List Of 2016 Reports

ID#	Title, First Author, and Category	Status
279	**Title:** Probing the Influence of Dielectric Environment on Excitons in Monolayer WSe2: Insight from High Magnetic Fields **First Author:** Stier, AV, NHMFL-LANL, crooker@lanl.gov **PI:** Crooker, SA, NHMFL-LANL, crooker@lanl.gov **Category:** Semiconductors **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 65 T **UCGP:** No **VSP:** No **Published in** Nano Letters v16, p7054 **Sign. Achievement:** **Yes** **Director's Recommendation:** **Yes** **Director's Comments:** None	Edited
318	**Title:** Exciton Bohr Radii in the Bulk Ternary Alloy MoxW1-xSe2 **First Author:** Tongay, S., Arizona State University, crooker@lanl.gov **PI:** Tongay, S., Arizona State University, crooker@lanl.gov **Category:** Semiconductors **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 65 T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
319	**Title:** Effect of Screening by Atomically Thin Layers on Excitons in Monolayer WS2 **First Author:** Stier, AV, NHMFL-LANL, crooker@lanl.gov **PI:** Crooker, SA, NHMFL-LANL, crooker@lanl.gov **Category:** Semiconductors **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 65 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
329	**Title:** Spin/Valley Dynamics of Resident Electrons and Holes in Gated Monolayer WSe2 **First Author:** Dey, P, NHMFL-LANL, crooker@lanl.gov **PI:** Crooker, SA, NHMFL-LANL, crooker@lanl.gov **Category:** Semiconductors **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 1 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
338	**Title:** Magneto-Photoluminescence Measurements of Bi Clusters in GaAs1-xBix **First Author:** Alberi, K, NREL, kirstin.alberi@nrel.gov **PI:** Mascarenhas, A, NREL, crooker@lanl.gov **Category:** Semiconductors **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 65 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
468	**Title:** Effect of Growth-Direction Wave Function Asymmetry on Wigner Solid Pinning Modes in Quantum Wells **First Author:** Curtis, JC, NHMFL/FSU, engel@magnet.fsu.edu **PI:** Engel, L W, NHMFL FSU, engel@magnet.fsu.edu **Category:** Semiconductors **Facility:** DC Field Facility **Highest Measured Field:** 18 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
32	**Title:** Composite Fermion States around 2D Hole Landau Level Filling Factor 3/2 in Tilted Magnetic Fields **First Author:** Zhang, Po, PeKingUniversity, International Center for Quantum Materials, zhangpo@pku.edu.cn	Edited

	PI: Du, R.-R., Rice University, Physics & Astronomy, rrd@rice.edu **Category:** Semiconductors **Facility:** DC Field Facility **Highest Measured Field:** 18 T **UCGP:** No **VSP:** No **Submitted to** Phys. Rev. B **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	
54	**Title:** Frequency Dependent EPR Measurements of the Mg-acceptor in GaN **First Author:** Zvanut, M E, University of Alabama at Birminigham, Physics, mezvanut@uab.edu **PI:** Zvanut, M E, University of Alabama at Birminigham, Physics, mezvanut@uab.edu **Category:** Semiconductors **Facility:** EMR Facility **Highest Measured Field:** 2.5 T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
81	**Title:** High Field Magneto-Photoluminescence Studies of Organic and Hybrid Organic/Inorganic Perovskite Semiconductors with Tunable Spin-Orbit Coupling **First Author:** Vardeny, Z, University of Utah, Physics & Astronomy, valy_vardeny@yahoo.com **PI:** Vardeny, Z, University of Utah, Physics & Astronomy, valy_vardeny@yahoo.com **Category:** Semiconductors **Facility:** DC Field Facility **Highest Measured Field:** 17 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
82	**Title:** Quantum oscillation study of Dirac semimetal candidate RhSb3 in Pulsed Field **First Author:** Wang, K, CNAM, Physics Department, University of Maryland College Park, CNAM, Physics Department, University of Maryland College Park, wangkf@umd.edu **PI:** Paglione, J., CNAM, Physics Department, University of Maryland College Park, CNAM, Physics Department, University of Maryland College Park, paglione@umd.edu **Category:** Semiconductors **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 65 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
118	**Title:** Quantum Hall Ferromagnetic Transition in a Ge 2D Hole System **First Author:** Lu, TL, Sandia National Labs, tlu@sandia.gov **PI:** Lu, TL, Sandia National Labs, tlu@sandia.gov **Category:** Semiconductors **Facility:** DC Field Facility **Highest Measured Field:** 18 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
139	**Title:** A comparative study of Cyclotron decay times in 2-Dimensional Electron Gas systems **First Author:** Barman, B, The University of Alabama at Birmingham, Physics, bbarman@uab.edu **PI:** Hilton, DJ, The University of Alabama at Birmingham , Physics, dhilton@uab.edu **Category:** Semiconductors **Facility:** DC Field Facility **Highest Measured Field:** 5 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
157	**Title:** Landau Level Spectroscopy of Massive Dirac Fermions in ZrTe5 **First Author:** Jiang, Y, Georgia Institute of Technology, Physics, yjiang46@gatech.edu **PI:** Jiang, Z, Georgia Institute of Technology, Physics, zhigang.jiang@physics.gatech.edu **Category:** Semiconductors **Facility:** DC Field Facility **Highest Measured Field:** 17.5 T **UCGP:** No **VSP:** Yes **Publication Status:** Manuscript in preparation **Sign. Achievement:** No	Edited

	Director's Recommendation: No **Director's Comments:** None	
220	**Title:** Multi-frequency Electrically Detected Magnetic Resonance Spectroscopy of PEDOT:PSS **First Author:** Malissa, H, University of Utah, Department of Physics and Astronomy, hans.malissa@utah.edu **PI:** Boehme, C, University of Utah, Department of Physics and Astronomy, boehme@physics.utah.edu **Category:** Semiconductors **Facility:** EMR Facility **Highest Measured Field:** 12 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
278	**Title:** Exciton Magnetic Polarons in (CdMn)Se Colloidal Nanocrystals **First Author:** Rice, WD, NHMFL-LANL, crooker@lanl.gov **PI:** Crooker, SA, NHMFL-LANL, crooker@lanl.gov **Category:** Semiconductors **Facility:** Pulsed Field Facility at LANL **Highest Measured Field:** 7 T **UCGP:** No **VSP:** No **Submitted to** Nano Letters **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
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