miller, A. J. Schultz, S.E. Nagler, "Magnetic and Orbital Ordering in the Spinel MnV_2O_4 ,"

87 - W. Tian, M.B. Stone, D.G. Mandrus, B.C. Sales, R. Jin, D.T. Adroja, S.E. Nagler, "Magnetic Excitations in the Orbitally Degenerate Triangular Lattice LiVO_2 ," *Physica B* **50**, 385-386 (2006).

86 - I. Ivanov, A. Puretzky, G. Eres, H. Wang, Z. Pan, H. Cui, R. Jin, J. Howe, D.B. Geohegan, "Fast and Highly Anisotropic Thermal Transport through Vertically Aligned Carbon Nanotube Arrays," *Appl. Phys. Lett.* **89**, 223110 (2006).

85 - Y.V. Sushko, O. Korneta, S. Leontsev, R. Jin

- 64** - N.L. Wang, P. Zheng, D. Wu, Y.C. Ma, T. Xiang, R. Jin, D. Mandrus, "Infrared Probe of the Electronic Structure and Charge Dynamics of $\text{NaO}_{0.7}\text{CoO}_2$," *Phys. Rev. Lett.* **93**, 237007 (2004).
- 63** - B.C. Sales, R. Jin, K.A. Affholter, P. Khalifah, G.M. Veith, and D. Mandrus, "Evidence and Characterization of a SDW Transition in $\text{NaO}_{0.75}\text{CoO}_2$ Single Crystals," *Phys. Rev. B* **70**, 174419 (2004).
- 62** - B.C. Sales, R. Jin, D. Mandrus, "Thermal Spin Valves," Proceedings of the 27th International Thermal Conductivity Conference & the 15th International Thermal Expansion Symposium (edited by H. Wang and W. Porter) p. 65 (2004).
- 61** - C. Lu, J. Zhang, R. Jin, H. Qu, J. He, D. Mandrus, K.D. Tsuei, C.T. Tzeng, L.C. Lin, and E.W. Plummer, "An Imperfection-Driven Phase Transition at 120 K in $\text{Cd}_2\text{Re}_2\text{O}_7$," *Phys. Rev. B* **70**, 92506 (2004).
- 60** - G.-H. Gweon, S.-K. Mo, J. W. Allen, J. He, R. Jin, D. Mandrus, and H. Höchst, "Luttinger liquid angle-resolved photoemission line shapes from samples of $\text{Li}_{0.9}\text{Mo}_6\text{O}_{17}$ grown by the temperature-gradient-flux technique," *Phys. Rev. B* **70**, 153103 (2004).
- 59** - Y.G. Shi, Y.L. Liu, H.X. Yang, C.J. Nie, R. Jin, J.Q. Li, "Raman Spectroscopy Study of Na_xCoO_2 ," *Phys. Rev. B* **70**, 52502 (2004).
- 58** - R.G. Moore, J. Zhang, S.V. Kalinin, Ismail, A.P. Baddorf, R. Jin, D.G. Mandrus, E.W. Plummer, "Surface Dynamics of the Layered Ruthenate $\text{Ca}_{1.9}\text{Sr}_{0.1}\text{RuO}_4$," *Phys. Stat. Sol. (b)* **241**, 2363 (2004).
- 57** - J. Choi, J.D. Woodward, J.L. Musfeldt, X. Wei, M.-H. Wangbo, J. He, R. Jin, and D. Mandrus, "Magneto-optical Properties of $\text{Li}_{0.9}\text{Mo}_6\text{O}_{17}$: Color Change in Applied Magnetic Field," *Phys. Rev. B* **70**, 85107 (2004).
- 56** - W. Tian, M.F. Chisholm, P.G. Khalifah, R. Jin, B.C. Sales, S.E. Nagler, D. Mandrus, "Single Crystal Growth and Anomalous Properties of LiVO_2 ," *Materials Research Bulletin* **39**, 1319 (2004).
- 55** - P. Zheng, N.L. Wang, J.L. Luo, R. Jin, D. Mandrus, "Optical Properties of the Pyrochlore Oxide $\text{Pb}_2\text{Ru}_2\text{O}_{6.5}$," *Phys. Rev. B* **69**, 193102 (2004).
- 54** - H.-B. Yang, S.-C. Wang, A.K.P. Sekharan, H. Matsui, S. Souma, T. Sato, T. Takahashi, T. Takeuchi, J.C. Campuzano, R. Jin, B.C. Sales, D. Mandrus, Z. Wang, H. Ding, "ARPES on $\text{Na}_{0.6}\text{CoO}_2$: Fermi Surface, Extended Flat Dispersion, and Unusual Band Splitting," *Phys. Rev. Lett.* **92**, 246403 (2004).
- 53** - J. Choi, J.L. Musfeldt, J. He, R. Jin, J.R. Thompson, D. Mandrus, X.N. Lin, V.A. Bondarendo, and J.W. Brill, "Probing Localization Effects in $\text{Li}_{0.9}\text{Mo}_6\text{O}_{17}$," *Phys. Rev. B* **69**, 85120 (2004).

52 - I.A. Sergienko, V. Keppens, M. McGurie, R. Jin, J. He, S.H. Curnoe, B.C. Sales, P. Blaha, D.J. Singh, K. Schwarz, and D. Mandrus, "Metallic "Ferroelectricity in the Pyrochlore $\text{Cd}_2\text{Re}_2\text{O}_7$," *Phys. Rev. Lett.* **92**, 65501 (2004).

51 - C. Zeng, S.C. Erwin, L.C. Feldman, A.P. Li, R. Jin, Y. Song, J.R. Thompson, and H.H. Weitering, "Epitaxial Ferromagnetic Mn_5Ge_3 on Ge(111)," *App. Phys. Lett.*

40 - P. Khalifah, R. Osborn, Q. Huang, H.W. Zandbergen, R. Jin, Y. Liu, D. Mandrus, R.J. Cava, "Orbital Ordering Transition $\text{La}_4\text{Ru}_2\text{O}_{10}$," *Science* **297**, 2237 (2002).

39 - N.L. Wang, J.J. McGuire, T. Timusk, R. Jin, J. He, and D. Mandrus, "Optical Evidence for an Anomalous Metallic Phase in Pyrochlore $\text{Cd}_2\text{Re}_2\text{O}_7$," *Phys. Rev. B* **66**, 14534 (2002).

38 - B.C. Sales, M.D. Lumsden, S.E. Nagler, D. Mandrus, R. Jin, "Magnetic Field

27 - S.M. Loureiro, D.P. Young, R. Jin, Y. Liu, P. Bordet, Y. Qin, H. Zandbergen, M. Godinho, M. Nunez-Regueiro, B. Batlogg, R.J. Cava, "Suppression of the Metal to Semiconductor Transition in Bismuth Cobaltates: Can Cobaltates Superconduct?," *Physica C* **793**, 341-348 (2000).

26 - R. Jin, Y. Liu, Z.Q. Mao, Y. Y. Maeno, "Experimental Observation of the Selection Rule in Josephson Coupling between In and Sr₂RuO₄," *Europhysics Letter* **51**, 341 (2000).

25 - R. Jin, Y. Liu and F. Lichtenberg, "Linear-Field Dependence of Normal-State In-plane Magnetoresistance of Sr₂RuO₄," *Phys. Rev. B* **60**, 10418 (1999) reW*_nBT/F1 12 Tf1 0 0 1 315.63 584.17

15 - A. Schilling, R. Jin

3 - R.Y. Jin, F. Shi, Qi-ze Ran, N.C. Shi and S.Z. Zhou, "The Specific Heat of the Single-Phase (Bi,Pb)₂Sr₂Ca₂Cu₃O₁₀₊ Superconductor," *Physica C* **158**, 255 (1990).

2 - Y.M. Yang, P. Out, B.R. Zhao, Y.Y. Zhao, L. Li, Q.Z. Ran and R.Y. Jin, "Characterization of YBa₂Cu₃O_{7-x} Bulk Samples Prepared by Citrate Synthesis and Solid-State Reaction," *J. of Appl. Phys.* **66**, 312 (1989).

1 - R.Y. Jin, Zhao Guo-meng and Qi-ze Ran, "Antiferromagnetism of La₂CuO_{4-y} Studied by Specific Heat," *Solid State Commun.* **67**, 415 (1988).