List Of 2013 Reports

ID#	Title, First Author, and Category	Status
105	**Title:** Hofstadter's Butterfly in Moiré Superlattices **First Author:** Dean, C.R., City College of New York, Physics, cory.dean@gmail.com **PI:** Kim, P., Columbia University, Physics, pkim2015@columbia.edu **Category:** Graphene **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Published in** Nature Vol. 497, pp. 598–602 **Sign. Achievement: Yes** **Director's Recommendation: Yes, definitely** **Director's Comments:** None	Edited
200	**Title:** Realizing a Quantum Spin Hall State in Monolayer Graphene **First Author:** Young, A.F.Y., MIT, Physics, afy@mit.edu **PI:** Jarillo-Herrero, P.J.H., MIT, Physics, pjarillo@mit.edu **Category:** Graphene **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Accepted by** Nature in press **Sign. Achievement: Yes** **Director's Recommendation: Yes, definitely** **Director's Comments:** None	Edited
209	**Title:** Massive Dirac Fermions and Hofstadter Butterfly in a Graphene-hBN Moiré Superlattice **First Author:** Hunt, B., MIT, Physics, benhunt@mit.edu **PI:** Ashoori, R.C., MIT, Physics, ashoori@mit.edu **Category:** Graphene **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Published in** Science Vol. 340 no. 6139 pp. 1427-1430 **Sign. Achievement: Yes** **Director's Recommendation: Yes, definitely** **Director's Comments:** None	Edited
141	**Title:** New Fractional Quantum Hall States in Graphene **First Author:** Amet, F., Stanford University, Applied Physics, amet@stanford.edu **PI:** Goldhaber-Gordon, D., Stanford, Physics, goldhaber-gordon@stanford.edu **Category:** Graphene **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
29	**Title:** Magneto-Optical Study of Graphene and Bilayer Graphene **First Author:** Chen, Z., NHMFL, zchen@magnet.fsu.edu **PI:** Li, Z, NHMFL, zli@magnet.fsu.edu **Category:** Graphene **Facility:** DC Field Facility **UCGP: Yes** **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: Yes** **Director's Comments:** None	Edited
30	**Title:** IR Study of Magneto-Plasmons in Grapheme in the Ultra-Quantum Regime **First Author:** Yan, H., IBM, hgyan2135@gmail.com **PI:** Avouris, P., IBM, avouris@us.ibm.com **Category:** Graphene **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Published in** Nano Letters Nano Lett. 12, 3766 (2012). **Sign. Achievement: Yes** **Director's Recommendation: Yes** **Director's Comments:** None	Edited
49	**Title:** Magnetoplasmons in Quasi-Neutral Epitaxial Graphene Nanoribbons **First Author:** Poumirol, J.M., NHMFL, poumirol@magnet.fsu.edu **PI:** Jiang, Z., Georgia Institute of Technology, School of Physics, zhigang.jiang@physics.gatech.edu **Category:** Graphene **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Published in** Phys. Rev. Lett. 110/24/246803 **Sign. Achievement: Yes** **Director's Recommendation: Yes** **Director's Comments:** None	Edited
	Title: Pseudo-Spin Winding Number in Hydrogenated Graphene	

60	**First Author:** Bennaceur, K., McGill University, Physics, keyanb@physics.mcgill.ca **PI:** Gervais, G., McGill University, Physics, gervais@physics.mcgill.ca **Category:** Graphene **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
79	**Title:** Magneto-Optical Spectroscopy of Graphene on Boron Nitride Substrate **First Author:** Wang, F.W., UC Berkeley, Physics, fengwang76@berkeley.edu **PI:** Wang, F.W., UC Berkeley, Physics, fengwang76@berkeley.edu **Category:** Graphene **Facility:** DC Field Facility **UCGP: Yes** **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Edited
165	**Title:** Cooling of Hot-Carriers with Landau Levels in Graphene **First Author:** Aivazian, G., University of Washington, Physics, aivazian@uw.edu **PI:** Xu, X., University of Washington, Physics and Material Science and Engineering, xuxd@uw.edu **Category:** Graphene **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
112	**Title:** Magnetoconductance Crossover in Thermally Reduced Multi Layer Graphene Oxide **First Author:** Baek, S.J., Seoul National University, sjwhite@phya.snu.ac.kr **PI:** Park, Y.W., Seoul National University, ywpark@phya.snu.ac.kr **Category:** Graphene **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
213	**Title:** The Quantum Hall Effect Near the Dirac Point in Hybrid Graphene **First Author:** Cadden-Zimansky, P.C.Z., Bard College, Physics, paulcz@bard.edu **PI:** Cadden-Zimansky, P.C.Z., Bard College, Physics, paulcz@bard.edu **Category:** Graphene **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
232	**Title:** Gate Controlled Magnetophonon Resonance in Graphene **First Author:** Poumirol, J.M., NHMFL, poumirol@magnet.fsu.edu **PI:** Smirnov, D., NHMFL, smirnov@magnet.fsu.edu **Category:** Graphene **Facility:** DC Field Facility **UCGP: Yes** **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
241	**Title:** Giant Interaction-Induced Gap in Dual-Gated ABC-Stacked Trilayer Grapehene **First Author:** Lee, Y., University of California, Riverside, yongjin.lee@email.ucr.edu **PI:** Lau, C.N., University of California, Riverside, Physics, lau@physics.ucr.edu **Category:** Graphene **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
339	**Title:** Microwave Measurements of Graphene in BN **First Author:** Moon, B.H., NHMFL, ibhmoon@gmail.com **PI:** Engel, L.W., NHMFL, engel@magnet.fsu.edu **Category:** Graphene **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time	Edited

	Sign. Achievement: No **Director's Recommendation: No** **Director's Comments:** None	
361	**Title:** Characterization of Water/Gas Separation and Energy Generation Membrane Materials by Solid-State NMR Spectroscopy **First Author:** Wi, S., NHMFL, sungsool@magnet.fsu.edu **PI:** Lee, C.H., Dankook University, Rep. of Korea, Energy Engineering Department, chlee@dankook.ac.kr **Category:** Graphene **Facility:** NMR 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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