

JOSHUA L. COHN

CURRICULUM VITAE

PUBLICATIONS

Refereed Journal Articles (63 total):

- 1) “Anisotropic transport in the quasi-one-dimensional semiconductor $\text{Li}_{0.33}\text{MoO}_3$,” S. Moshfeghyeganeh, A. N. Cote, J. J. Neumeier and J. L. Cohn, J. Appl. Phys. **119**, 095105 (2016).
- 2) “Heat capacity, thermal expansion and heat transport in the Han Blue ($\text{BaCuSi}_4\text{O}_{10}$): Observation of structural phase transitions,” S. H. Masunaga, A.Rebello, A.T.Schye, N.Prasai, J.J.Neumeier, and J.L.Cohn, J. Phys. Chem. Sol. **85**, 69 (2015).
- 3) “Phonon-spin scattering and magnetic heat transport in the quasi-one-dimensional spin-1/2 antiferromagnetic chain compound CuSb_2O_6 ,” N. Prasai, A. Rebello, A. B. Christian, J. J. Neumeier, and J. L. Cohn, Phys. Rev. B **91**, 054403 (2015).
- 4) “Extreme Thermopower Anisotropy and Interchain Transport in the Quasi-One-Dimensional Metal $\text{Li}_{0.9}\text{Mo}_6\text{O}_{17}$,” J. L. Cohn, S. Moshfeghyeganeh, C. A. M. dos Santos, and J. J. Neumeier, Phys. Rev. Lett. **112**, 186602 (2014).
- 5) “Persistent patterns in microtubule dipole Lattices,” S. Nandi, N. F. Johnson, and J. L. Cohn, Adv. Complex Syst. **16**, 1350033 (2013).
- 6) “Stoichiometry, structure, and transport in the quasi-one-dimensional metal $\text{Li}_{0.9}\text{Mo}_6\text{O}_{17}$,” J. L. Cohn, P. Boynton, J. S. Triviño, J. Trastoy, B. D. White, C. A. M. dos Santos, and J. J. Neumeier, Phys. Rev. B **86**, 195143 (2012).
- 7) “Strain-controlled band engineering and self-doping in ultrathin LaNiO_3 films,” E. J. Moon, J. M. Rondinelli, N. Prasai, B. A. Gray, M. Kareev, J. Chakhalian, and J. L. Cohn, Phys. Rev. B **85**, 121106(R) (2012).
- 8) “Giant Nernst Effect and Bipolarity in the Quasi-One-Dimensional Metal $\text{Li}_{0.9}\text{Mo}_6\text{O}_{17}$,” J. L. Cohn, B. D. White, C. A. M. dos Santos, and J. J. Neumeier, Phys. Rev. Lett. **108**, 056604 (2012).
- 9) “Asymmetric Orbital-Lattice Interactions in Ultrathin Correlated Oxide Films,” J. Chakhalian, J. M. Rondinelli, Jian Liu, B. A. Gray, M. Kareev, E. J. Moon, N. Prasai, J. L. Cohn, M. Varela, I. C. Tung, M. J. Bedzyk, S. G. Altendorf, F. Strigari, B. Dabrowski, L. H. Tjeng, P. J. Ryan, and J. W. Freeland, Phys. Rev. Lett. **107**, 116805 (2011).
- 10) “Physical properties of quasi-one-dimensional $\text{SrNbO}_{3.41}$ and Luttinger liquid analysis of electrical transport,” A. de Campos, M. S. da Luz, C. A. M. dos Santos, A. T. Rice, A. M. Deml, B. D. White, J. J. Neumeier, and J. L. Cohn, Phys. Rev. B **82**, 125117 (2010).
- 11) “Anisotropic in-plane strain and transport in epitaxial $\text{Nd}_{0.2}\text{Sr}_{0.8}\text{MnO}_3$ thin films,” K. Neupane, J. J. Neumeier, and J. L. Cohn, J. Appl. Phys. **106**, 123904 (2009).
- 12) “Magnetic, transport, and thermodynamic properties of CaMn_2O_4 single crystals,” B. D. White, J. A. Souza, C. Chiorescu, J. J. Neumeier, and J. L. Cohn, Phys. Rev. B **79**, 104427/1-9 (2009).

- 13) "Giant Electrothermal Conductivity and Spin-Phonon Coupling in an Antiferromagnetic Oxide," C. Chiorescu, J. J. Neumeier, and J. L. Cohn, *Phys. Rev. Lett.* **101**, 257202/1-4 (2008).
- 14) "Impurity conduction and magnetic polarons in antiferromagnetic oxides," C. Chiorescu, J. L. Cohn, and J. J. Neumeier, *Phys. Rev. B* **76**, 020404(R)/1-4 (2007).
- 15) "Doping dependence of polaron hopping energies in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ ($0 \leq x \leq 0.15$)," K. P. Neupane, J. L. Cohn, H. Terashita, and J. J. Neumeier, *Phys. Rev. B* **74**, 144428/1-5 (2006).
- 16) "Role of oxygen vacancies in the magnetic and dielectric properties of the high-dielectric-constant system $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$: An electron-spin-resonance study," M. A. Pires, C. Israel, W. Iwamoto, R. R. Urbano, O. Agüero, I. Torriani, C. Rettori and P. G. Pagliuso, Z. Le, J. L. Cohn, and B. Oseroff, *Phys. Rev. B* **73**, 224404/1-7 (2006).
- 17) "Magnetic inhomogeneity and magnetotransport in electron-doped manganites $\text{Ca}_{1-x}\text{La}_x\text{MnO}_3$ ($0 \leq x \leq 0.10$)," C. Chiorescu, J. J. Neumeier, and J. L. Cohn, *Phys. Rev. B* **73**, 014406/1-6 (2006).
- 18) "Polaron transport in the paramagnetic phase of electron-doped manganites," J. L. Cohn, C. Chiorescu, and J. J. Neumeier, *Phys. Rev. B* **72**, 024422/1-6 (2005).
- 19) "Giant Dielectric Permittivity of Electron-Doped Manganite Thin Films, $\text{Ca}_{1-x}\text{La}_x\text{MnO}_3$ ($0 \leq x \leq 0.03$)," J. L. Cohn, M. Peterca, and J. J. Neumeier, *J. Appl. Phys.* **97**, 034102 (2005).
- 20) "Diosmium(III) Compounds Supported by 2-Anilinopyridinate and Novel Alkynyl Derivatives," Y.-H. Shi, W.-Z. Chen, K. D. John, R. E. Da Re, J. L. Cohn, G.-L. Xu, J. L. Eglin, A. P. Sattelberger, C. R. Hare, and T. Ren, *Inorg. Chem.* **44**, 5719-5727 (2005).
- 21) "Low-temperature Permittivity of Insulating Perovskite Manganites," J. L. Cohn, M. Peterca, and J. J. Neumeier, *Phys. Rev. B* **70**, 214433/1-6 (2004).
- 22) "Low temperature transport properties of polycrystalline $\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$," G.S. Nolas, J.L. Cohn, J. S. Dyck, C. Uher, G. A. Lamberton, Jr., and T.M. Tritt, *J. Mater. Res.* **19**, 3556 (2004).
- 23) "Ferroelectric and Ferrimagnetic Iron-Doped Thin-Film BaTiO_3 : Influence of Iron on Physical Properties," R. Maier and J. L. Cohn, *J. Appl. Phys.* **92**, 5429 (2002).
- 24) "Heat conduction and magnetic phase behavior in electron-doped $\text{Ca}_{1-x}\text{La}_x\text{MnO}_3$ ($0 \leq 0.2 \leq 0.2$)," J. L. Cohn and J. J. Neumeier, *Phys. Rev. B* **66**, 100404R (2002).
- 25) "Temperature dependent structural and transport properties of the type II clathrates $\text{A}_8\text{Na}_{16}\text{E}_{136}$ ($\text{A}=\text{Cs}$ or Rb and $\text{E}=\text{Ge}$ or Si)," G. S. Nolas, D. G. Vanderveer, A. P. Wilkinson, and J. L. Cohn, *J. Appl. Phys.* **91**, 8970-73 (2002).
- 26) "Transport properties of polycrystalline type-I Sn clathrates," G. A. Nolas, J. L. Cohn, A. B. Dyck, C. Uher, and J. Yang, *Phys. Rev. B* **65**, 165201-1 (2002).
- 27) "Ferroelectricity and ferrimagnetism in iron-doped BaTiO_3 ," R. Maier, J. L. Cohn, J. J. Neumeier, and L. A. Bendersky, *Appl. Phys. Lett.* **78**, 2536 (2001).

- 28) "Possible signatures of magnetic phase segregation in electron-doped antiferromagnetic CaMnO_3 ," J. J. Neumeier and J. L. Cohn, Phys. Rev. B **61**, 14319-14322 (2000).
- 29) "Electrical and Thermal Transport in Perovskite Manganites," J. L. Cohn, J. Supercond.: Incomp. Novel Mag. **13**, 291-304 (2000).
- 30) "Structural studies of pulsed-laser-deposited $\text{Ba}_4\text{Fe}_4\text{Ti}_3\text{O}_{16}$ oxide films," L. A. Bendersky, R. Maier, J. L. Cohn, and J. J. Neumeier, J. Mater. Res. **15**, 1389-1396 (2000).
- 31) "Structural properties and thermal conductivity of crystalline Ge clathrates," G. S. Nolas, T. J. R. Weakley, J. L. Cohn, and R. Sharma, Phys. Rev. B **61**, 3845-3850 (2000).
- 32) "Structural, chemical and transport properties of a new clathrate compound: $\text{Cs}_8\text{Zn}_4\text{Sn}_{42}$," G.S. Nolas, T.J.R. Weakley, and J.L. Cohn, Chem. of Mater., **11**, 2470-2473 (1999).
- 33) "Glass-like heat conduction in high-mobility semiconductors," J. L. Cohn, G. S. Nolas, V. Fessatidis, T. H. Metcalf, and G. A. Slack, Phys. Rev. Lett. **82**, 779-782 (1999).
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- 35) "Thermal Transport as a Probe of Localized Charge and Lattice Distortions in Manganites and Cuprates," J. L. Cohn, J. Supercond. **12**, 281-284 (1999).
- 36) "Anisotropic in-plane thermal conductivity of single-crystal $\text{YBa}_2\text{Cu}_4\text{O}_8$," J. L. Cohn and J. Karpinski, Phys. Rev. B. **58**, 14617-14620 (1998).
- 37) "Semiconducting Ge clathrates: Promising candidates for thermoelectric applications," G. S. Nolas, J. L. Cohn, G. A. Slack, and S. B. Schujman, Appl. Phys. Lett. **73**, 178-180 (1998).
- 38) "Effect of partial void filling on the lattice thermal conductivity of skutterudites," G. S. Nolas, J. L. Cohn, and G. A. Slack, Phys. Rev. B **58**, 164-170 (1998).
- 39) "Local lattice distortions and thermal transport in perovskite manganites," J. L. Cohn, J. J. Neumeier, K. J. McClellan, and Th. Leventouri, Phys. Rev. B **56**, R8495 (1997).
- 40) "Thermal transport in $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$: Doping dependence across the phase diagram," C. P. Popoviciu and J. L. Cohn, Phys. Rev. B **55**, 3155 (1997).
- 41) "The Possibility of Flux Flow Spectroscopy," S. E. Barnes, J. L. Cohn, and F. Zuo Phys. Rev. Lett. **77**, 3252 (1996).
- 42) "Low-temperature transport properties of the filled and unfilled IrSb_3 skutterudite system," T. M. Tritt, G. S. Nolas, G. A. Slack, A. C. Erlich, D. J. Gillespie, and J. L. Cohn, J. Appl. Phys. **79**, 8412 (1996).
- 43) "Superconducting-state enhancement of in-plane thermal conductivity in the cuprates: Correlation with the pair density," J. L. Cohn, Phys. Rev. B **53**, R2963 (1996).
- 44) "Anomalous Phonon Damping and Thermal Conductivity of Insulating Cuprates," J. L. Cohn, C. K. Lowe-Ma, and T. A. Vanderah, Phys. Rev. B **52**, R13134 (1995).

- 45) "Anomalous Phonon Damping in Insulating Cuprates," J. L. Cohn, J. Supercond. **8**, 457 (1995).
- 46) "Influence of the Josephson Junction on the Impedance and Noise of a Resistive Quantum Interference Device," R. J. Soulen, Jr., W. E. Fogle, J. H. Colwell, J. L. Cohn, and H. Seppä, J. Appl. Phys. **74**, 5241 (1993).
- 47) "Superconducting-State Thermal Transport in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$," J. L. Cohn, V. Z. Kresin, M. E. Reeves, and S. A. Wolf, Phys. Rev. Lett. **71**, 1657 (1993).
- 48) "Thermoelectric and Thermo-Coulomb Effects in Tunnel Junctions," M. Amman, E. Ben-Jacob, and J. L. Cohn, Phys. Letts. A **171**, 389 (1992).
- 49) "In-Plane Thermal Conductivity of $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_{4-y}$," J. L. Cohn, M. S. Osofsky, J. L. Peng, Z. Y. Li, and R. L. Greene, Phys. Rev. B **46**, 12053 (1992).
- 50) "Thermal Conductivity in the ab-Plane of Untwinned $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$," J. L. Cohn, E. F. Skelton, S. A. Wolf, J. Z. Liu, and R. N. Shelton, Phys. Rev. B **45**, 13144 (1992).
- 51) "In-Plane Thermoelectric Power of Untwinned $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$," J. L. Cohn, E. F. Skelton, S. A. Wolf, and J. Z. Liu, Phys. Rev. B **45**, 13140 (1992).
- 52) "Lattice Thermal Conductivity of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$," J. L. Cohn, S. A. Wolf, T. A. Vanderah, V. Selvamanickam, and K. Salama, Physica **192C**, 435 (1992).
- 53) "Percolation Effects and Oxygen Inhomogeneities in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Crystals," M. S. Osofsky, J. L. Cohn, E. F. Skelton, M. M. Miller, R. J. Soulen, Jr., and S. A. Wolf, Phys. Rev. B **45**, 4916 (1992).
- 54) "Evidence for Strong Electron-Phonon Coupling in Thermal Conductivity of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$," J. L. Cohn, S. A. Wolf, and T. A. Vanderah, Phys. Rev. B **45**, 511 (1992).
- 55) "Thermoelectric and Thermo-Coulomb Effects in Tunnel Junctions," M. Amman, E. Ben-Jacob, and J. L. Cohn, Z. Phys. B **85**, 405 (1991).
- 56) "Effect of Magnetic Field on Thermal Conductivity of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Single Crystals," S. D. Peacor, J. L. Cohn, C. Uher, Phys. Rev. B **43**, 8721 (1991).
- 57) "Thermoelectric Power of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$: Phonon-drag and Multiband Conduction," J. L. Cohn, S. A. Wolf, V. Selvamanickam, and K. Salama, Phys. Rev. Lett. **66**, 1098 (1991).
- 58) "Low Temperature Electronic Transport and the Coulomb Blockade in Oxidized Films of Bismuth," J. L. Cohn, E. Ben-Jacob, and C. Uher, Phys. Letts. A **148**, 110 (1990).
- 59) "Electrical Resistance and Time-Dependent Oxidation of Semicontinuous Bismuth Films," J. L. Cohn and C. Uher, J. Appl. Phys. **66**, 2045 (1989).
- 60) "Anomalous Thermal Conductivity of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_{4-y}$ at Very Low Temperatures," C. Uher and J. L. Cohn, J. Phys. C **21**, L957 (1988).
- 61) "Thermal Conductivity of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Below 1K: Evidence for Normal-Carrier Transport Well Below T_c ," J. L. Cohn, S. D. Peacor, C. Uher, Phys. Rev. B **38**, 2892 (1988).

- 62) "Upper Critical Fields of Periodic and Quasiperiodic Nb/Ta Superlattices," J. L. Cohn, J.-J. Lin, F. Lamelas, H. He, R. Clarke and C. Uher, *Phys. Rev. B* **38**, 2326 (1988).
- 63) "Electrical, Structural and Superconducting Properties of Hydrogenated Nb-Ta Superlattices," Ctirad Uher, Joshua L. Cohn, Paul F. Miceli and Hartmut Zabel, *Phys. Rev. B* **36**, 815 (1986).
- 64) "Upper Critical Field in Anisotropic Superconductors," Ctirad Uher, Joshua L. Cohn and Ivan K. Schuller, *Phys. Rev. B* **34**, 4906 (1986).

Conference Proceedings (14 total):

- 65) "Ferroelectricity and ferrimagnetism in iron-doped BaTiO₃," R. Maier, J. L. Cohn, J. Neumeier, and L. A. Bendersky, *Magnetoresistive and Related Oxides*, ed. by M. Ryzhowski, M. Kawasaki, A. J. Millis, M. Rajeswari, S. von Molnár, MRS Conference Proceedings, Vol. 602, 29-33 (2000).
- 66) "Heat Conduction and Charge Ordering in Perovskite Manganites, Nickelates and Cuprates," J. L. Cohn, *Thermal Conductivity 25, Thermal Expansion 13*, ed. by C. Uher and D. T. Morelli, (Technomic Publishing, Lancaster, PA, 2000), pp. 87-97.
- 67) "Glass-like Heat Conduction in Crystalline Semiconductors," George S. Nolas, Joshua L. Cohn, Bryan C. Chakoumakos, and Glen A. Slack, *Thermal Conductivity 25, Thermal Expansion 13*, ed. by C. Uher and D. T. Morelli, (Technomic Publishing, Lancaster, PA, 2000), pp. 122-129.
- 68) "1/8 Doping Anomalies and Oxygen Vacancies in Underdoped Superconducting Cuprates," J. L. Cohn, in *High Temperature Superconductivity*, edited by S. E. Barnes, J. Ashkenazi, J. L. Cohn, and F. Zuo, AIP Conference Proceedings, Vol. 483, pp. 213-218 (1999).
- 69) "Expanding the Investigation of the Thermoelectric Properties of Rare-Earth-Filled Skutterudites," G. S. Nolas, H. B. Lyon, J. L. Cohn, T. M. Tritt, and G. A. Slack, *Proceedings of the Sixteenth International Conference on Thermoelectrics*, (American Institute of Physics, 1998).
- 70) "Low Temperature Transport Properties of IrSb₃," T. M. Tritt, D. J. Gillespie, A. C. Erlich, G. Nolas, G. Slack, and J. L. Cohn, *Proceedings of the XIV International Conference on Thermoelectrics* (American Institute of Physics, New York, 1996).
- 71) "Thermal conduction in the cuprates: Changes with doping across the phase diagram," J. L. Cohn, in *Oxide Superconductor Physics and Nano-Engineering II*, ed. by I. Bozovic and D. Pavuna, (SPIE, Bellingham, WA, 1996), Vol. **2697**.
- 72) "Effects of Oxygen Inhomogeneities on the Physical Properties of YBa₂Cu₃O_{7-δ} Single Crystals," M. S. Osofsky, J. L. Cohn, E. F. Skelton, M. M. Miller, R. J. Soulen, Jr., and S. A. Wolf, in *Materials Science Forum*, (Trans Tech, Switzerland, 1993), Vol. 137-139, p. 229.
- 73) "Evidence for Strong Electron-Phonon Coupling in Thermal Conductivity of YBa₂Cu₃O_{7-δ}," J. L. Cohn, S. A. Wolf, and T. A. Vanderah, in *Phenomenology and Applications of High Temperature Superconductors*, ed. by K. S. Bedell, M. Inui, D. Meltzer, J. R. Schrieffer, and S. Doniach, (Plenum, New York, 1992), p. 526.

- 74) "Normal-state Transport Properties of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$: Conventional Metallic Picture," J. L. Cohn, S. A. Wolf, V. Selvamanickam, and K. Salama, in *High-Temperature Superconductivity: Physical Properties, Microscopic Theory, and Mechanisms*, edited by J. Ashkenazi, S. Barnes, F. Zuo, G. Vezzoli, and B. Klein, (Plenum, New York, 1992), p. 235.
- 75) "Growth and Characterization of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_{4-y}$ and $\text{Bi}_{2+x}\text{Sr}_{2-z}\text{CuO}_4$ Crystals," M. S. Osofsky, J. L. Cohn, W. L. Lechter, E. F. Skelton, S. Qadri, and V. M. Browning, in *High-Temperature Superconductors: Fundamental Properties and Novel Materials Processing*, Mat. Res. Soc. Symp. Proc. **169**, (1990).
- 76) "Structural and Superconducting Properties of Periodic and Quasiperiodic Nb-Ta Superlattices," C. Uher, J. L. Cohn, J.J. Lin, F. J. Lamelas, H. He, and R. Clarke, Materials Research Society Symposium, Tokyo, June 1988.
- 77) "Transport Properties and Superconductivity in Hydrogenated Nb-Ta Superlattices," C. Uher, J. L. Cohn, P. F. Miceli and H. Zabel, in *Metallic Multilayers and Epitaxy*, edited by M. Hong, S. Wolf, and D. C. Gubser, Trans. Metall. Soc., Denver, CO, Feb. 1987, p. 97.
- 78) "Upper Critical Field of Mo-Ni Heterostructures," Ctirad Uher, W. J. Watson, J. L. Cohn, and I. K. Schuller, Mat. Res. Soc. Symp. Proc. **56**, 455 (1986).

Abstracts and Contributed Presentations:

- 1) "Thermoelectric effects in the field-suppressed superconducting state of quasi-one-dimensional $\text{Li}_{0.9}\text{Mo}_6\text{O}_{17}$," Joshua Cohn, Carlos A.M. dos Santos, and John J. Neumeier, Bull. Am. Phys. Soc. **60**, Abstract S22.00002, March 26, 2015, San Antonio, TX.
- 2) "Heat transport in the frustrated spin-ladder compound, BiCu_2PO_6 ," Narayan Prasai, Alwyn Rebello, Joshua L. Cohn, Sueli H. Masunaga, and John J. Neumeier, Bull. Am. Phys. Soc. **60**, Abstract: M31.00001, March 26, 2015, San Antonio, TX.
- 3) "Anisotropic transport in single-crystal molybdenum bronze, $\text{Li}_{0.33}\text{MoO}_3$," Saeed Moshfeghyeganeh, Joshua Cohn, and John J. Neumeier, Bull. Am. Phys. Soc. **60**, Abstract L12.00002, March 26, 2015, San Antonio, TX.
- 4) "Thin-film growth of the quasi-one-dimensional metal $\text{Li}_{0.9}\text{Mo}_6\text{O}_{17}$," Alexandra Cote, Saeed Moshfeghyeganeh, Joshua Cohn, and John J. Neumeier, Bull. Am. Phys. Soc. **60**, Abstract F8.00011, March 26, 2015, San Antonio, TX.
- 5) "Large transverse thermoelectric effects in single crystals of the quasi-one-dimensional metal $\text{Li}_{0.9}\text{Mo}_6\text{O}_{17}$," Saeed Moshfeghyeganeh, Joshua Cohn, Carlos A.M. dos Santos, and John J. Neumeier, Bull. Am. Phys. Soc. **59**, Abstract F34.00009, March 3-7, 2014, Denver, CO.
- 6) "Extreme Seebeck Anisotropy in the quasi-one-dimensional metal $\text{Li}_{0.9}\text{Mo}_6\text{O}_{17}$," Bull. Am. Phys. Soc. **59**, Joshua Cohn, Saeed Moshfeghyeganeh, Carlos A.M. dos Santos, and John J. Neumeier, Abstract F34.00011, March 3-7, 2014, Denver, CO.

- 7) "Thermal transport and spin-phonon coupling in the one-dimensional antiferromagnetic spin chain compound CuSb_2O_6 ," Narayan Prasai, Joshua Cohn, Alwyn Rebello, Michael Smith, and John J. Neumeier, Bull. Am. Phys. Soc. **59**, Abstract F7.00007, March 3-7, 2014, Denver, CO.
- 8) "Inter-chain transport in the quasi-one-dimensional metal, $\text{Li}_{0.9}\text{Mo}_6\text{O}_{17}$," Joshua Cohn, Benjamin D. White, Carlos A.M. dos Santos, and John J. Neumeier, Bull. Am. Phys. Soc. **58**, Abstract A22.00007, March 1822, 2013, Baltimore, MD.
- 9) "Heat conduction in the one-dimensional AF spin chain compound CuSb_2O_6 ," Narayan Prasai, Joshua L. Cohn, Michael G. Smith, Alwyn Rebello, and John J. Neumeier, Bull. Am. Phys. Soc. **58**, Abstract U16.00009, March 1822, 2013, Baltimore, MD.
- 10) "Strain-controlled band engineering and Self-doping in Ultrathin LaNiO_3 films," X. Liu, E.J. Moon, J.M. Rondinelli, N. Prasai, B.A. Gray, M. Kareev, J. Chakhalian, and J.L. Cohn, Bull. Am. Phys. Soc. **58**, Abstract Y20.00011, March 1822, 2013, Baltimore, MD.
- 11) "Giant Bipolar Nernst Effect in the Quasi-One-Dimensional Metal, $\text{Li}_{0.9}\text{Mo}_6\text{O}_{17}$," Joshua L. Cohn, Benjamin D. White, Carlos A. M. dos Santos, and John J. Neumeier, Bull. Am. Phys. Soc. **57**, Abstract H173.00011, Feb. 27Mar. 2, 2012, Boston, MA.
- 12) "Thermal Transport in CuSb_2O_6 single crystals," Narayan Prasai, Joshua L. Cohn, Michael G. Smith, Alwyn Rebello, John J. Neumeier, Bull. Am. Phys. Soc. **57**, Abstract L13.00005, Feb. 27Mar. 2, 2012, Boston, MA.
- 13) "Strain-modulated asymmetric orbital-lattice interactions in correlated oxide heterostructures," J. Chakhalian, J. Rondinelli, Jian Liu, B. Gray, M. Kareev, E.J. Moon, J. Cohn, M. Varela, S.G. Altendorf, F. Strigari, B. Dabrowski, L.H. Tjeng, P.J. Ryan, J.W. Freeland, Bull. Am. Phys. Soc. **56**, Abstract B34.00001, Mar. 21-25, 2011, Dallas, TX.
- 14) "Strain-modified thermopower of ultrathin LaNiO_3 films," Narayan Prasai, Joshua Cohn, Eun Ju Moon, Jian Liu, Michael Kareev, Benjamin Gray, Jak Chakhalian, James Rondinelli, Bull. Am. Phys. Soc. **56**, Abstract P34.00008, Mar. 21-25, 2011, Dallas, TX.
- 15) "Thermal transport in the Quasi-one-dimensional Luttinger liquid candidate, $\text{Li}_{0.9}\text{Mo}_6\text{O}_{17}$," J. L. Cohn, C. A. M. dos Santos, M. S. da Luz, and J. J. Neumeier, 2010 International Conference on Strongly Correlated Electron Systems (SCES 2010), June 27-July 2, 2010, Santa Fe, NM.
- 16) "Thermopower of $[\text{LaNiO}_3/\text{LaAlO}_3]$ Superlattices," J. L. Cohn, N. Prasai, M. Kareev, Jian Liu, B. Gray, V. Kunets, J. Chakhalian, J. Freeland Bull. Am. Phys. Soc. **55**, Abstract T37.00010, March 15 - 19, 2010, Portland, Oregon.
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