List Of 2013 Reports

ID#	Title, First Author, and Category	Status
56	**Title:** Quantum Oscillations of the Metallic Triangular-Lattice Antiferromagnet $PdCrO_2$ **First Author:** Kim, J.S., Depatement of Physics, POSTECH, KOREA, Depatement of Physics, js.kim@postech.ac.kr **PI:** Kim, J.S., Depatement of Physics, POSTECH, KOREA, Depatement of Physics, js.kim@postech.ac.kr **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **UCGP:** No **VSP:** Yes **Published in** Phys. Rev. Lett. 111/17/176405 **Sign. Achievement:** Yes **Director's Recommendation:** Yes, definitely **Director's Comments:** None	Edited
324	**Title:** Giant Magnetic Hysteresis in Sr_3NiIrO_6 **First Author:** Singleton, J., NHMFL-PFF (LANL), jsingle@lanl.gov **PI:** Zapf, V.S., NHMFL-PFF (LANL), vzapf@lanl.gov **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **UCGP:** Yes **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** None	Edited
328	**Title:** Multimodal Nanoprobes to Target Cerebrovascular Amyloid in the Alzheimer's Brain **First Author:** Jaruszewski, K.M., University of Minnesota, Pharmaceutics, jaruszewski@gmail.com **PI:** Kandimalla, K.K., University of Minnesota, Pharmaceutics, kandimalla2010@gmail.com **Category:** Magnetism and Magnetic Materials **Facility:** NMR Facility **UCGP:** Yes **VSP:** No **Published in** Biomaterials 35(6):1967-76. 2014. **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** None	Edited
189	**Title:** Pressure and Magnetic Field Induced Fermi Surface Reconstruction in Chromium **First Author:** Stillwell, R.L., NHMFL, stillwell@magnet.fsu.edu **PI:** Tozer, S.W., NHMFL, tozer@magnet.fsu.edu **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation:** Yes **Director's Comments:** None	Edited
386	**Title:** EPR Studies of the Anisotropy of a Mononuclear Terbium Single-Molecule Magnet **First Author:** Komijani, D., FSU, Physics, dk12@my.fsu.edu **PI:** Coronado, E., University of Valencia, Chemistry, shill@magnet.fsu.edu **Category:** Magnetism and Magnetic Materials **Facility:** EMR Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation:** Yes **Director's Comments:** None	Edited
314	**Title:** Calorimetric Determination of Magnetic-Field-Induced Phase Transitions in $Ba_3CoSb_2O_9$ **First Author:** Fortune, N.A., Smith College, Physics, nfortune@smith.edu **PI:** Fortune, N.A., Smith College, Physics, nfortune@smith.edu **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **UCGP:** Yes **VSP:** Yes **Publication Status:** Manuscript in preparation **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** None	Edited
25	**Title:** Magnetic Ground States of $Yb_2B_2O_7$ Sstudied by AC Susceptibility **First Author:** Zhou, H.D., University of Tennessee, NHMFL, hzhou10@utk.edu **PI:** Zhou, H.D., University of Tennessee, NHMFL, hzhou10@utk.edu **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **UCGP:** No **VSP:** Yes **Submitted to** Phys. Rev. B **Sign. Achievement:** Yes **Director's Recommendation:** Yes	Edited

	Director's Comments: It is interesting work but is at very low (or no) fields.	
43	**Title:** Magnetic Susceptibility Measurements of $Yb_2Ti_2O_7$ along the [100] direction. **First Author:** Yin, L., Unuiersity of Florida, Physics, yin@phys.ufl.edu **PI:** Sun, X.F., Chinese Academy of Science, Physics, yin@phys.ufl.edu **Category:** Magnetism and Magnetic Materials **Facility:** High B/T Facility at UF **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
318	**Title:** Pulsed Field Magnetization Measurements of $CaFe_4As_3$ **First Author:** Mun, E.D., Ames Laboratory, richflavor@gmail.com **PI:** Ronning, F., LANL, fronning@lanl.gov **Category:** Magnetism and Magnetic Materials **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
319	**Title:** Evolution of Ferroelectricity in $CuCrO_2$ up to 100 T **First Author:** Mun, E.D., Ames Laboratory, richflavor@gmail.com **PI:** Zapf, V.S., NHMFL-PFF (LANL), vzapf@lanl.gov **Category:** Magnetism and Magnetic Materials **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
320	**Title:** Pulsed Field Magnetization of MgV_2O_4 **First Author:** Mun, E.D., Ames Laboratory, richflavor@gmail.com **PI:** Zapf, V.S., LANL, vzapf@lanl.gov **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **UCGP:** No **VSP:** No **Published in** Phys. Rev. Lett. **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Edited
321	**Title:** Large Magnetic Hysteresis in Eu_2NiIrO_6 **First Author:** Kim, J.W., NHMFL-PFF (LANL), jwkim@lanl.gov **PI:** Cheong, S.W., Rutgers University, sangc@physics.rutgers.edu **Category:** Magnetism and Magnetic Materials **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
322	**Title:** Colossal Magnetoelectric Coupling in Ni_3TeO_6 under High Magnetic Fields **First Author:** Kim, J.W., NHMFL-PFF (LANL), jwkim@lanl.gov **PI:** Zapf, V.S., NHMFL-PFF (LANL), vzapf@lanl.gov **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **UCGP: Yes** **VSP:** No **Accepted by** Nature Communications **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Edited
323	**Title:** Magnetic Properties of Pu-H_2 **First Author:** Kim, J.W., NHMFL-PFF (LANL), jwkim@lanl.gov **PI:** Mielke, C., NHMFL-PFF (LANL), cmielke@lanl.gov **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Edited
	Title: Thermodynamics of S = 1/2 Quantum Antiferromagnets **First Author:** Han, T.-H., University of Chicago, Physics, tianheng@alum.mit.edu	

394	**PI:** Han, T.-H., University of Chicago, Physics, tianheng@alum.mit.edu **Category:** Magnetism and Magnetic Materials **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
399	**Title:** High Field Magnetization Study of Sr_3CuIrO_6 **First Author:** Kim, J.-W., Los Alamos National Laboratory, jwkim@lanl.gov **PI:** Hill, J., Brookhaven National Laboratory, hill@bnl.gov **Category:** Magnetism and Magnetic Materials **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
400	**Title:** Magnetization Study of 1D Spin Chain Compound NH_4uCl_2COOH **First Author:** Nenert, G., ILL, nenert@ill.eu **PI:** Nenert, G., ILL, nenert@ill.eu **Category:** Magnetism and Magnetic Materials **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
401	**Title:** Magnetic Field-Induced Transient Steps In The Magnetic, Ferroelectric, And Structural Properties Of A Frustrated Spin Chain Multiferroic $Ca_3(Co,Mn)O_6$ **First Author:** Kim, J.-W., Los Alamos National Laboratory, jwkim@lanl.gov **PI:** Cheong, S.-W., Rutgers University, sangc@physics.rutgers.edu **Category:** Magnetism and Magnetic Materials **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
412	**Title:** Magnetic Properties of Mn-Containing Aurivillius Oxides for Multiferroic Applications **First Author:** Misture, S., Arthur University, misture@alfred.edu **PI:** Misture, S., Arthur University, misture@alfred.edu **Category:** Magnetism and Magnetic Materials **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
417	**Title:** Investigation of the High-Field Magnetic Phase Diagram of $URu_{2-x}Fe_xSi_2$ **First Author:** Huang, K., University of California, San Diego, Department of Physics, khuang@lanl.gov **PI:** Janoschek, M., Los Alamos National Laboratory, Condensed Matter and Magnet Science group, mjanoschek@lanl.gov **Category:** Magnetism and Magnetic Materials **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
424	**Title:** Magnetic Anisotropy of a Three-Dimensional Honeycomb Iridate **First Author:** Modic, K.A., LANL, kmodic@lanl.gov **PI:** Analytis, J.G., UC Berkley, Physics, analytis@berkeley.edu **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **UCGP:** No **VSP: Yes** **Submitted to** Nature Materials **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
	Title: High Field Magnetic Response of Solid Solution Titanomagnetites ($Fe_{3-x}Ti_xO_4$, $1 \geq x \geq 0$) **First Author:** Schoenthal, W.M., Carnegie Mellon University, Materials Science and Engineering, wms@andrew.cmu.edu **PI:** McHenry, M.E., Carnegie Mellon University, Materials Science and Engineering,	

425	mm7g@andrew.cmu.edu **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **UCGP:** No **VSP:** Yes **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
430	**Title:** Thermal Hall Effect and Quantum Oscillations of Spin-Liquids: Detecting Spinon Related Fermi Surface **First Author:** Yamashita, M., University of Tokyo, Institute for Solid State Physics, my@issp.u-tokyo.ac.jp **PI:** Matsuda, Y., Kyoto University, Physics, matsuda@scphys.kyoto-u.ac.jp **Category:** Magnetism and Magnetic Materials **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
434	**Title:** A New Spin-Anisotropic Iridate **First Author:** Analytis, J.G., University of california Berkeley, University of california Berkeley, analytis@berkeley.edu **PI:** Analytis, J., University of california Berkeley, University of california Berkeley, analytis@berkeley.edu **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **UCGP:** No **VSP:** Yes **Submitted to** Nature Materials Not Available yet, but it is in review **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
440	**Title:** Magnetization of $Dy_2Ti_2O_7$ **First Author:** Aoyama, C.P., UF, Physics, rockyama@phys.ufl.edu **PI:** Yin, L., UF, Physics, yin@phys.ufl.edu **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **UCGP:** Yes **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
447	**Title:** Dielectric Study of a New Phase Transition in an Organic Triangular Antiferromagnet TNN in High Magnetic Fields **First Author:** Hosokoshi, Y., Osaka Prefecture University, Department of Physical Science, yhoso@p.s.osakafu-u.ac.jp **PI:** Hosokoshi, Y., Osaka Prefecture University, Department of Physical Science, yhoso@p.s.osakafu-u.ac.jp **Category:** Magnetism and Magnetic Materials **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
450	**Title:** Possible Spin-State Transitions In A Cobalt(II) Coordination Complex **First Author:** Manson, J.L., Eastern Washington University, Chemistry, jmanson@ewu.edu **PI:** Manson, J.L., Eastern Washington University, Chemistry, jmanson@ewu.edu **Category:** Magnetism and Magnetic Materials **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
190	**Title:** Multiferroic Properties of Spin-1 Triangular Lattice Heisenberg Antiferromagnet $Ca_3NiNb_2O_9$ **First Author:** Lee, M., NHMFL, FSU, Physics, mlee@magnet.fsu.edu **PI:** Choi, E.S., NHMFL, echoi@magnet.fsu.edu **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **UCGP:** Yes **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
	Title: Multiferroicity of Spin-1 Triangular Lattice Antiferromagnet $Sr_3NiNb_2O_9$	

191	**First Author:** Lee, M., NHMFL, FSU, Physics, mlee@magnet.fsu.edu **PI:** Choi, E.S., NHMFL, echoi@magnet.fsu.edu **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **UCGP:** Yes **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
192	**Title:** Dielectric Relaxation Behavior of $ZnCr_2O_4$ in the Magnetically Ordered State **First Author:** Lee, M., NHMFL, FSU, Physics, mlee@magnet.fsu.edu **PI:** Choi, E.S., NHMFL, echoi@magnet.fsu.edu **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **UCGP:** Yes **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
194	**Title:** Effect of Disorder on the Magnetic Ground States of the Frustrated Spin-Dimer System $Ba_3(Mn_{1-x}V_x)_2O_8$ **First Author:** Hristov, A.T., Stanford University, Physics, hristov@stanford.edu **PI:** Fisher, I.R., Stanford University, Applied Physics, irfisher@stanford.edu **Category:** Magnetism and Magnetic Materials **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
203	**Title:** Quantum Oscillations in $EuFe_2As_2$ Single Crystals **First Author:** Rosa, P., UNICAMP, ferrari@ifi.unicamp.br **PI:** Pagliuso, P.G., UNICAMP, pagliuso@ifi.unicamp.br **Category:** Magnetism and Magnetic Materials **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
215	**Title:** Fermi Surfaces in the Antiferromagnetic Phase of GdSi **First Author:** Feng, Y., Argonne National Lab, Advanced Photon Source, yejun@aps.anl.gov **PI:** Feng, Y., Argonne National Lab, Advanced Photon Source, yejun@aps.anl.gov **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Published in** Phys. Rev. B 88, 134404 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
239	**Title:** Structural Phase Transitions in Bilayer Iridates **First Author:** Reijnders, A.A., University of Toronto, Physics, anjanreijnders@gmail.com **PI:** Burch, K.S., Boston College, Physics, ks.burch@bc.edu **Category:** Magnetism and Magnetic Materials **Facility:** EMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
245	**Title:** Electron Spin Resonance Study of the Geometrically Frustrated $Ba_3CuSb_2O_9$ **First Author:** Zorko, A., Jožef Stefan Institute, Ljubljana, Slovenia, andrej.zorko@ijs.si **PI:** Zorko, A., Jožef Stefan Institute, Ljubljana, Slovenia, andrej.zorko@ijs.si **Category:** Magnetism and Magnetic Materials **Facility:** EMR Facility **UCGP:** No **VSP:** Yes **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
	Title: Magnetoelectric Coupling in Frustrated Rare Earth Indium Oxides **First Author:** Musfeldt, J.L., University of Tennessee, Chemistry, musfeldt@utk.edu **PI:** Musfeldt, J.L., University of Tennessee, Chemistry, musfeldt@utk.edu **Category:** Magnetism and Magnetic Materials	

282	**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
340	**Title:** Direct observation of the charge ordering transition in the Quasi-1D S=1/2 (TMTTF)2AsF6 using high field EPR **First Author:** Bertaina, S.B., IM2NP - CNRS, Nanosciences, sylvain.bertaina@im2np.Fr **PI:** Bertaina, S.B., IM2NP - CNRS, Nanosciences, sylvain.bertaina@im2np.Fr **Category:** Magnetism and Magnetic Materials **Facility:** EMR Facility **UCGP:** No **VSP: Yes** **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
346	**Title:** Pressure Tuning of the Anisotropy Barrier in Fe_8 SMMs Probed Using High-Frequency EPR **First Author:** Thirunavukkuarasu, K., NHMFL, komalavalli@magnet.fsu.edu **PI:** Hill, S., NHMFL and FSU, Physics, shill@magnet.fsu.edu **Category:** Magnetism and Magnetic Materials **Facility:** EMR Facility **UCGP: Yes** **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
360	**Title:** Magnetization & Magnetostriction Measurements of the S = ½ One-Dimensional Heisenberg Antiferromagnet Delta-$TeVO_4$ **First Author:** Weickert, F., LANL, Los Alamos, MPA-CMMS, weickert.ph@gmail.com **PI:** Weickert, F., LANL, Los Alamos, MPA-CMMS, weickert.ph@gmail.com **Category:** Magnetism and Magnetic Materials **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
362	**Title:** Multiple Magnetic Transitions in the Quasi-One Dimensional Heisenberg Magnet $NaVPO_5$ **First Author:** Weickert, F., LANL, Los Alamos, MPA-CMMS, weickert.ph@gmail.com **PI:** Weickert, F., LANL, Los Alamos, MPA-CMMS, weickert.ph@gmail.com **Category:** Magnetism and Magnetic Materials **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
363	**Title:** High-Field Magnetization of Zero-Dimensional Quantum Magnets **First Author:** Topping, C., University of Edinburgh and NHMFL-PFF, Chemistry, s0943300@sms.ed.ac.uk **PI:** Brechin, E., University of Edinburgh, Chemistry, ebrechin@staffmail.ed.ac.uk **Category:** Magnetism and Magnetic Materials **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
365	**Title:** Magnetism Of Mixed-Valent Fe_8 Clusters, $[Fe_8(\mu_4\text{-}O)_4(\mu\text{-}4\text{-}Cl\text{-}pz)_{12}X_4]$–. **First Author:** Raptis, R.G., Florida International University, Chemistry, rraptis@fiu.edu **PI:** Raptis, R.G., Florida International University, Chemistry, rraptis@fiu.edu **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **UCGP:** No **VSP:** No **Submitted to** Chem. Mater. **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Edited
367	**Title:** Determining the Fermi Surface of Colossal Magnetoresistive Materials **First Author:** Goddard, P.A., Warwick University, UK and Oxford University, UK, Physics, p.goddard@physics.ox.ac.uk **PI:** Goddard, P.A., Warwick University, UK and Oxford University, UK, Physics, p.goddard@physics.ox.ac.uk **Category:** Magnetism and Magnetic Materials	Edited

	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	
369	**Title:** Dynamics of the Magnetic States in Sr_3NiIrO_6 **First Author:** Topping, C.V., University of Edinburgh, Chemistry, s0943300@sms.ed.ac.uk **PI:** Cheong, S.W., Rutgers University, PHYSICS, sangc@physics.rutgers.edu **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Edited
371	**Title:** Precision High-Field Magnetometry of Na_2IrO_3 **First Author:** Topping, C.V., NHMFL PFF and Edinburgh University, Chemistry, s0943300@sms.ed.ac.uk] **PI:** Goddard, P.A., Warwick and Oxford Universities, Physics, p.goddard@warwick.ac.uk **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Edited
373	**Title:** Magnetocapacitance as a Sensitive Probe of Magnetostructural Changes in $NiCr_2O_2$ **First Author:** Sparks, T.D., University of Utah, Salt Lake City, UT 84112, Materials Science and Engineering Department, sparks@eng.utah.edu **PI:** Seshadri, R., University of California, Santa Barbara, CA, 93106 USA, Materials Department and Materials Research Laboratory, seshadri@mrl.ucsb.edu **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **UCGP:** No **VSP: Yes** **Accepted by** Phys. Rev. B **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Edited
374	**Title:** Double Magnetic Field-Induced Phase Transition in the Spin ½ Alternating Chain System $AgVOAsO_4$ **First Author:** Weickert, F., LANL, MPA-CMMS, weickert.ph@gmail.com **PI:** Weickert, F., LANL, MPA-CMMS, weickert.ph@gmail.com **Category:** Magnetism and Magnetic Materials **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
377	**Title:** High-Field Multiferroic Phase Diagram of Ni_3TeO_6 **First Author:** Jaime, M.J., NHMFL-PFF, mjaime@lanl.gov **PI:** Cheong, S.-W., Rutgers Center for Emergent Materials, sangc@physics.rutgers.edu **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **UCGP: Yes** **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
381	**Title:** Pulsed Field Magnetization of $Co_{10}Ge_3O_{16}$ **First Author:** Barton, P.T.B., Materials Research Laboratory, UCSB, Materials Engineering, pbarton@mrl.ucsb.edu **PI:** Seshadri, R.S., Materials Research Laboratory, UCSB, Materials Engineering, seshadri@mrl.ucsb.edu **Category:** Magnetism and Magnetic Materials **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
	Title: Lattice-Spin Correlations in the Itinerant Ferro-Magnet $Sr_4Ru_3O_{10}$ **First Author:** Weickert, F., LANL, MPA-CMMS, weickert.ph@lanl.gov **PI:** Weickert, F., LANL, MPA-CMMS, weickert.ph@lanl.gov **Category:** Magnetism and Magnetic Materials	

382	**Facility:** Pulsed Field Facility at LANL **UCGP:** Yes **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
383	**Title:** Pulsed Field Magnetization of $NiCr_2O_4$ **First Author:** Sparks, T.D.S., Materials Research Laboratory, UCSB, sparks@mrl.ucsb.edu **PI:** Seshadri, R.S., Materials Research Laboratory, UCSB, Materials Engineering, seshadri@mrl.ucsb.edu **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **UCGP:** No **VSP:** No **Accepted by** Phys. Rev. B **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
385	**Title:** Transversal Magnetostriction To 60 Tesla In Frustrated Magnet $Srcu_2(BO_3)_2$ **First Author:** Jaime, M.J., LANL, mjaime@lanl.gov **PI:** Gaulin, B.D.G., McMaster University, gaulin@mcmaster.edu **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **UCGP:** Yes **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
64	**Title:** Study of Magnetic Ordering in $AlFe_{2-x}Mn_xB_2$ by Mössbauer Spectroscopy **First Author:** Chai, P., Florida State University, Department of Chemistry and Biochemistry, pchai@chem.fsu.edu **PI:** Shatruk, M., Florida State University, Department of Chemistry and Biochemistry, shatruk@chem.fsu.edu **Category:** Magnetism and Magnetic Materials **Facility:** EMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
69	**Title:** Field-Controlled Soliton-Soliton Interactions in the Frustrated Low-Dimensional Quantum Magnet $BiCu_2\ PO_2$ **First Author:** Pikulski , M., ETH Zurich, Solid State Physics, marekp@student.ethz.ch **PI:** Ott, H.-R., ETH Zurich, Solid State Physics, ott@phys.ethz.ch **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
122	**Title:** Spin Freezing of the 2D Stacked Triangular Antiferromagnet $Ba_3RuTi_2O_9$ **First Author:** Do, S.H., Chung-Ang University, sunghwando@cau.ac.kr **PI:** Choi, K.-Y., Chung-Ang University, kchoi@cau.ac.kr **Category:** Magnetism and Magnetic Materials **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
123	**Title:** Spin dynamics of the A-site ordered breathing pyrochlore compounds $LiGaCr_4\ O_8$ and $LiInCr_4O_8$ **First Author:** Do, S.H., Chung-Ang University, sunghwando@cau.ac.kr **PI:** Choi, K.-Y., Chung-Ang University, kchoi@cau.ac.kr **Category:** Magnetism and Magnetic Materials **Facility:** EMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
	Title: Search for the Evidence of Orbital Order in Double Perovskite Material - Ba_2NaOsO_6 **First Author:** Lu, L.L., Brown University, Physics, lu_lu@brown.edu **PI:** Mitrovic, V.M., Brown University, Physics, vemi@brown.edu **Category:** Magnetism and Magnetic Materials	

128	**Facility:** CMT/E **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
135	**Title:** Magnetic Field Induced Charge and Spin Gaps in the Organic Conductor $Per_2[Pt(mnt)_2]$ **First Author:** Winter, L.E., Florida State University/National High Magnetic Field Laboratory, Physics, lew09d@my.fsu.edu **PI:** Brooks, J.S., Florida State University/National High Magnetic Field Laboratory, Physics, brooks@magnet.fsu.edu **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Published in** Europhys. Lett. 103/37008 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
137	**Title:** Thermodynamics of an S=1/2 Heisenberg Antiferromagnet **First Author:** Hong, T., Oak Ridge National Laboratory, Quantum Condensed Matter Division, hongt@ornl.gov **PI:** Hong, T., Oak Ridge National Laboratory, Quantum Condensed Matter Division, hongt@ornl.gov **Category:** Magnetism and Magnetic Materials **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
152	**Title:** High Field Response of a Polymeric Chiral Spin Chain **First Author:** Goddard, P.A., University of Warwick, Physics, p.goddard@warwick.ac.uk **PI:** Goddard, P.A., University of Warwick, Physics, p.goddard@warwick.ac.uk **Category:** Magnetism and Magnetic Materials **Facility:** Pulsed Field Facility at LANL **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Edited
154	**Title:** Evolution of Magnetism in a Series of Pressure-Induced Jahn-Teller Axis Switches **First Author:** Ghannadzadeh, S., University of Oxford, Department of Physics, s.ghannadzadeh1@physics.ox.ac.uk **PI:** Goddard, P.A., University of Oxford, Department of Physics, p.goddard@physics.ox.ac.uk **Category:** Magnetism and Magnetic Materials **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
155	**Title:** High-Field ESR Studies of Azurite **First Author:** Zvyagin, S., Dresden High Magnetic Field Laboratory, HZDR, s.zvyagin@hzdr.de **PI:** Zvyagin, S., Dresden High Magnetic Field Laboratory, HZDR, s.zvyagin@hzdr.de **Category:** Magnetism and Magnetic Materials **Facility:** EMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
158	**Title:** The Millikelvin Temperature Dependence of the Magnetization of an S = 1 Linear-Chain Antiferromagnet with D/J ≈ 1 **First Author:** Xia, J.S., NHMFL-UF, Physics, jsxia@phys.ufl.edu **PI:** Manson, J.L., Eastern Washington University, Chemistry and Biochemistry, jmanson@ewu.edu **Category:** Magnetism and Magnetic Materials **Facility:** High B/T Facility at UF **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
	Title: High Pressure Measurements of Quantized Magnetization Plateaus in Pure and Doped Shastry-Sutherland Materials **First Author:** Haravifard, S., The University of Chicago & Argonne National Laboratory, James Franck Institute, haravifard@uchicago.edu	

164	**PI:** Rosenbaum, T. F., The University of Chicago, James Franck Institute, tfr@uchicago.edu **Category:** Magnetism and Magnetic Materials **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
168	**Title:** EPR Investigation of the Role of Spin-Orbit Coupling/Zero-field Splitting on the Properties of Vandium (III) Compounds **First Author:** Thirunavukkuarasu, K., NHMFL, komalavalli@magnet.fsu.edu **PI:** Dunbar, K., Texas A&M University, Chem, dunbar@chem.tamu.edu **Category:** Magnetism and Magnetic Materials **Facility:** EMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
183	**Title:** Hard Magnetic Properties Observed in Bulk $Mn_{1-x}Ga_x$ **First Author:** Brown, D.R., National High Magnetic Field Laboratory , MS&T, dbrown@magnet.fsu.edu **PI:** Han, K., National High Magnetic Field Laboratory , MS&T, han@magnet.fsu.edu **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **UCGP:** No **VSP:** No **Accepted by** J. Appl. Phys. **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
188	**Title:** A Series of Magnetic Phase Transitions of Spin 5/2 Triangular Lattice Antiferromagnet $Ba_3MnNb_2O_9$ **First Author:** Lee, M., NHMFL, FSU, Physics, mlee@magnet.fsu.edu **PI:** Choi, E.S., NHMFL, echoi@magnet.fsu.edu **Category:** Magnetism and Magnetic Materials **Facility:** DC Field Facility **UCGP: Yes** **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
Total Reports: 67		