List Of 2012 Reports

ID#	Title, First Author, and Category	Status
83	**Title:** Exploration of Novel Magnetism in Interfacial Strongly Correlated Materials **First Author:** Lawson, B.J., University of Michigan, Physics, bjlawson@umich.edu **PI:** Li, L., University of Michigan, Physics, luli@umich.edu **Category:** Topological Insulator and Oxide Interfaces **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Published in** Phys. Rev. Lett. 109, 226406 **Sign. Achievement:** Yes **Director's Recommendation:** Yes, definitely **Director's Comments:** Minor text edits	Edited
404	**Title:** Quantum Oscillations of Surface States in $Bi_{0.91}Sb_{0.09}$ (111) **First Author:** Qu, D., Lawrence Livermore National lab, qu2@llnl.gov **PI:** Qu, D., Lawrence Livermore National lab, qu2@llnl.gov **Category:** Topological Insulator and Oxide Interfaces **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** Yes **Director's Recommendation:** Yes, definitely **Director's Comments:** None	Edited
408	**Title:** Tuning the Quantum Oscillations of Dirac Surface Electrons in a Topological Insulator by Ionic Liquid Gating **First Author:** Xiong, J., Princeton University, Physics, xiong@princeton.edu **PI:** Ong, N.P., Princeton University, Physics, npo@princeton.edu **Category:** Topological Insulator and Oxide Interfaces **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Submitted to** Phys. Rev. Lett. **Sign. Achievement:** Yes **Director's Recommendation:** Yes, definitely **Director's Comments:** None	Edited
4	**Title:** Quantum Oscillations from a 2D Electron Gas at a Mott/band Insulator Interface **First Author:** Moetakef, P., University of California, Santa Barbara, Materials Department, pouya@mrl.ucsb.edu **PI:** Stemmer, S., University of California, Santa Barbara, Materials Department, stemmer@mrl.ucsb.edu **Category:** Topological Insulator and Oxide Interfaces **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Published in** Appl. Phys. Lett. 101/15/151604 **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** This area is getting more focus by the user community over the past year and the results presented in this report are quite good.	Edited
166	**Title:** Investigation of Magnetic-field Effect on Topological Insulators Surface States **First Author:** He, L.H., University of California, Los Angeles, Electrical Engineering, liang.heliang@gmail.com **PI:** Wang, K.W., University of California, Los Angeles, Electrical Engineering, wang@ee.ucla.edu **Category:** Topological Insulator and Oxide Interfaces **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Submitted to** Nature Physics **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** Syntax corrections made	Edited
260	**Title:** Transport Study on MBE-grown Topological Insulator Thin Films **First Author:** Liu, M., Tsinghua University **PI:** Wang, Y., Tsinghua University, yayuwang@mail.tsinghua.edu.cn **Category:** Topological Insulator and Oxide Interfaces **Facility:** Pulsed Field Facility at LANL **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited

286	**Title:** Magneto-resistance Up to 60 Tesla in Topological Insulator Bi_2Te_3 Thin Films **First Author:** Zhang, S.X., LANL-CINT, sxzhang@indiana.edu **PI:** Picraux, S.T., LANL-CINT, picraux@lanl.gov **Category:** Topological Insulator and Oxide Interfaces **Facility:** Pulsed Field Facility at LANL **UCGP:** No **VSP:** No **Published in** Appl. Phys. Lett. 101, 202403 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
337	**Title:** Electron Paramagnetic Resonance Characterization of Cr-doped Bi_2Se_3 Topological Insulators **First Author:** Wang, Z., UCLA, EE, wzhxyan@gmail.com **PI:** Wang, K.L., UCLA, EE, wang@ee.ucla.edu **Category:** Topological Insulator and Oxide Interfaces **Facility:** EMR Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
16	**Title:** Magneto-optical Spectroscopy of Topological Insulators Bi_2Te_3 and Bi_2Te_2Se **First Author:** Reijnders, A.A., University of Toronto, Physics, reijnder@physics.utoronto.ca **PI:** Burch, K.S., University of Toronto, Physics, kburch@physics.utoronto.ca **Category:** Topological Insulator and Oxide Interfaces **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
27	**Title:** Possible Topological Insulating State in $Bi_{1-x}As_x$: Magneto-optical study **First Author:** Dordevic, S.V., The University of Akron, Departmnet of Physics, dsasa@uakron.edu **PI:** Dordevic, S.V., The University of Akron, Departmnet of Physics, dsasa@uakron.edu **Category:** Topological Insulator and Oxide Interfaces **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
144	**Title:** Quantum Transport in Nanostructures at the Interface of $LaAlO_3/SrTiO_3$ **First Author:** Veazey, J.P., University of Pittsburgh, Physics & Astronomy, josh.veazey@gmail.com **PI:** Levy, J., University of Pittsburgh, Physics & Astronomy, jlevy@pitt.edu **Category:** Topological Insulator and Oxide Interfaces **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Submitted to** Physical Review X **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
415	**Title:** The Search for the Fractional Quantum Hall State in the 3D Topological Insulator HgTe **First Author:** Stier, A.V., Johns Hopkins University, Dept. of Physics and Astronomy, **PI:** Armitage, N.P., Johns Hopkins University, Dept. of Physics and Astronomy, npa@pha.jhu.edu **Category:** Topological Insulator and Oxide Interfaces **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
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