List Of 2013 Reports

ID#	Title, First Author, and Category	Status
306	**Title:** EDMR via Spin Dependent Variable Range Hopping **First Author:** Cochrane, C.J., Cal Tech and Penn State University, corey.cochrane@gmail.com **PI:** Lenahan, P.M., Penn State University, Engineering Science and Mechanics, pmlesm.psu.edu **Category:** Other Condensed Matter **Facility:** EMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** **Yes** **Director's Recommendation:** **Yes, definitely** **Director's Comments:** None	Edited
206	**Title:** Possible Broken Valley-Degeneracy in Anisotropic Dirac Fermions of $SrMnBi_2$ **First Author:** Jo, Y.J., Kyungpook National University, joyj121@gmail.com **PI:** Jo, Y.J., Kyungpook National University, joyj121@gmail.com **Category:** Other Condensed Matter **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation:** **Yes** **Director's Comments:** None	Edited
167	**Title:** Enhanced Exchange Interactions in Diluted Magnetic Organic Semiconductor Alloys **First Author:** Rawat, N., University of Vermont, Material Science Program, nrawat@uvm.edu **PI:** Furis, M., University of Vermont, Physics and the Material Science Program, madalina.furis@uvm.edu **Category:** Other Condensed Matter **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation:** **Yes** **Director's Comments:** None	Edited
72	**Title:** Field-Effect Transistors Based on Few-Layered WSe_2 Displaying Room Temperature Hole-Mobilities Comparable to p-Doped Si **First Author:** Pradhan, N.R., National High Magnetic Field Lab, pradhan@magnet.fsu.edu **PI:** Balicas, L., National High Magnetic Field Lab, balicas@magnet.fsu.edu **Category:** Other Condensed Matter **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Submitted to** Nature Nanotechnology **Sign. Achievement:** **Yes** **Director's Recommendation:** **Yes** **Director's Comments:** None	Edited
76	**Title:** Decoherence of Aharonov-Bohm Excitons in Type-II Quantum Dots **First Author:** Kuskovsky, I.L., Queens College of CUNY, Igor.Kuskovsky@qc.cuny.edu **PI:** Kuskovsky, I.L., Queens College of CUNY, Igor.Kuskovsky@qc.cuny.edu **Category:** Other Condensed Matter **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** **Yes** **Director's Recommendation:** **Yes** **Director's Comments:** None	Edited
107	**Title:** Spin Orbit Coupling in Two Dimensional Materials **First Author:** Neal, A.T., Purdue University, Electrical and Computer Engineering and Birck Nanotechnology Center, neala@purdue.edu **PI:** Ye, P.D., Purdue University, Electrical and Computer Engineering and Birck Nanotechnology Center, yep@purdue.edu **Category:** Other Condensed Matter **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Published in** ACS Nano vol. 7, iss. 8, pg. 7077 **Sign. Achievement:** No **Director's Recommendation:** **No** **Director's Comments:** None	Edited
127	**Title:** Mottness-Induced Healing In Strongly Correlated Superconductors **First Author:** Tang, S., FSU, tshao@magnet.fsu.edu **PI:** Dobrosavljevic, V., FSU, Maglab, vlad@magnet.fsu.edu **Category:** Other Condensed Matter **Facility:** CMT/E **UCGP:** No **VSP:** No **Submitted to** Phys. Rev. Lett.	Edited

	Sign. Achievement: No **Director's Recommendation: No** **Director's Comments:** None	
134	**Title:** Non-Gaussian Spatial Correlations Dramatically Weaken Localization **First Author:** Javan Mard , H., FSU, NHMFL, Physics, hossein@magnet.fsu.edu **PI:** Dobrosavljevic, V., FSU,NHMFL, Physics, vlad@magnet.fsu.edu **Category:** Other Condensed Matter **Facility:** CMT/E **UCGP:** No **VSP:** No **Submitted to** Phys. Rev. Lett. **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
73	**Title:** Intrinsic Carrier Mobility of Multi-Layered MoS_2 Field-Effect Transistors on SiO_2 **First Author:** Pradhan, N.R., National High Magnetic Field Lab, pradhan@magnet.fsu.edu **PI:** Balicas, L., National High Magnetic Field Lab, balicas@magnet.fsu.edu **Category:** Other Condensed Matter **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Published in** Appl. Phys. Lett. 102, 123105 **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Edited
3	**Title:** Magnetization of Rare Earth Kagome Systems in Pulsed Fields **First Author:** Hoch, M.J.R., NHMFL, hoch@magnet.fsu.edu **PI:** Hoch, M.J.R., NHMFL, hoch@magnet.fsu.edu **Category:** Other Condensed Matter **Facility:** Pulsed Field Facility at LANL **UCGP: Yes VSP: Yes Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
24	**Title:** Oxide-Interface-Based Quantum Wires **First Author:** Ron, A.R., Tel Aviv University, Physics, aalonron@yahoo.com **PI:** Dagan, Y.D., Tel Aviv University, Physics, yoram.dagan@gmail.com **Category:** Other Condensed Matter **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
54	**Title:** High Field Magneto-Optical Studies of Liquid Crystals and Complex Fluids **First Author:** Gleeson, J.T., Kent State University, Physics, jgleeson@kent.edu **PI:** Gleeson, J.T., Kent State University, Physics, jgleeson@kent.edu **Category:** Other Condensed Matter **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Submitted to** Phys. Rev. Lett. **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
170	**Title:** Effective Cluster Typical Medium Theory for Diagonal Anderson Disorder Model in one and Two-Dimensions **First Author:** Ekuma, C., Louisiana State University, Physics & Astronomy, cekuma1@lsu.edu **PI:** Ekuma, C., Louisiana State University, Physics & Astronomy, cekuma1@lsu.edu **Category:** Other Condensed Matter **Facility:** CMT/E **UCGP:** No **VSP:** No **Accepted by** J. Phys. -Condens. Mat. **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
178	**Title:** Shubnikov-de Haas Oscillations in $LaAlO_3/SrTiO_3$ Heterointerfaces to Determine a Possible 2D to 3D Conductivity Crossover **First Author:** Damasco, J., University of Illinois at Urbana-Champaign, Physics, jeffdamasco@gmail.com **PI:** Mason, N., University of Illinois at Urbana-Champaign, Physics, nadya@illinois.edu **Category:** Other Condensed Matter **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No**	Edited

	Director's Comments: None	
180	**Title:** Investigation of Magnetic Polaron Dynamics in the Magnetic Spinel $FeCr_2S_4$ in High Magnetic Fields **First Author:** Kiswandhi, A., FSU, NHMFL, Physics, kiswandhi@magnet.fsu.edu **PI:** Zhou, H.D., University of Tennessee Knoxville, NHMFL, Physics, hzhou10@utk.edu **Category:** Other Condensed Matter **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
260	**Title:** Magnetoresistance of Al-Cu-Co Quasicrystal **First Author:** Shulyatev, D., "MISIS", Moscow, Russia **PI:** Shulyatev, D., "MISIS", Moscow, Russia **Category:** Other Condensed Matter **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
404	**Title:** Light Mass in Chromium from 0.3-0.8 GPa **First Author:** Coniglio, W.A., NHMFL, coniglio@magnet.fsu.edu **PI:** Tozer, S.W., NHMFL, tozer@magnet.fsu.edu **Category:** Other Condensed Matter **Facility:** Pulsed Field Facility at LANL **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
406	**Title:** Fermi Surface and Magnetoresistance of High Purity Uranium Single Crystals **First Author:** Coniglio, W.A., NHMFL, coniglio@magnet.fsu.edu **PI:** Tozer, S.W., NHMFL, tozer@magnet.fsu.edu **Category:** Other Condensed Matter **Facility:** Pulsed Field Facility at LANL **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
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